

SUBSURFACE ASSESSMENT AND REMEDIAL ACTION REPORT

Koz Development Property
Seattle, Washington

March 26, 2024

Prepared for

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Subsurface Assessment and Remedial Action Report
Koz Development Property
312 West Republican Street
Seattle, Washington

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Date: March 26, 2024
Project No.: 2251001.010
File path: P:\2251\001\R\Remedial Action Report\Text\Koz Development Subsurface Assessment and Remedial Action
Report_3.26.2024.docx
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LIST OF ABBREVIATIONS AND ACRONYMS

µg/L	micrograms per liter
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
DRO	diesel-range organics
EPA	US Environmental Protection Agency
F&B	Friedman & Bruya, Inc.
Farallon	Farallon Consulting, Inc.
ft	feet; foot
GRO	gasoline-range organics
Koz Development	Koz Development, LLC
Landau	Landau Associates, Inc.
MGI	Migizi Group, Inc.
mg/kg	milligrams per kilogram
MRLs	method reporting limits
NWTPH-Dx	Northwest diesel-range total petroleum hydrocarbon extended
NWTPH-Gx	Northwest gasoline-range total petroleum hydrocarbon extended
ORO	oil-range organics
PAHs	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenyls
SoundEarth	SoundEarth Strategies, Inc.
UST	underground storage tank
Wyser	Wyser Construction, Inc.

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1.0 INTRODUCTION AND BACKGROUND

Landau Associates, Inc. (Landau) has prepared this report to present the results of a recent subsurface assessment and remedial action at the Koz Development, LLC (Koz Development) property located at 312 West Republican Street in Seattle, Washington (Subject Property). The location of the Subject Property is shown on Figure 1. The objectives of the subsurface assessment were 1) to delineate the vertical extents of the petroleum hydrocarbon-impacted soil near the former heating oil underground storage tanks (USTs) at the Subject Property and 2) to investigate the groundwater conditions beneath the property. The objective of the remedial action was to remove the soil and groundwater beneath the Subject Property that contained petroleum hydrocarbon concentrations greater than the Model Toxics Control Act (MTCA) Method A cleanup levels.

The Subject Property is a rectangular parcel (King County Parcel No. 199020-0224) located in the Lower Queen Anne neighborhood of Seattle, Washington. A two-story mixed-use building was constructed at the Subject Property in 1928. The building was initially occupied by a bakery through at least 1950. Queen City Floor Company occupied the building from at least 1955 through 1966. From at least 1970 through 1990, the building was occupied by Diers Bindery. From at least 1993 through 2022, a plant store, a hair replacement specialist, and residential tenants occupied the building. An oil-burning furnace was listed on the tax records for the building in at least 1965 (SoundEarth Strategies, Inc. [SoundEarth] 2018), and a 500-gallon heating oil UST was encountered at the northwestern portion of the property (SoundEarth 2019).

The building was demolished in 2023 and the Subject Property is currently vacant. The unpaved ground surface of the Subject Property primarily consists of soil. Koz Development, the current property owner, plans to construct a multi-story residential building on the property in 2024.

2.0 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTION

From 2019 through 2023, several subsurface investigations and a soil remedial action have been conducted at the Subject Property. The results of the previous investigation and remediation work are summarized below. The soil sample analytical results are presented in Table 1 (petroleum hydrocarbons and benzene, toluene, ethylbenzene, and total xylenes [BTEX]) and Table 2 (polycyclic aromatic hydrocarbons [PAHs]), and the groundwater sample analytical results are presented in Table 3.

2.1 2019 and 2020 Investigations

In 2019, SoundEarth conducted a subsurface investigation at the northwest corner of the Subject Property to assess if there was any evidence of petroleum releases from the 500-gallon heating oil UST. A total of eight soil borings (designated P05 through P11 and P13) were drilled and sampled near the tank by using hydraulic push-probe methods, and one soil boring (designated PG-1) was drilled and sampled in the alley to the west of the Subject Property by using hollow-stem auger methods. Borings P05 through P11 and P13 met refusal at depths that ranged from approximately 6 to 12.5 feet (ft) below ground surface (bgs), and PG-1 was drilled to a depth of approximately 41.5 ft bgs. PG-1 was completed as a groundwater monitoring well (screened from approximately 10 to 30 ft bgs) and SoundEarth collected a groundwater sample from the well. The approximate locations of the soil borings and monitoring well are shown on Figure 2.

During drilling of each soil boring, at least one selected soil sample was collected for laboratory analysis of diesel-range organics (DRO), oil-range organics (ORO), gasoline-range organics (GRO), and BTEX. The soil samples from boring P08 were also analyzed for chlorinated volatile organic compounds. The analytical results showed that soil samples collected from borings P07, P08, and P10 contained concentrations of DRO, GRO, benzene, ethylbenzene, and/or total xylenes that exceeded the MTCA Method A cleanup levels (SoundEarth 2019). The groundwater sample from monitoring well PG-1 was analyzed for DRO, ORO, GRO, and BTEX, and the analytical results showed that the sample contained a DRO concentration that was below the Method A cleanup level.

In 2020, Migizi Group, Inc. (MGI) conducted additional assessment activities near the heating oil UST that consisted of drilling and sampling six soil borings (designated MGI-1, MGI-2, MGI-3, 2180-B1, 2180-B2, and 2180-B3) that met refusal at depths ranging from approximately 7 to 10.5 ft bgs. The approximate locations of the borings are shown on Figure 2. During the drilling of each boring, at least one selected soil sample was collected for laboratory analysis of DRO and ORO. The analytical results showed that the soil samples from the borings did not contain DRO or ORO concentrations greater than either the laboratory's method reporting limits (MRLs) or the MTCA Method A cleanup levels (MGI 2022). MGI collected a groundwater sample from monitoring well PG-1 that was analyzed for DRO and ORO, and the sample contained a DRO concentration that exceeded the Method A cleanup level.

2.2 2021 Tank Removal and Soil Excavation Activities

In January and February 2021, MGI directed the removal of the 500-gallon heating oil UST and the excavation of petroleum hydrocarbon-impacted soil near the tank. The excavation could only extend to a depth of approximately 7.5 feet bgs to maintain the structural integrity of the adjacent alley. During the excavation work, a 1,200-gallon heating oil UST was encountered approximately 4 feet to the east of the 500-gallon tank. Both tanks were removed and a total of 6 soil samples (designated EXL-M-7'3", EXL-W-7'6", EXL-WSW-7'6", EXL-SW-7'6", EXL-NE-6'9", and EXL-E-7') were collected from the final lateral and vertical extents of the excavation of the former 500-gallon UST. The samples were analyzed for DRO, ORO, and GRO, and the analytical results showed that samples EXL-M-7'3", EXL-W-7'6", EXL-WSW-7'6", and EXL-SW-7'6" contained DRO concentrations greater than the MTCA Method A cleanup level (MGI 2022). The other two excavation samples did not contain analyte concentrations greater than the laboratory's MRLs. The locations of the former tanks and the excavation soil samples are shown on Figure 2.

In March 2021, MGI removed petroleum hydrocarbon-impacted soil at the former 1,200-gallon UST area and collected a total of five final sidewall and floor samples (designated UST2-NSW, UST2-ESW, UST2-SSW, UST2-WSW, and UST2-BASE) from the excavation. All the samples were analyzed for DRO, ORO, and GRO, and sample UST2-WSW-12.6 was also analyzed for BTEX and PAHs. The analytical results showed that sample UST2-WSW-12.6 contained concentrations of DRO, GRO, benzene, ethylbenzene, total xylenes, naphthalene, and total naphthalenes greater than the MTCA Method A cleanup levels (MGI 2022). The other excavation samples did not contain analyte concentrations greater than either the laboratory's MRLs or the Method A cleanup levels. During the January through March 2021 excavation activities, a total of 63.66 tons of soil were removed and hauled off-site for disposal. The bottom of the approximate combined area of the tank and soil excavations is shown on Figure 2.

In May 2021, MGI conducted an additional soil assessment that consisted of drilling and sampling eight soil borings (designated 2383-B1, 2383-B3 through 2383-B7, 2383-B10, and 2383-B11) to try to delineate the lateral extents of the remaining petroleum hydrocarbon-impacted soil. The approximate locations of the borings are shown on Figure 2. The borings were advanced to depths ranging from approximately 7 to 12.5 ft bgs. During the drilling of each boring, at least one selected soil sample was collected for laboratory analysis of DRO, ORO, GRO, and BTEX. The selected sample from boring 2383-B1 was also analyzed for naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, and polychlorinated biphenyls (PCBs). The analytical results showed that at least one of the samples from borings 2383-B1, 2383-B3, 2383-B4, and 2383-B5 contained DRO concentrations greater than the MTCA Method A cleanup level (MGI 2022). The results for naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene in sample 2383-B1-10'4" did not exceed their individual cleanup levels, but the total naphthalenes¹ did exceed the MTCA Method A cleanup level. PCBs were not detected in sample 2383-B1-10'4".

¹ Total naphthalene is the sum of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

2.3 2023 Subsurface Soil Investigation

In September and October 2023, Farallon Consulting, Inc. (Farallon) directed the drilling and sampling of six borings (designated FB-01 through FB-06) at the former UST area. The approximate locations of the borings are shown on Figure 2. The borings were advanced to depths ranging from approximately 7.5 to 20 ft bgs. During the drilling of each boring, at least one selected soil sample was collected for laboratory analysis of DRO, ORO, GRO, and BTEX. The analytical results showed that at least one of the samples from all the borings, except FB-04, contained DRO and/or GRO concentrations greater than the MTCA Method A cleanup levels (Farallon 2023).

3.0 LANDAU SUBSURFACE INVESTIGATIONS

In December 2023, Landau conducted a subsurface assessment at the Subject Property to try to meet the objectives described in Section 1.0 of this report. A description of the field activities and the results of the work are presented below.

3.1 Soil Assessment

3.1.1 Excavate and Sample Test Pits

The subsurface assessment included the excavation and sampling of five test pits (designated TP-1 through TP-5) at the former area of the heating oil USTs and to the south of the former tanks. Each of the test pits was approximately 6 ft long and the location of the center of each test pit is shown on Figure 2. At the time of Landau's assessment, the ground surface at the former heating oil UST area sloped steeply downward to the east from the western property line due primarily to the previous soil excavation activities. The ground surface elevations at the test pits ranged from approximately 1 to 4.5 ft below the eastern edge of the neighboring concrete alley.

On December 8, 2023, Wyser Construction, Inc. (Wyser) of Snohomish, Washington, excavated the test pits under the direction of a Landau geologist. Each of the test pits extended to a depth of at least 2 ft below the groundwater table or estimated groundwater table if groundwater was not observed. The test pits extended to depths ranging from approximately 12 to 20.5 ft bgs. Landau field-screened the excavated soil from each test pit for the potential presence of petroleum hydrocarbons by using physical appearance, odors, and volatile organic vapor concentrations (as measured with a photoionization detector [PID]). Based on the field screening results, Landau collected at least one soil sample from each test pit for laboratory analysis. The samples were collected from the area along the sidewall or at the floor of each test pit that exhibited the greatest field evidence of petroleum hydrocarbons. If no evidence of contamination was observed in a test pit, then a sidewall sample was collected at a depth that corresponded to the known depth of contamination at a nearby previous soil boring.

Based on the conditions encountered in the test pits, the shallow soil beneath the northwestern part of the Subject Property typically consists of sand with silt or sand with gravel. The soil within the previous backfilled soil excavation area primarily consists of gravel with sand. At test pits TP-1, TP-2, and TP-4, the soil below the previous backfilled excavation was stained gray due to the presence of petroleum hydrocarbons. Below the backfilled excavation and at the test pits located outside of the previous excavation area, the test pits were excavated straight down to at least 20.5 ft bgs with minimal sidewall sloughing, which indicates that the soil is dense. Groundwater was observed seeping into the test pits at approximately the depth of the bottom of the backfilled UST excavation area at test pits TP-1, TP-2, and TP-4. At TP-2, a thin zone of groundwater seepage was also observed below the backfilled excavation at a depth of approximately 18 ft bgs. TP-3 was the only test pit located outside of the backfilled soil excavation area, and limited groundwater seepage was observed in that test pit at a depth of approximately 11 ft bgs. The soil lithology and field screening results are recorded on the test pit logs in Appendix A.

The selected soil samples from the test pits were submitted to Friedman & Bruya, Inc. (F&B) in Seattle, Washington, for rush (24-hour) analysis of DRO and ORO by Method Northwest diesel-range total petroleum hydrocarbon extended (NWTPH-Dx); GRO by Method Northwest gasoline-range total petroleum hydrocarbon extended (NWTPH-Gx); and BTEX by US Environmental Protection Agency (EPA) Method 8260D. The two samples that contain the greatest DRO concentrations (TP-2-20.5' and TP-4-12') were also analyzed for PAHs by EPA Method 8270E SIM. To evaluate the potential effects of naturally occurring organics in the soil samples on the DRO and ORO concentrations, three of the soil samples (TP-2-13.5', TP-3-13.5', and TP-4-12') were also analyzed for DRO and ORO by Method NWTPH-Dx after silica gel cleanup.

3.1.2 Soil Sample Analytical Results

The analytical results showed that the soil samples collected from TP-1 (at depths of approximately 12 and 19.5 ft bgs), TP-2 (at depths of approximately 13.5 and 20.5 ft bgs), and TP-4 (at a depth of approximately 12 ft bgs) contained DRO concentrations (3,300 to 6,800 milligrams per kilogram [mg/kg]) that exceeded the MTCA Method A cleanup level (2,000 mg/kg). After silica gel cleanup, the DRO concentrations in samples TP-2-13.5' and TP-4-12' (4,200 and 5,700 mg/kg, respectively) still exceeded the Method A cleanup level. All the samples collected from TP-1, TP-2, and TP-4 also contained GRO at concentrations ranging from 150 to 2,600 mg/kg; however, the F&B laboratory reports noted that the chromatographic pattern for each of the samples did not resemble the GRO fuel standard used for quantitation. Since the reported GRO concentrations were primarily due to overlap of DRO on the sample chromatograms, the results were not considered to exceed the Method A cleanup level of 30 mg/kg. The samples collected from TP-1, TP-2, and TP-4 did not contain ORO or BTEX concentrations greater than either the laboratory's MRLs or the Method A cleanup levels.

The soil samples collected from TP-3 (at depths of approximately 13.5 and 19 ft bgs) and TP-5 (at a depth of approximately 6.5 ft bgs) did not contain analyte concentrations greater than the laboratory's MRLs. Both samples that were analyzed for PAHs (TP-2-20.5' and TP-4-12') contained estimated total naphthalenes concentrations (24.2 and 17.2 mg/kg, respectively) that exceeded the MTCA Method A cleanup level (5 mg/kg). The other PAH analytes were not detected in the samples at concentrations greater than the laboratory's MRLs or the Method A or Method B cleanup levels. Method B cleanup levels were only applied if Method A cleanup levels were not established. The soil analytical results are presented in Tables 1 (petroleum hydrocarbons and BTEX) and 2 (PAHs) and copies of the laboratory reports are included in Appendix B.

3.2 Groundwater Assessment

3.2.1 Install Temporary Wells and Collect Groundwater Samples

Landau observed perched groundwater seeping into test pits TP-1, TP-2, TP-3, and TP-4. To assess the groundwater conditions beneath the Subject Property, Wyser installed temporary groundwater monitoring wells in test pits TP-2, TP-3, and TP-4 (the wells were also designated TP-2, TP-3, and TP-4). Since some stormwater flowed into test pit TP-1 during excavation, a temporary well was not installed in that test pit. Each of the wells was constructed with 4-inch-diameter drainpipe that was slotted at the

bottom 5 ft of the pipe. Wyser placed imported pea gravel around the slotted portion of each well and then backfilled the test pit with the excavated material from that test pit.

On December 12, 2023, four days after installation, Landau collected groundwater samples from temporary wells TP-2 and TP-4 and from permanent monitoring well PG-1. Prior to sampling, the depths to groundwater were measured by using a water level indicator. Approximately 3.21 and 3.97 ft of groundwater were present in TP-2 and TP-4, respectively; however, TP-3 was dry at the time of sampling. The depth to groundwater in PG-1 was 15.81 feet below the top of the flush-grade casing.

A peristaltic pump with new tubing was used to purge and sample each of the wells and the intake of the tubing was placed at approximately 2 ft below the groundwater level in each well. During the purging of TP-2 and TP-4, the turbidity of the extracted water was measured. The groundwater samples were collected after the extracted water became clear (turbidity measurement below 10 NTU). The groundwater from PG-1 was purged and sampled by low-flow methods. During the purging of PG-1, the pH, conductivity, temperature, oxidation-reduction (redox) potential, dissolved oxygen, and turbidity of the extracted water were measured approximately every three minutes. The groundwater sample was collected following stabilization of the field parameter measurements. The turbidity measurements of the purge water from TP-2 and TP-4 and the field parameter measurements of the purge water from PG-1 are presented on Landau's Groundwater Sample Collection Forms in Appendix C. The groundwater samples were submitted to F&B for rush (24-hour) analysis of DRO and ORO by Method NWTPH-Dx, GRO by Method NWTPH-Gx, and BTEX and naphthalene by EPA Method 8260D.

3.2.2 Groundwater Sample Analytical Results

The analytical results showed that the groundwater samples collected from temporary wells TP-2 and TP-4 contained DRO concentrations (3,000 and 2,200 micrograms per liter [$\mu\text{g/L}$], respectively) that exceeded the MTCA Method A cleanup level (500 $\mu\text{g/L}$). The sample from TP-2 also contained GRO and benzene concentrations (2,300 and 10 $\mu\text{g/L}$, respectively) that exceeded the Method A cleanup levels (800 and 5 $\mu\text{g/L}$, respectively); however, as with the soil results, the F&B laboratory report noted that the chromatographic pattern for each of the samples did not resemble the GRO fuel standard used for quantitation. The samples from TP-2 and TP-4 did not contain any other analyte concentrations greater than either the laboratory's MRLs or the Method A cleanup levels. The groundwater sample from monitoring well PG-1 contained a DRO concentration (330 $\mu\text{g/L}$) below the Method A cleanup level and all the other analytes were not detected at concentrations greater than the laboratory's MRLs. The groundwater sample analytical results are presented in Table 3, and a copy of the laboratory report is included in Appendix B.

4.0 REMEDIAL ACTION

To remove the soil and groundwater beneath the Subject Property that contained petroleum hydrocarbon concentrations greater than the MTCA Method A cleanup levels, a remedial action was conducted at the Subject Property in January and February 2024. The remedial action consisted of excavation and off-property disposal of the impacted soil. The plan for the remedial action also included the extraction and treatment of the groundwater that collected in the open excavation; however, as described below, groundwater did not enter the excavation. Wyser conducted the soil excavation activities under the direction of a Landau geologist.

4.1 Pre-Excavation Activities

Prior to conducting the excavation activities, the locations of the underground utilities beneath the northwestern part of the Subject Property were identified and marked. Landau personnel created a grid across the northwestern part of the Subject Property that was the basis for the proposed excavation locations and depths, as well as the basis of the confirmation soil sample locations at the lateral and vertical extents of the excavation. The anchor point of the grid was established at the northwest corner of the property as the starting point for the X-axis and Y-axis coordinates of the grid. The Y-axis coordinates were named using letters (starting with "A"), and the X-axis coordinates were named using numbers (starting with "1"). The grid nodes were surveyed at 20-ft intervals (each grid cell covered an area of approximately 400 square ft). Figure 4 shows the initial four grid cells (A1, A2, B1, and B2) established for the excavation and two additional cells (C1 and C2) located further south (see explanation below).

4.2 Install Shoring and Conduct Soil Excavation Activities

To construct the planned building on the Subject Property and to allow for as much soil excavation as possible and still maintain the structural integrity of the alley to the west and the parking lot to the north, McDowell Northwest, Inc. (McDowell), a shoring contractor, installed a soldier pile and lagging shoring wall adjacent to the western and northern property lines. After the piles for the wall were drilled and installed, Wyser excavated the soil between the pilings so that the shoring contractor could install the wood lagging. Landau personnel screened the excavated soil for the potential presence of petroleum hydrocarbons based on appearance, odors, and volatile organic vapor concentrations (as measured with a PID). Where potentially contaminated soil was present near the western shoring wall, the excavation between the piles extended as far west as practicable; between Piles #5 and #10, the excavation proceeded to within 1 ft of the western property line. The area of impacted soil did not extend to the northern shoring wall and the excavation in that area was for the planned building construction and to allow for removal of nearby impacted soil at depths of at least 15 ft bgs. After constructing the wall, McDowell pumped controlled density fill (CDF) behind the lagging to fill the voids where any soil had been excavated. For the south and east sidewalls of the excavation, Wyser maintained a minimum 1:1 slope to ensure the stability of the sidewall.

Away from the shoring walls, the soil excavation was extended laterally and vertically until the field-screening results indicated that the impacted soil had been removed. To confirm the field-screening results, Landau personnel collected discrete confirmation soil samples from the excavation for laboratory analysis, including a discrete floor sample and one or more discrete sidewall samples (depending on the height of the sidewall) from each grid cell. If a sidewall was more than 10 ft tall, then two soil samples were collected (one from the upper half and one from the bottom half of the wall). At the western sidewalls, where the excavation extended to a depth of approximately 23 ft, a third set of confirmation samples were collected from the sidewalls at depths below 20 ft. The sidewall and floor samples were collected from the remaining areas of each grid cell that exhibited the greatest evidence of contamination. If there was no field evidence of contamination within the excavated portion of a grid cell, then the samples were collected at the centers of the sidewalls and floor of the cell. The confirmation soil samples were submitted to F&B for rush (24-hour) analysis of DRO and ORO by Ecology Method NWTPH-Dx; GRO by Ecology Method NWTPH-Gx; BTEX by EPA Method 8260D; and PAHs by EPA Method 8270E.

Observed evidence of petroleum hydrocarbon-impacted soil was present in the area defined as follows:

- **Western extent:** Less than 5 ft from the western property boundary from just south of Pile #5 to just north of Pile #9 (20 ft wide).
- **Northern extent:** Approximately 7 ft of the northern property boundary from Pile #11 to Pile #19.
- **Eastern extent:** Although variable with depth, the contaminated soil extended a maximum of 40 ft east (to between Piles #18 and #19).
- **Southern extent:** At depths of less than 10 ft in Grid Cell B1, contamination extended only as far south as sample B1-SSW-9.5' (see Figure 4), which was between Piles #5 and #6. With greater depth, the contamination was observed to extend approximately 5 ft further south (at sample B1-SSW-15'). Note that for Grid Cell B2, the south sidewall confirmation samples were located considerably further south due to excavation and general grading for construction purposes, and not to remove additional contamination. The soil down to 10 ft was removed before samples could be taken at the edge of the contamination (in line with the shallow confirmation sample collected in Grid Cell B1 (B1-SSW-9.5')). A shallow sidewall sample was collected from cell C2 (C2-SSW-9.0') to verify that the shallow impacted soil in that area had been removed.

Figure 4 shows the final extents and depths of excavation, including beyond the observed area of contamination that was excavated either to facilitate installation of the lagging along the western and northern property boundaries, or as part of general property grading activities (e.g., to the south) prior to future redevelopment.

During the week of February 5th, the depth of the excavation was extended down to approximately 17.5 ft bgs along the west sidewall, which was the maximum depth allowed to maintain the structural integrity of the shoring system before alternative excavation methods were required (i.e., slot trenching). Where necessary to remove deeper impacted soil, the excavation below 17.5 ft deep along the western sidewall was completed using 5-ft-wide trenches between alternating piles (slot trenches) to a depth of 23 ft bgs. Once field screening confirmed the apparent lack of contamination, sidewall and

floor confirmation samples were collected and then the slot trenches were filled with CDF. Slot trenching occurred first at Piles #6 and #8, followed by slot trenching at Piles #7 and #9.

Over the course of the excavation process, Wyser hauled approximately 1,567 tons of petroleum-impacted soil to Waste Management's Seattle transfer facility for subsequent transport to Waste Management's Columbia Ridge Landfill in Arlington, Oregon. Appendix D presents the soil disposal documentation. The excavation was backfilled using clean imported structural fill to approximately 7 ft below grade (base grade for site redevelopment activities). Appendix E provides photographs that document the shoring, excavation, and backfilling activities.

4.3 Excavation Water Management

During the soil excavation activities, groundwater did not accumulate in the open excavation. It appears that the limited groundwater observed during the assessment activities was removed with the excavated soil.

During rainfall events, some stormwater collected in the excavation, and on February 16th, 2024, Marine Vacuum Service (MarVac) pumped approximately 1,500 gallons of water from the excavation into their tanker truck and transported and disposed of the water at their Seattle facility under a King County Industrial Waste permit. Appendix E provides the disposal documentation.

4.4 Compliance Sampling Results

The compliance soil sample results are presented in Tables 1 and 2. Table 1 presents the petroleum hydrocarbons and BTEX results, and Table 2 presents the PAH results. All of the DRO, ORO, and BTEX compliance sampling results were below the Method A cleanup levels. All of the GRO results were below the Method A cleanup level except for sample B1-WSW-16', which was collected along the west wall of the excavation. As with the samples collected during the subsurface assessment, the F&B laboratory report noted that the chromatographic pattern for the sample did not resemble the GRO fuel standard used for quantitation. Given the low BTEX concentration in the sample, and consistent with the results from the subsurface assessment described in Section 3, the GRO result likely represents an overlap of DRO (1,900 mg/kg concentration) on the sample chromatogram. Therefore, the GRO result from B1-WSW-16' (1,200 mg/kg) is not considered an exceedance of the Method A cleanup level (30 mg/kg).

All of the individual PAH, total naphthalenes, and total cPAHs TEQ results were below the applicable MTCA cleanup levels, except for the total naphthalenes result for sample B1-WSW-16'. That result (5.02 mg/kg) was essentially at the MTCA Method A cleanup level of 5.0 mg/kg. It should be noted that the naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations in the sample were below their respective individual MTCA Method A or B cleanup levels. Furthermore, the Method A cleanup level for total naphthalenes is based on protection of groundwater, and the observations during the soil excavation indicate that there is minimal groundwater beneath the northwestern part of the Subject Property.

5.0 CONCLUSIONS

In December 2023, Landau conducted a subsurface assessment at the Subject Property to 1) delineate the vertical extents of the petroleum hydrocarbon-impacted soil near the former heating oil USTs at the property and 2) investigate the groundwater conditions beneath the property. In January and February 2024, a remedial action was conducted to remove the impacted soil and groundwater beneath the Subject Property. Based on the field observations and the sample analytical results from the assessment and remedial action, Landau presents the following conclusions:

- The shallow soil beneath the Subject Property consists primarily of sand with silt or sand with gravel that are densely compacted. The dense soil conditions appear to have limited the lateral and vertical migration of the petroleum product that was previously released at the former heating oil UST area.
- GRO has been detected in soil and groundwater samples at concentrations greater than the MTCA Method A cleanup levels; however, during this assessment, F&B consistently noted in their reports that the chromatographic pattern for each of the samples with detected GRO concentrations did not resemble the GRO fuel standard used for quantitation. Based on the presence of DRO in these samples, it appears that the reported GRO concentrations were primarily due to overlap of DRO on the chromatograms. The sample analytical results from the recent assessment and remedial action indicate that diesel was the only released product from the former heating oil USTs.
- Prior to the remedial action, petroleum hydrocarbon-impacted soil was present at the former heating oil UST area and the estimated area of the impacted soil beneath the Subject Property was approximately 33 feet long by 26 feet wide and occurred at depths ranging from approximately 7 to at least 20.5 ft bgs (see Figure 3).
- Based on the observed groundwater seepage into test pits TP-1, TP-2, and TP-4 and the presence of groundwater in temporary wells TP-2 and TP-4, it appears that shallow groundwater was perched at the bottom part of the coarse-grained backfill of the combined previous soil excavations. There was minimal groundwater in southern test pits TP-3 and TP-5, which should be in the hydraulically downgradient direction of the former USTs based on the topography of the Subject Property area; therefore, it appears that the perched groundwater in the vicinity of the former heating oil USTs only occurred in a localized area. Based on the results of the recent assessment and remedial action activities, there is no laterally continuous groundwater-bearing zone at depths of less than 23 ft bgs beneath the Subject Property area.
- The groundwater sample analytical results from the assessment indicated that the localized groundwater at the former heating oil UST excavation area contained petroleum hydrocarbon concentrations greater than the MTCA Method A cleanup levels. The lateral extents of the impacted groundwater were likely limited based on the perched and discontinuous nature of the shallow groundwater. The December 2023 groundwater sample analytical results from monitoring well PG-1 indicated that the petroleum hydrocarbon concentrations in the groundwater just to the west of the Subject Property are below either the laboratory's MRLs or the Method A cleanup levels.
- The confirmation soil sample analytical results indicate that the soil excavation activities effectively removed the soil contamination associated with the diesel releases from the former heating oil USTs.

- Based on the confirmation soil sample analytical results, the petroleum hydrocarbon-impacted soil was only present beneath the northwest corner of the Subject Property and did not extend beneath the neighboring alley to the west.
- Since groundwater did not collect in the open soil excavation, it appears that the petroleum hydrocarbon-impacted perched groundwater at the former heating oil UST area was removed with the excavated soil.
- Based on the results of the remedial action activities, it appears that the petroleum hydrocarbon-impacted soil and perched groundwater were removed, and additional environmental actions should not be necessary at the Subject Property.

6.0 USE OF THIS REPORT

This Subsurface Assessment and Remedial Action Report has been prepared for the exclusive use of Koz Development, LLC for specific application to the property located at 312 West Republican Street in Seattle, Washington. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of Landau. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau, shall be at the user's sole risk. Landau warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. We make no other warranty, either express or implied.

7.0 REFERENCES

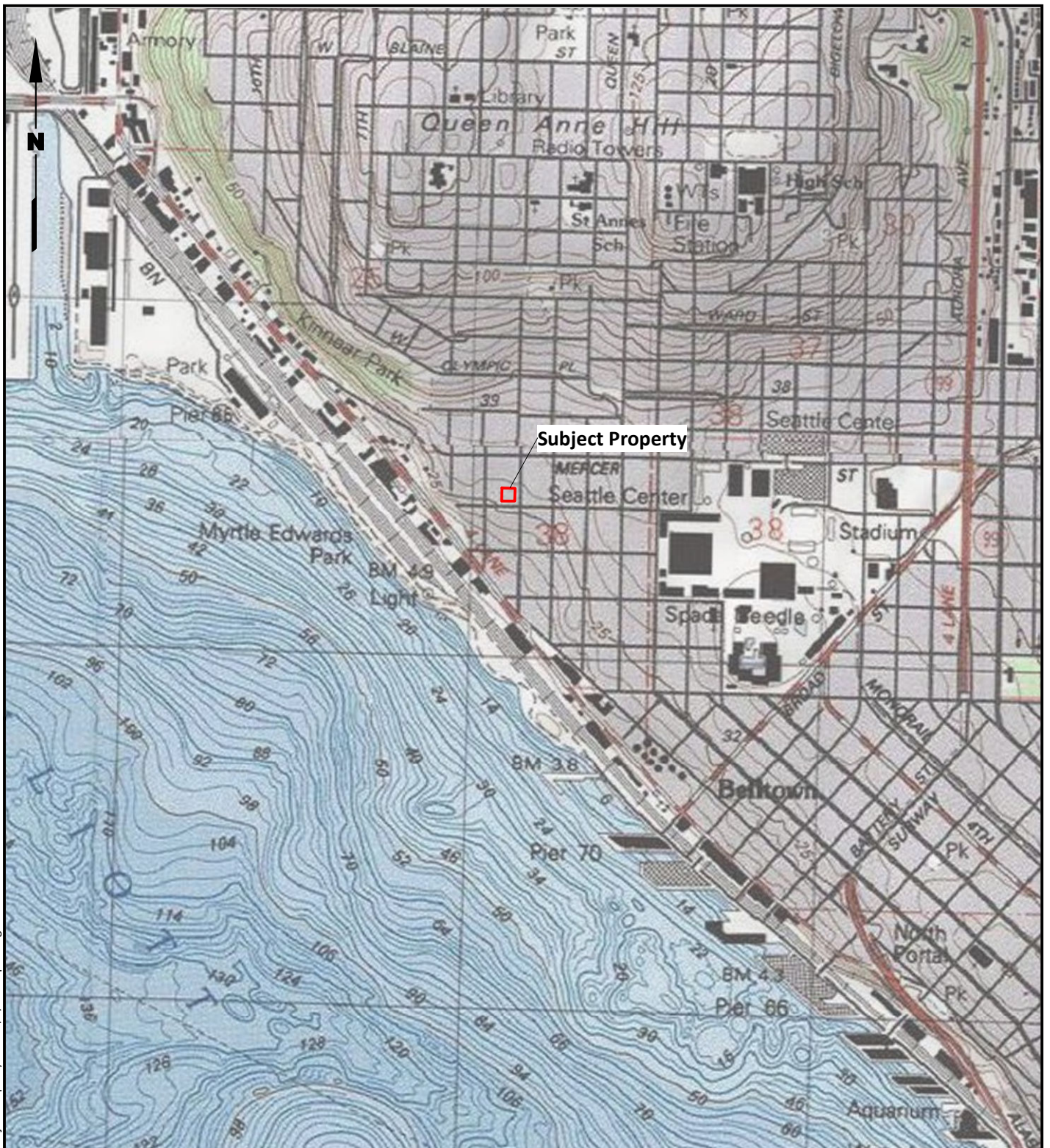
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Migizi Group, Inc. 2022. Remedial Investigation Summary and Scope of Work, 312 West Republican Street, Seattle, Washington. May 18.

SoundEarth Strategies, Inc. 2018. Phase I Environmental Site Assessment, Queen Anne Property, 505 3rd Avenue West and 312 West Republican Street, Seattle, Washington, 98119. December 7.

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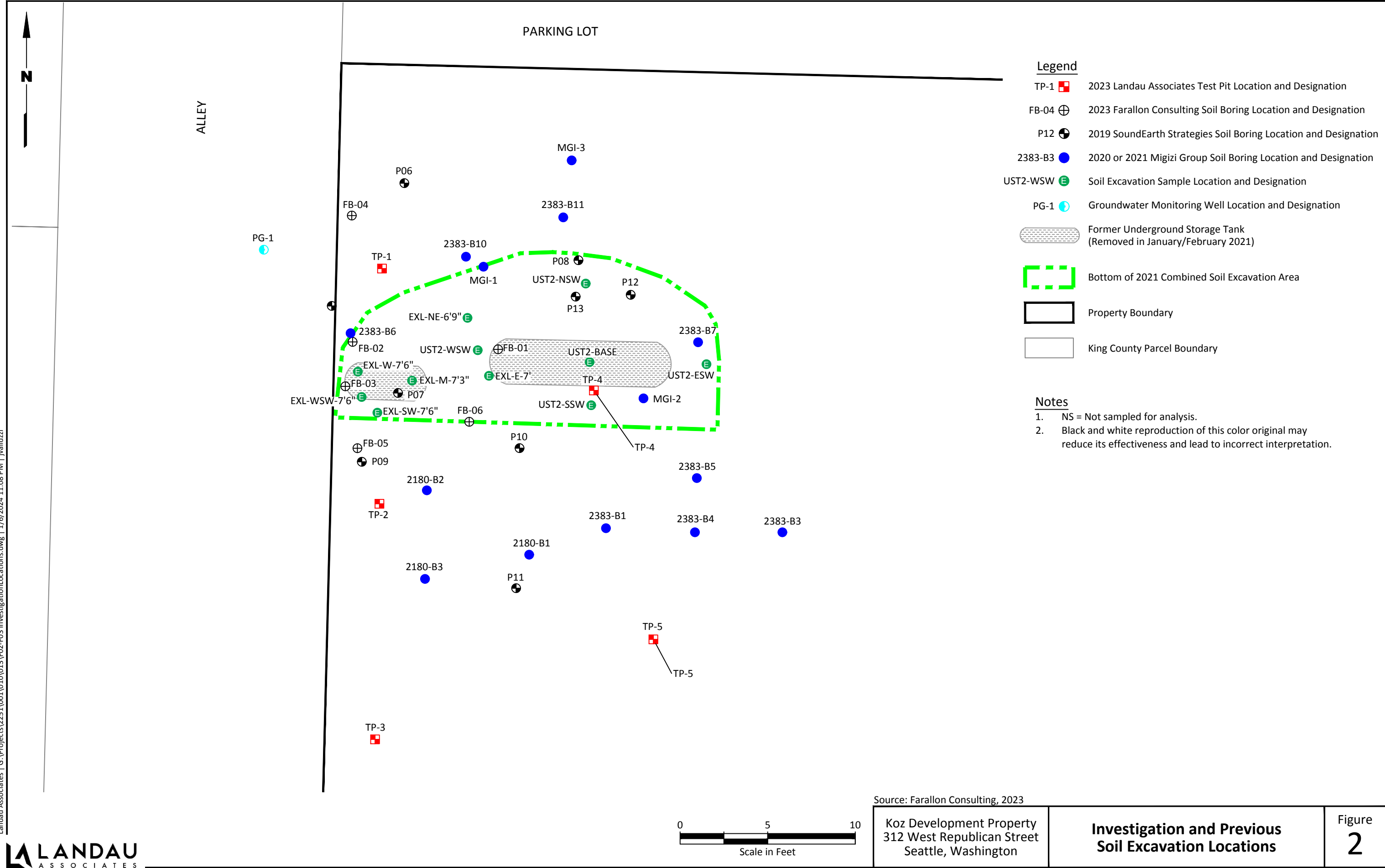


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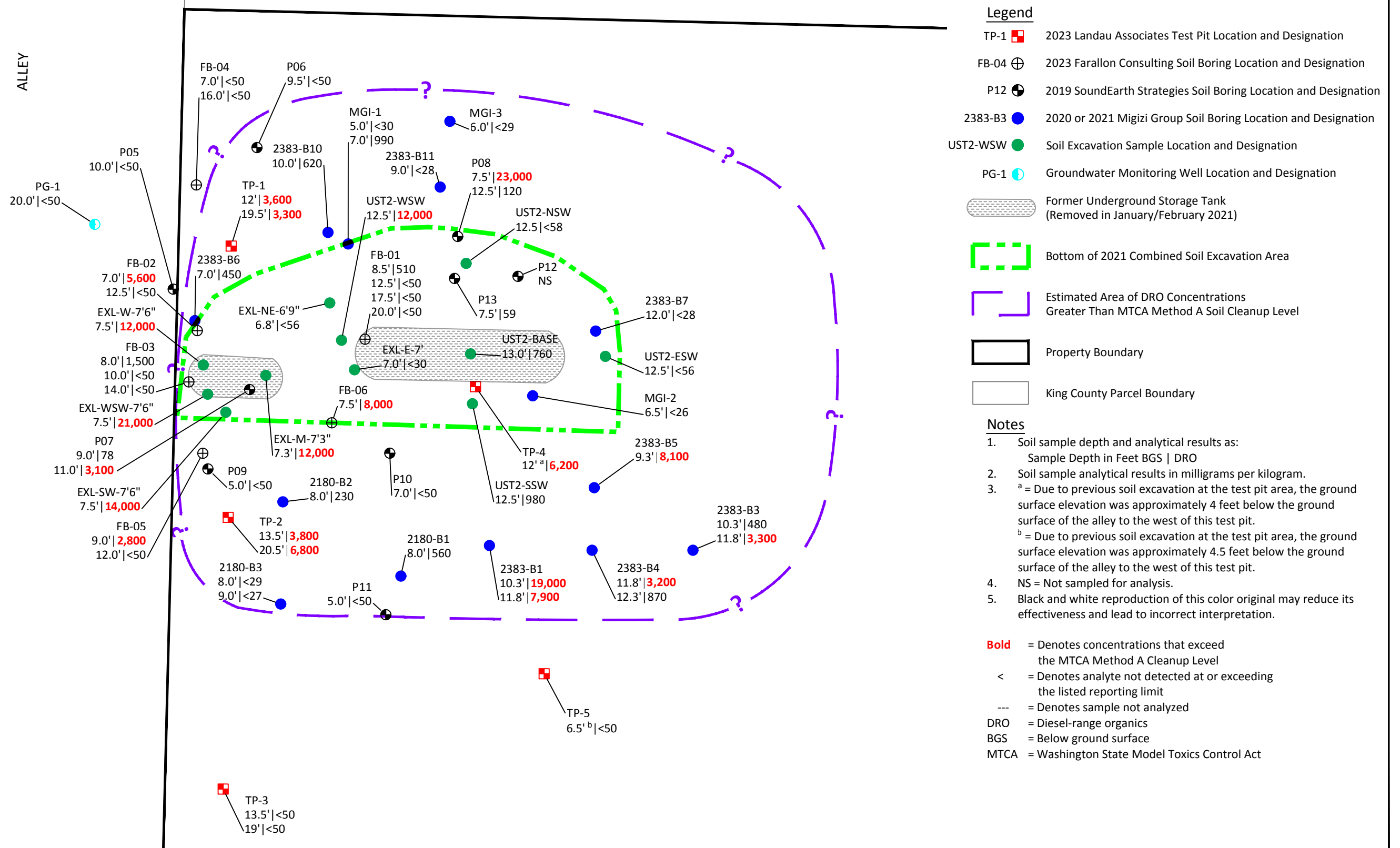
Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

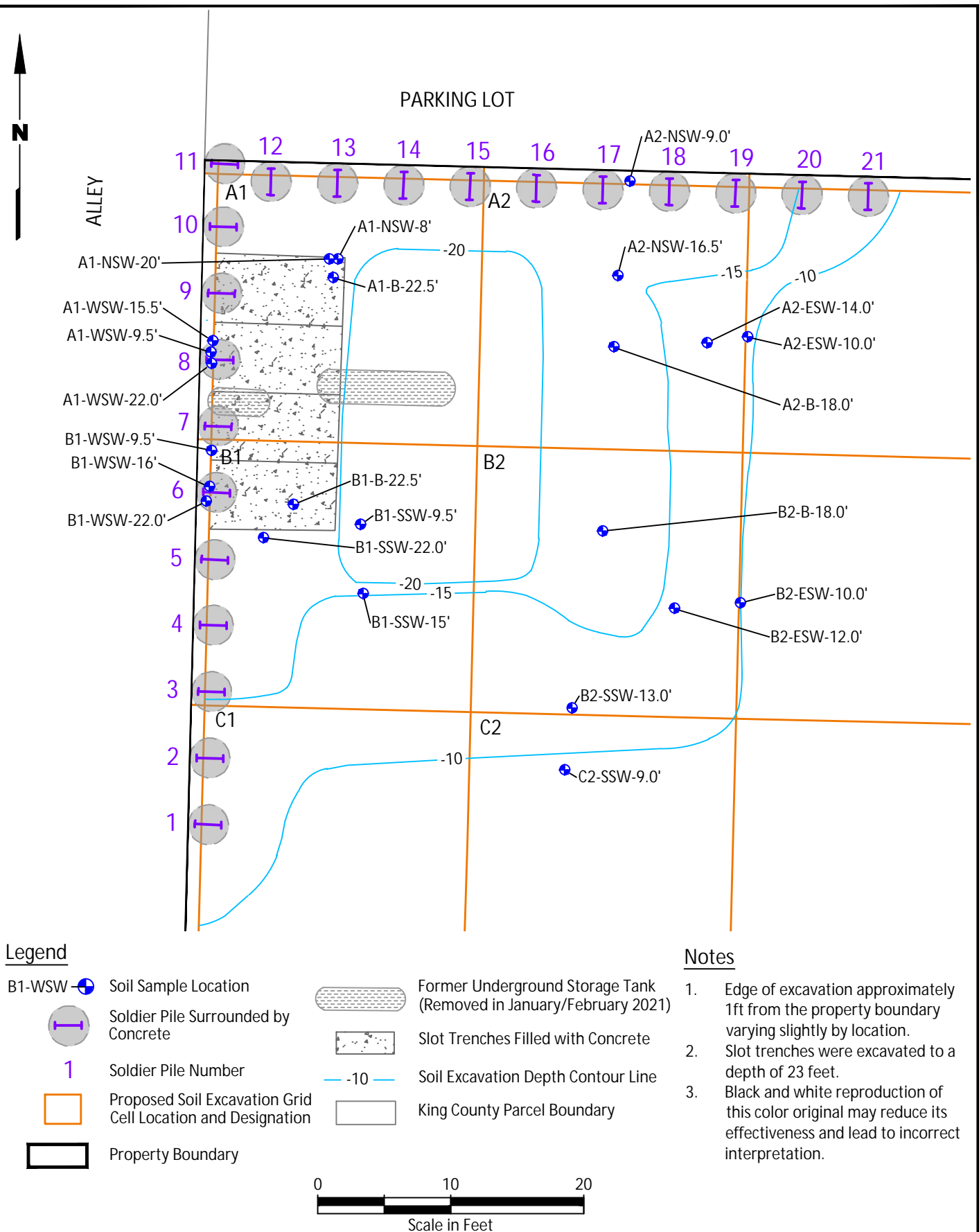
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Source: Farallon Consulting, 2023

Koz Development Property
312 West Republican Street
Seattle, Washington

Excavation Dimensions and
Sample Locations

Figure
4

Table 1
Soil Sample Analytical Results - Petroleum Hydrocarbons and BTEX
Koz Development Property
312 West Republican Street
Seattle, Washington

Sample Location	Sample ID	Sample Date	Approximate Sample Depth (feet)	NWTPH-Dx (mg/kg)		NWTPH-DxSG (mg/kg)		NWTPH-Gx (mg/kg)	SW-846 8260D (mg/kg)					
				Diesel-Range Organics	Oil-Range Organics	Diesel-Range Organics	Oil-Range Organics	Gasoline-Range Organics	Benzene	Toluene	Ethylbenzene	m-&p-Xylenes	o-Xylene	Total Xylenes
MTCA Method A Cleanup Levels				2,000	2,000	NE	NE	30/100 ^a	0.03	7.0	6.0	--	16,000	9.0
2019 SoundEarth Investigation														
P05	P05 10	2/22/2019	10.0	50 U	250 U	--	--	5 U	0.020 U	0.020 U	0.020 U	--	--	0.060 U
P06	P06 09.5	2/22/2019	9.5	50 U	250 U	--	--	5 U	0.020 U	0.020 U	0.020 U	--	--	0.060 U
P07	P07 09	2/22/2019	9.0	78	250 U	--	--	310	0.020 U	0.099	1.5	--	--	2.2
	P07 11	2/22/2019	11.0	3,100	250 U	--	--	1,200	0.054 J	0.40	5.0	--	--	18
P08	P08 7.5	2/22/2019	7.5	23,000	250 U	--	--	7,600	1.6	3.4	34	--	--	260
	P08 12.5	2/22/2019	12.5	120	250 U	--	--	960	0.048 J	0.1 U	3.2	--	--	13
P09	P09 05	4/8/2019	5.0	50 U	250 U	--	--	5 U	0.020 U	0.020 U	0.020 U	--	--	0.060 U
P10	P10 07	4/8/2019	7.0	50 U	250 U	--	--	560	0.020 U	0.020 U	1.5	--	--	3.0
P11	P11 05	4/8/2019	5.0	50 U	250 U	--	--	5 U	0.020 U	0.020 U	0.020 U	--	--	0.060 U
P13	P13 07.5	4/8/2019	7.5	59 ^b	250 U	--	--	5 U	0.020 U	0.020 U	0.020 U	--	--	0.060 U
PG-1	PG 1 20	4/8/2019	20.0	50 U	250 U	--	--	5 U	0.020 U	0.020 U	0.020 U	--	--	0.060 U
2020 Migizi Investigation														
MGI-1	MGI 1 7'	12/18/2020	7.0	990	64 U	--	--	--	--	--	--	--	--	--
	MGI 1 5'	12/18/2020	5.0	30 U	61 U	--	--	--	--	--	--	--	--	--
MGI-2	MGI 2 6.5'	12/18/2020	6.5	26 U	53 U	--	--	--	--	--	--	--	--	--
MGI-3	MGI 3 6'	12/18/2020	6.0	29 U	59 U	--	--	--	--	--	--	--	--	--
2180-B1	2180 B1 8'	12/22/2020	8.0	560	140	--	--	--	--	--	--	--	--	--
2180-B2	2180 B2 8'	12/22/2020	8.0	230	140	--	--	--	--	--	--	--	--	--
2180-B3	2180 B3 8'	12/22/2020	8.0	29 U	57 U	--	--	--	--	--	--	--	--	--
	2180 B3 9'	12/22/2020	9.0	27 U	54 U	--	--	--	--	--	--	--	--	--

Table 1
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Koz Development Property
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Sample Location	Sample ID	Sample Date	Approximate Sample Depth (feet)	NWTPH-Dx (mg/kg)		NWTPH-DxSG (mg/kg)		NWTPH-Gx (mg/kg)	SW-846 8260D (mg/kg)					
				Diesel-Range Organics	Oil-Range Organics	Diesel-Range Organics	Oil-Range Organics	Gasoline-Range Organics	Benzene	Toluene	Ethylbenzene	m-&p-Xylenes	o-Xylene	Total Xylenes
MTCA Method A Cleanup Levels				2,000	2,000	NE	NE	30/100 ^a	0.03	7.0	6.0	--	16,000	9.0
2021 Soil Excavations														
EXL-M-7'3"	EXL M 7'3"	2/19/2021	7.3	12,000	360 U	--	--	3,200 U**	--	--	--	--	--	--
EXL-W-7'6"	EXL W 7'6"	2/19/2021	7.5	12,000	370 U	--	--	3,800 U**	--	--	--	--	--	--
EXL-WSW-7'6"	EXL WSW 7'6"	2/19/2021	7.5	21,000	580 U	--	--	4,300 U**	--	--	--	--	--	--
EXL-SW-7'6"	EXL SW 7'6"	2/19/2021	7.5	14,000	540 U	--	--	3,000 U**	--	--	--	--	--	--
EXL-NE-6'9"	EXL NE 6'9"	2/19/2021	6.8	56 U**	120 U**	--	--	24 U**	--	--	--	--	--	--
EXL-E-7'	EXL E 7'	2/19/2021	7.0	30 U	60 U	--	--	24 U**	--	--	--	--	--	--
UST2-NSW	UST2 NSW 12'6"	3/1/2021	12.5	58 U	120 U	--	--	23 U	--	--	--	--	--	--
UST2-ESW	UST2 ESW 12'6"	3/1/2021	12.5	56 U	110 U	--	--	23 U	--	--	--	--	--	--
UST2-SSW	UST2 SSW 12'6"	3/1/2021	12.5	980	120 U	--	--	42 U	--	--	--	--	--	--
UST2-WSW	UST2 WSW 12'6"	3/3/2021	12.5	12,000	410 U	--	--	5,500	0.46	0.56 U	13	--	--	65
UST2-BASE	UST2 BASE 13'	3/1/2021	13.0	760	100 U	--	--	72 U	--	--	--	--	--	--
2021 Migizi Investigation														
2383-B1	2383 B1 10'4"	5/21/2021	10.3	19,000	1,200 U	--	--	580 U	0.021 U	0.11 U	0.13	--	--	0.320 U
	2838 B1 11'10"	5/21/2021	11.8	7,900	680 U	--	--	70 U	0.020 U	0.080 U	0.080 U	--	--	0.160 U
2383-B3	2383 B3 10'4"	5/21/2021	10.3	480	150 U	--	--	4.6 U	0.020 U	0.046 U	0.046 U	--	--	0.092 U
	2383 B3 11'10"	5/21/2021	11.8	3,300	470 U	--	--	160 U	0.021 U	0.11 U	0.11 U	--	--	0.220 U
2383-B4	2383 B4 12'4"	5/21/2021	12.3	870	160 U	--	--	59 U	0.020 U	0.089 U	0.089 U	--	--	0.178 U
2383-B4	2383 B4 11'10"	5/21/2021	11.8	3,200	430 U	--	--	40 U	0.020 U	0.095 U	0.095 U	--	--	0.190 U
2383-B5	2383 B5 9'4"	5/21/2021	9.3	8,100	930 U	--	--	150U	0.020 U	0.085 U	0.085 U	--	--	0.170 U
2383-B6	2383 B6 7'	5/21/2021	7.0	450	59 U	--	--	300 U	0.024 U	0.12 U	0.35	--	--	0.20
2383-B7	2383 B7 12'	5/21/2021	12.0	28 U	55 U	--	--	4.5 U	0.020 U	0.045 U	0.045 U	--	--	0.090 U
2383-B10	2383 B10 10'	5/21/2021	10.0	620	300	--	--	26 U	0.020 U	0.047 U	0.047 U	--	--	0.094 U
2383-B11	2383 B11 9'	5/21/2021	9.0	28 U	55 U	--	--	5.2 U	0.020 U	0.052 U	0.052 U	--	--	0.104 U

Table 1
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Koz Development Property
312 West Republican Street
Seattle, Washington

Sample Location	Sample ID	Sample Date	Approximate Sample Depth (feet)	NWTPH-Dx (mg/kg)		NWTPH-DxSG (mg/kg)		NWTPH-Gx (mg/kg)	SW-846 8260D (mg/kg)					
				Diesel-Range Organics	Oil-Range Organics	Diesel-Range Organics	Oil-Range Organics	Gasoline-Range Organics	Benzene	Toluene	Ethylbenzene	m-&p-Xylenes	o-Xylene	Total Xylenes
MTCA Method A Cleanup Levels				2,000	2,000	NE	NE	30/100 ^a	0.03	7.0	6.0	--	16,000	9.0
2023 Farallon Investigation														
FB-01	FB-01-8.5	9/28/2023	8.5	510	250 U	--	--	99	0.001 U	0.001 U	0.053	--	--	0.064
	FB-01-12.5	9/28/2023	12.5	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
	FB-01-17.5	9/28/2023	17.5	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
	FB-01-20.0	9/28/2023	20.0	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
FB-02	FB-02-7.0	10/3/2023	7.0	5,600	250 U	--	--	1,300	0.015	0.0047	2.2	--	--	7.6
	FB-02-12.5	10/3/2023	12.5	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
FB-03	FB-03-8.0	10/3/2023	8.0	1,500	250 U	--	--	140	0.001 U	0.001 U	0.018	--	--	0.019
	FB-03-10.0	10/3/2023	10.0	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
	FB-03-14.0	10/3/2023	14.0	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
FB-04	FB-04-7.0	10/3/2023	7.0	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
	FB-04-16.0	10/3/2023	16.0	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
FB-05	FB-05-9.0	10/3/2023	9.0	2,800	250 U	--	--	350	0.001 U	0.001 U	0.0044	--	--	0.003 U
	FB-05-12.0	10/3/2023	12.0	50 U	250 U	--	--	5.0 U	0.001 U	0.001 U	0.001 U	--	--	0.003 U
FB-06	FB-06-7.5	10/3/2023	7.5	8,000	250 U	--	--	380	0.001 U	0.001 U	0.0086	--	--	0.0056
2023 Landau Assessment														
TP-1	TP-1-12'	12/8/2023	12.0	3,600	250 U	--	--	330 ^b	0.030 U	0.050 U	0.065	--	--	0.221
	TP-1-19.5'	12/8/2023	19.5	3,300	250 U	--	--	150 ^b	0.030 U	0.050 U	0.050 U	--	--	0.10 U
TP-2	TP-2-13.5'	12/8/2023	13.5	3,800 J	250 U	4,200 J	250 U	470 ^b	0.030 U	0.050 U	0.42	--	--	1.54
	TP-2-20.5'	12/8/2023	20.5	6,800	250 U	--	--	970 ^b	0.030 UJ	0.050 UJ	2.4 J	--	--	9.1 J

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				Diesel-Range Organics	Oil-Range Organics	Diesel-Range Organics	Oil-Range Organics	Gasoline-Range Organics	Benzene	Toluene	Ethylbenzene	m-&p-Xylenes	o-Xylene	Total Xylenes
MTCA Method A Cleanup Levels				2,000	2,000	NE	NE	30/100 ^a	0.03	7.0	6.0	--	16,000	9.0
2023 Landau Assessment (continued)														
TP-3	TP-3-13.5'	12/8/2023	13.5	50 U	250 U	50 U	250 U	5.0 U	0.030 U	0.050 U	0.050 U	--	--	0.10 U
	TP-3-19'	12/8/2023	19.0	50 U	250 U	--	--	5.0 U	0.030 U	0.050 U	0.050 U	--	--	0.10 U
TP-4	TP-4-12'	12/8/2023	12.0	6,200	250 U	5,700	250 U	2,600 ^b	0.030 U	0.050 U	0.58	--	--	0.53
TP-5	TP-5-6.5'	12/8/2023	6.5	50 U	250 U	--	--	5.0 U	0.030 U	0.050 U	0.050 U	--	--	0.10 U
2024 Landau Soil Excavation														
A1-NSW	A1-NSW-8'	2/2/2024	8.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	A1-NSW-20'	2/12/2024	20.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
A1-WSW	A1-WSW-9.5'	2/1/2024	9.5	220	250 U	--	--	19	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	A1-WSW-15.5'	2/7/2024	15.5	50 U	80 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	A1-WSW-22.0	2/19/2024	22.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
A1-B	A1-B-22.5'	2/12/2024	22.5	50 U	250 U	--	--	5.0 U	0.030 U	0.050 U	0.050 U	0.1 U	0.05 U	0.1 U
A2-NSW	A2-NSW-9.0'	2/14/2024	9.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	A2-NSW-16.5'	2/14/2024	16.5	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
A2-ESW	A2-ESW-10.0'	2/14/2024	10.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	A2-ESW-14.0'	2/14/2024	14.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
A2-B	A2-B-18'	2/14/2024	18.0	50 U	250 U	--	--	5.0 U	0.030 U	0.050 U	0.050 U	0.1 U	0.05 U	0.1 U
B1-SSW	B1-SSW-9.5'	2/1/2024	9.5	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	B1-SSW-15'	2/2/2024	15.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	B1-SSW-22.0	2/19/2024	22.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
B1-WSW	B1-WSW-9.5'	2/1/2024	9.5	280	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	B1-WSW-16'	2/7/2024	16.0	1,900	80 U	--	--	1,200 ^b	0.03 U	0.05 U	1.2	1.7	2.4	4.1
	B1-WSW-22.0	2/19/2024	22.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
B1-B	B1-B-22.5'	2/12/2024	22.5	50 U	250 U	--	--	5.0 U	0.030 U	0.050 U	0.050 U	0.1 U	0.05 U	0.1 U

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				Diesel-Range Organics	Oil-Range Organics	Diesel-Range Organics	Oil-Range Organics	Gasoline-Range Organics	Benzene	Toluene	Ethylbenzene	m-&p-Xylenes	o-Xylene	Total Xylenes
MTCA Method A Cleanup Levels				2,000	2,000	NE	NE	30/100 ^a	0.03	7.0	6.0	--	16,000	9.0
B2-ESW	B2-ESW-10.0'	2/14/2024	10.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
	B2-ESW-12.0'	2/14/2024	12.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
B2-SSW	B2-SSW-13.0'	2/14/2024	13.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U
B2-B	B2-B-18'	2/22/2024	18.0	50 U	250 U	--	--	5.0 U	0.030 U	0.050 U	0.050 U	0.1 U	0.05 U	0.1 U
C2-SSW	C2-SSW-9.0'	2/14/2024	9.0	50 U	250 U	--	--	5 U	0.03 U	0.05 U	0.05 U	0.1 U	0.05 U	0.1 U

Notes:

Bold text indicates detected analyte.

Green shading indicates detected exceedance of associated screening level.

U = The analyte was analyzed for, but was not detected above the level of the reported method quantitation limit.

UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

^a = MTCA Method A cleanup level is 100 mg/kg if benzene is not present and the total of ethylbenzene, toluene, and xylenes is less than 1% of the gasoline mixture; otherwise the cleanup level is 30 mg/kg.

^b = Laboratory notes that the sample chromatographic pattern does not resemble the fuel standard used for quantitation.

** = Sample was analyzed by Northwest Method NWTPH-HCID

Abbreviations and Acronyms:

ID = Identification

mg/kg = milligrams per kilogram

-- = not analyzed

NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis

NWTPH-DxSG = Northwest total petroleum hydrocarbon extended-range diesel analysis after silica gel cleanup

NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis

NE = not established

Farallon = Farallon Consulting, Inc.

Migizi = Migizi Group, Inc.

SoundEarth = SoundEarth Strategies, Inc.

BTEX = benzene, toluene, ethylbenzene, and total xylenes

MTCA = Model Toxics Control Act

Table 2
Soil Sample Analytical Results - Polycyclic Aromatic Hydrocarbons
Koz Development Property
312 West Republican Street
Seattle, Washington

Sample ID	Sample Date	Approximate Sample Depth (feet)	SW-846 8270E (mg/kg)																				
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total Naphthalenes ^b	Total cPAHs TEQ ^c	
MTCA Method A Cleanup Levels ^a			34	320	4,800	NE	24,000	NE	0.1	NE	NE	NE	NE	NE	3,200	3,200	NE	5	2,400	2,400	5	0.1	
2021 Migizi Soil Excavation																							
UST2-WSW-12'6"	3/3/2021	12.5	28	42	--	--	--	--	--	--	--	--	--	--	--	--	--	18	--	--	88	--	
2383-B1-10'4"	5/21/2021	10.3	9.5	11	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	--	--	23	--	
2023 Landau Assessment																							
TP-2-20.5'	12/8/2023	20.5	9.6	12	--	--	--	0.010 U	0.010 U	0.010 U	--	0.010 U	0.049 J	0.010 U	0.054 J	1 J	0.010 U	2.6 J	3.1 J	0.29 J	24.2 J	0.0080 J	
TP-4-12'	12/8/2023	12.0	5.4 J	9.2	--	--	--	0.010 U	0.010 U	0.010 U	--	0.010 U	0.019 J	0.010 U	0.026 J	0.86 J	0.010 U	2.6 J	1.7 J	0.13 J	17.2 J	0.0077 J	
2024 Landau Soil Excavation																							
A1-NSW-8'	2/2/2024	8.0	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	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	0.015 U	0.0076 U	
A1-NSW-20'	2/12/2024	20.0	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	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	0.015 U	0.0076 U	
A1-WSW-9.5'	2/1/2024	9.5	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	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	0.015 U	0.0076 U	
A1-WSW-15.5'	2/7/2024	15.5	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	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	0.015 U	0.0076 U	
A1-WSW-22.0	2/19/2024	22.0	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	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	0.015 U	0.0076 U	
A1-B-22.5'	2/12/2024	22.5	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	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	0.015 U	0.0076 U	
A2-NSW-9.0'	2/14/2024	9.0	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	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	0.015 U	0.0076 U	
A2-NSW-16.5'	2/14/2024	16.5	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	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	0.015 U	0.0076 U	
A2-ESW-10.0'	2/14/2024	10.0	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	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	0.015 U	0.0076 U	
A2-ESW-14.0'	2/14/2024	14.0	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.012	0.01 U	0.01 U	0.011	0.01 U	0.021	0.01 U	0.01 U	0.01 U	0.023	0.018	0.015 U	0.0083
A2-B-18'	2/14/2024	18.0	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	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	0.015 U	0.0076 U	
B1-SSW-9.5'	2/1/2024	9.5	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	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	0.015 U	0.0076 U	
B1-SSW-15'	2/2/2024	15.0	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	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	0.015 U	0.0076 U	
B1-SSW-22.0	2/19/2024	22.0	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	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	0.015 U	0.0076 U	
B1-WSW-9.5'	2/1/2024	9.5	0.057	0.026	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	0.01 U	0.01 U	0.01 U	0.01 U	0.011	0.11	0.01 U	0.094	0.0076 U	
B1-WSW-16'	2/7/2024	16.0	2.2	2.2	0.065	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.012	0.01 U	0.017	0.01 U	0.01 U	0.62	1	0.081	5.02 ^d	0.00762
B1-WSW-22.0	2/19/2024	22.0	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	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	0.015 U	0.0076 U	
B1-B-22.5'	2/12/2024	22.5	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	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	0.015 U	0.0076 U	
B2-ESW-10.0'	2/14/2024	10.0	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	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	0.015 U	0.0076 U	
B2-ESW-12.0'	2/14/2024	12.0	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	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	0.015 U	0.0076 U	
B2-SSW-13.0'	2/14/2024	13.0	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	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	0.015 U	0.0076 U	
B2-B-18'	2/22/2024	18.0	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	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	0.015 U	0.0076 U	
C2-SSW-9.0'	2/14/2024	9.0	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	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	0.015 U	0.0076 U	

Table 2
Soil Sample Analytical Results - Polycyclic Aromatic Hydrocarbons
Koz Development Property
312 West Republican Street
Seattle, Washington

Notes:

- Table only includes carcinogenic PAHs and the other PAH analytes with detected values above the reported method quantitation limits.
- Bold** text indicates detected analyte.
- Green shading indicates detected exceedance of associated screening level.
- U = The analyte was analyzed for, but was not detected above the level of the reported method quantitation limit.
- UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- ^a = MTCA Method B Cleanup Level used when there is no Method A Cleanup Level listed.
- ^b = Total naphthalenes are the total concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene. For a non-detect value, 1/2 of the reported method quantification limit was used to calculate the total naphthalenes concentratic
- ^c = Total cPAH concentrations adjusted for toxicity equivalency factors per WAC 173-340-708. For a non-detect value, 1/2 of the reported method quanitification limit
- ^d = The Methd A Cleanup Level for total naphthalenes is based on protection of groundwater; however, groundwater was not observed during the soil excavation activities.

Abbreviations and Acronyms:

- ID = Identification
- mg/kg = milligrams per kilogram
- PAH = polycyclic aromatic hydrocarbon
- NE = not established
- = not analyzed
- TEQ = toxicity equivalency
- MTCA = Model Toxics Control Act
- cPAHs = carcinogenic PAHs

Table 3
Groundwater Sample Analytical Results
Koz Development Property
312 West Republican Street
Seattle, Washington

Sample Location	Sample Date	NWTPH-Dx (µg/L)		NWTPH-Gx (µg/L)	SW-846 8260D (µg/L)				
		Diesel Range Organics	Oil Range Organics	Gasoline Range Organics	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene
MTCA Method A Cleanup Levels		500	500	800/1,000 ^a	5	1,000	700	1,000	160
Permanent Groundwater Monitoring Well in Adjacent Alley									
PG-1	4/8/2019	140	250 U	100 U	1.0 U	1.0 U	1.0 U	3.0 U	1.0 U
	12/23/2020	580	240 U	--	--	--	--	--	--
	12/12/2023	330	200 U	100 U	0.35 U	1.0 U	1.0 U	2.0 U	1.0 U
Temporary Test Pit Wells on Subject Property									
TP-2	12/12/2023	3,000	200 U	2,300 ^b	10	1.0 U	37	162	81
TP-4	12/12/2023	2,200	400 ^b	790 ^b	0.35 U	1.0 U	2.2	3.5	7.1

Notes:

Bold text indicates detected analyte.

Green shading indicates detected exceedance of associated screening level.

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

^a = MTCA Method A cleanup level is 1,000 µg/L if benzene is not present; otherwise the cleanup level is 800 µg/L.

^b = Laboratory notes that the sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Abbreviations and Acronyms:

µg/L = micrograms per liter

NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis

NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis

MTCA = Model Toxics Control Act

Attachment A

Test Pit Logs

2251001.010.012 1/6/24 C:\USERS\SL\DESKTOP\EDITED-KOZ_TP_LOGS_G-J_230104-2 - COPY.GPJ SINGLE TEST PIT LOG

TP-1						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	Excavation Method: <u>Tracked Excavator</u> Ground Elevation (ft): <u>NM</u> Excavated By: <u>Wyser Construction, Inc.</u> Logged By: <u>Graham Johnson</u>
0					GP	Groundwater seepage observed at 7.0 ft.
2						
4		Grab	0.0			
6						
8		Grab	11.1		SP/ SM	
10		Grab	3.0			
12	TP-1-12*	Grab	6.1		SP	
14		Grab	20.5			
						@ 15.0 feet: weak petroleum-like odor

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
 4. * = Soil sample submitted for laboratory analysis.

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TP-1						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	<div>Excavation Method: <u>Tracked Excavator</u></div> <div>Ground Elevation (ft): <u>NM</u></div> <div>Excavated By: <u>Wyser Construction, Inc.</u></div> <div>Logged By: <u>Graham Johnson</u></div>
16		Grab	8.6		SP-SM	SAND with SILT , brown to gray, fine grained, few silt, moist, weak petroleum-like odor (continued)
18						
20	TP-1-19.5**	Grab	24.5			
Test Pit Completed 12/08/23 Total Depth of Test Pit = 19.5 ft.						
22						
24						
26						
28						
30						
Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate. 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions. 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols. 4. * = Soil sample submitted for laboratory analysis.						
				Koz Development Property Seattle, WA		Figure (2 of 2)

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TP-2						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	Excavation Method: <u>Tracked Excavator</u> Ground Elevation (ft): <u>NM</u> Excavated By: <u>Wyser Construction, Inc.</u> Logged By: <u>Graham Johnson</u>
0					GP/GM	Groundwater seepage observed at 9.0 ft.
2						
4						
6						Groundwater seepage observed at 9.0 ft.
8						
10		Grab	6.1		SP/SM	
12						Groundwater seepage observed at 9.0 ft.
14	TP-2-13.5*	Grab	30.1		SP	

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
 4. * = Soil sample submitted for laboratory analysis.


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TP-2						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	Excavation Method: <u>Tracked Excavator</u> Ground Elevation (ft): <u>NM</u> Excavated By: <u>Wyser Construction, Inc.</u> Logged By: <u>Graham Johnson</u>
		Grab	26		SP/SM	SAND with SILT and GRAVEL , gray, fine grained, few fine to coarse grained gravel, few silt, moist, weak petroleum-like odor
16						
18						Groundwater seepage observed at 18.0 ft.
20	TP-2-20.5*	Grab	20.2			
Test Pit Completed 12/08/23 Total Depth of Test Pit = 20.5 ft.						
Temporary Well Completion Details:						
22	0.0 to 15.5 feet: Excavated soil backfill. 15.5 to 20.5 feet: Pea gravel.					
24	0.0 to 15.5 feet: 4"-diameter drain pipe. 15.5 to 20.3 feet: 4"-diameter slotted drain pipe. 20.3 to 20.5 feet: 4"-diameter slip cap.					
26						
28						
30						
Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate. 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions. 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols. 4. * = Soil sample submitted for laboratory analysis.						
LANDAU ASSOCIATES				Koz Development Property Seattle, WA		Log of Test Pit TP-2
						Figure (2 of 2)


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TP-3						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	
0						Excavation Method: <u>Tracked Excavator</u> Ground Elevation (ft): <u>NM</u> Excavated By: <u>Wyser Construction, Inc.</u> Logged By: <u>Graham Johnson</u>
0					SP/SM	SAND with SILT and GRAVEL , brown and red, fine grained, few fine to coarse grained gravel, few silt, moist, no petroleum-like odor
2						
4						
6						
8						
10					SP/SM	SAND with SILT , light brown, fine grained, few silt, trace fine to coarse grained gravel, moist, no petroleum-like odor
12					SP/SM	SAND with SILT and GRAVEL , light brown, fine grained, few silt, few fine to coarse grained gravel, moist, no petroleum-like odor
14	TP-3-13.5*	Grab	19.9			
						@ 15.0 feet: trace cobble
						Groundwater seepage observed at 11.0 ft.

Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
 4. * = Soil sample submitted for laboratory analysis.

	Koz Development Property Seattle, WA	Log of Test Pit TP-3	Figure (1 of 2)
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TP-3						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	
						Excavation Method: <u>Tracked Excavator</u> Ground Elevation (ft): <u>NM</u> Excavated By: <u>Wyser Construction, Inc.</u> Logged By: <u>Graham Johnson</u>
16						
18						
	TP-3-19**	Grab			SP/SM	SAND with SILT and GRAVEL , light brown, fine grained, few silt, few fine to coarse grained gravel, trace cobbles, moist, no petroleum-like odor (continued)
20	Test Pit Completed 12/08/23 Total Depth of Test Pit = 19.0 ft. Temporary Well Completion Details: 0.0 to 14.0 feet: Excavated soil backfill. 14.0 to 19.0 feet: Pea gravel. 0.0 to 14.0 feet: 4"-diameter drain pipe. 14.0 to 18.8 feet: 4"-diameter slotted drain pipe. 18.8 to 19.0 feet: 4"-diameter slip cap.					
22						
24						
26						
28						
30						
Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate. 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions. 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols. 4. * = Soil sample submitted for laboratory analysis.						
				Koz Development Property Seattle, WA		Log of Test Pit TP-3 Figure (2 of 2)

TP-4						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	
0						Excavation Method: <u>Tracked Excavator</u> Ground Elevation (ft): <u>NM</u> Excavated By: <u>Wyser Construction, Inc.</u> Logged By: <u>Graham Johnson</u>
2		Grab	0.0		GP-GM	Groundwater seepage observed at 4.5 ft.
4						
6						
8		Grab	1.4		SP	SAND with GRAVEL, gray, fine grained, few fine to coarse grained gravel, trace silt, moist, moderate petroleum-like odor @ 8.0 feet: no silt, strong petroleum-like odor
10						
12	TP-4-12**	Grab	71.8			

Test Pit Completed 12/08/23
Total Depth of Test Pit = 12.0 ft.

Notes:

- Stratigraphic contacts are based on field interpretations and are approximate.
- Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
- Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
- * = Soil sample submitted for laboratory analysis.

Koz Development Property
Seattle, WA

Log of Test Pit TP-4

Figure
(1 of 2)

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Notes:

1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
4. * = Soil sample submitted for laboratory analysis.



Koz Development Property
Seattle, WA

Log of Test Pit TP-4

Figure

(1 of 2)

TP-4

SAMPLE DATA

SOIL PROFILE

GROUNDWATER

Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	Excavation Method: <u>Tracked Excavator</u>
						Ground Elevation (ft): <u>NM</u>
						Excavated By: <u>Wyser Construction, Inc.</u>
						Logged By: <u>Graham Johnson</u>

Temporary Well Completion Details:

16 0.0 to 7.0 feet: Excavated soil backfill.
7.0 to 12.0 feet: Pea gravel.

0.0 to 7.0 feet: 4"-diameter drain pipe.
7.0 to 11.8 feet: 4"-diameter slotted drain pipe.
11.8 to 12.0 feet: 4"-diameter slip cap.

18

20

22

24

26

28

30

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
 4. * = Soil sample submitted for laboratory analysis.

2251001.010.012 1/6/24 C:\USERS\SL\DESKTOP\PIED-koz_TP_LOGS_G-J_230104-2 - COPY.GPJ SINGLE TEST PIT LOG



Koz Development Property
Seattle, WA

Log of Test Pit TP-4

Figure

(2 of 2)

2251001.010.012 1/6/24 C:\USERS\SL\DESKTOP\PIED-TP_LOGS_G-J_230104-2 - COPY.GPJ SINGLE TEST PIT LOG

TP-5						
SAMPLE DATA				SOIL PROFILE		GROUNDWATER
Depth (ft)	Sample ID	Sample Type	PID (ppm)	Graphic Symbol	USCS Symbol	<div style="font-size: 0.8em; margin-bottom: 5px;">Excavation Method: <u>Tracked Excavator</u></div> <div style="font-size: 0.8em; margin-bottom: 5px;">Ground Elevation (ft): <u>NM</u></div> <div style="font-size: 0.8em; margin-bottom: 5px;">Excavated By: <u>Wyser Construction, Inc.</u></div> <div style="font-size: 0.8em;">Logged By: <u>Graham Johnson</u></div>
0	TP-5-6.5**	Grab	0.0		GW/ GM	GRAVEL with SAND and SILT , dark brown to red, fine to coarse grained, few fine to medium grained sand, few silt, moist, no petroleum-like odor
2			0.0			
4		Grab	0.0			
6		Grab	0.0		SP/ SM	SAND with GRAVEL and SILT , brown, fine grained, few fine to coarse grained gravel, few silt, moist, no petroleum-like odor
8		Grab	0.0			
10		Grab	0.0			
12	Grab	0.0				
14	Grab	0.0				

Test Pit Completed 12/08/23
Total Depth of Test Pit = 14.0 ft.

Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
 4. * = Soil sample submitted for laboratory analysis.

Koz Development Property Seattle, WA	Log of Test Pit TP-5	Figure (1 of 1)
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Laboratory Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
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December 13, 2023

Mike Staton, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr Staton:

Included are the results from the testing of material submitted on December 8, 2023 from the Koz Development Property 2251001.010, F&BI 312154 project. There are 6 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
LDU1213R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 8, 2023 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Property 2251001.010, F&BI 312154 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
312154 -01	TP-1-12'
312154 -02	TP-1-19.5'
312154 -03	TP-2-20.5'
312154 -04	TP-2-13.5'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID: TP-2-20.5'	Client: Landau Associates
Date Received: 12/08/23	Project: Koz Development Property 2251001.010
Date Extracted: 12/12/23	Lab ID: 312154-03 1/5
Date Analyzed: 12/12/23	Data File: 121212.D
Matrix: Soil	Instrument: GCMS12
Units: mg/kg (ppm) Dry Weight	Operator: VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	157 ip	16	137
2-Fluorobiphenyl	92	46	122
2,4,6-Tribromophenol	91	17	154
Terphenyl-d14	102	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	2.6
2-Methylnaphthalene	8.0 ve
1-Methylnaphthalene	6.9 ve
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	1.0
Phenanthrene	3.1
Anthracene	<0.01
Fluoranthene	0.054
Pyrene	0.29
Benz(a)anthracene	<0.01
Chrysene	0.049
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	TP-2-20.5'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property 2251001.010
Date Extracted:	12/12/23	Lab ID:	312154-03 1/50
Date Analyzed:	12/12/23	Data File:	121224.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	235 d ca	10	198
2-Fluorobiphenyl	104 d	45	117
2,4,6-Tribromophenol	201 d ca	11	158
Terphenyl-d14	117 d	50	124

Compounds:	Concentration mg/kg (ppm)
2-Methylnaphthalene	12
1-Methylnaphthalene	9.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Property 2251001.010
Date Extracted:	12/12/23	Lab ID:	03-2881 mb 1/5
Date Analyzed:	12/12/23	Data File:	121211.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	105	16	137
2-Fluorobiphenyl	109	46	122
2,4,6-Tribromophenol	95	17	154
Terphenyl-d14	114	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

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

Laboratory Code: 312170-02 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	78	76	28-125	3
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	79	83	10-192	5
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	78	83	10-163	6
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	83	83	45-128	0
Acenaphthene	mg/kg (ppm)	0.83	<0.01	82	83	36-125	1
Fluorene	mg/kg (ppm)	0.83	<0.01	82	88	48-121	7
Phenanthrene	mg/kg (ppm)	0.83	<0.01	83	84	46-122	1
Anthracene	mg/kg (ppm)	0.83	<0.01	85	86	30-144	1
Fluoranthene	mg/kg (ppm)	0.83	<0.01	84	91	50-150	8
Pyrene	mg/kg (ppm)	0.83	<0.01	88	82	40-134	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	87	86	50-150	1
Chrysene	mg/kg (ppm)	0.83	<0.01	86	86	50-150	0
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	92	91	50-150	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	91	86	50-150	6
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	87	86	50-150	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	101	103	40-140	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	98	101	41-136	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	94	96	29-139	2

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	84	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	91	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	90	63-113
Acenaphthylene	mg/kg (ppm)	0.83	90	70-130
Acenaphthene	mg/kg (ppm)	0.83	88	66-112
Fluorene	mg/kg (ppm)	0.83	93	67-117
Phenanthrene	mg/kg (ppm)	0.83	89	70-130
Anthracene	mg/kg (ppm)	0.83	91	70-130
Fluoranthene	mg/kg (ppm)	0.83	96	70-130
Pyrene	mg/kg (ppm)	0.83	89	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	92	70-130
Chrysene	mg/kg (ppm)	0.83	91	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	93	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	93	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	106	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	104	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	99	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

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.

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(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 11, 2023

Mike Staton, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr Staton:

Included are the results from the testing of material submitted on December 8, 2023 from the Koz Development Property 2251001.010, F&BI 312154 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
LDU1211R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 8, 2023 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Property 2251001.010, F&BI 312154 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
312154 -01	TP-1-12'
312154 -02	TP-1-19.5'
312154 -03	TP-2-20.5'
312154 -04	TP-2-13.5'

The NWTPH-Gx concentrations are due to the presence of a middle distillate overlapping into the gasoline range. The data were flagged accordingly.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

Date Extracted: 12/11/23

Date Analyzed: 12/11/23

**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)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 50-150)
TP-1-12' 312154-01 1/5	330 x	ip
TP-1-19.5' 312154-02 1/5	150 x	144
TP-2-20.5' 312154-03 1/5	970 x	ip
TP-2-13.5' 312154-04 1/5	470 x	ip
Method Blank 03-2530 MB	<5	120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

Date Extracted: 12/11/23

Date Analyzed: 12/11/23

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
TP-1-12' 312154-01	3,600	<250	107
TP-1-19.5' 312154-02	3,300	<250	111
TP-2-20.5' 312154-03	6,800	<250	115
TP-2-13.5' 312154-04	3,800	<250	108
Method Blank 03-2828 MB	<50	<250	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

Date Extracted: 12/11/23

Date Analyzed: 12/11/23

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

**Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u> <u>(% Recovery)</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(Limit 50-150)
TP-2-13.5' 312154-04	4,200	<250	88
Method Blank 03-2828 MB	<50	<250	86

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-1-12'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/08/23	Lab ID:	312154-01
Date Analyzed:	12/08/23	Data File:	120826.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	86	114
Toluene-d8	99	86	115
4-Bromofluorobenzene	105	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	0.065
m,p-Xylene	0.14
o-Xylene	0.081

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-1-19.5'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/08/23	Lab ID:	312154-02
Date Analyzed:	12/08/23	Data File:	120827.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	86	114
Toluene-d8	100	86	115
4-Bromofluorobenzene	103	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-2-20.5'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/08/23	Lab ID:	312154-03
Date Analyzed:	12/08/23	Data File:	120829.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	86	114
Toluene-d8	109	86	115
4-Bromofluorobenzene	73 ip	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	2.4
m,p-Xylene	3.2
o-Xylene	5.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-2-13.5'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/08/23	Lab ID:	312154-04
Date Analyzed:	12/08/23	Data File:	120828.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	86	114
Toluene-d8	102	86	115
4-Bromofluorobenzene	105	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	0.42
m,p-Xylene	0.44
o-Xylene	1.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Property
Date Extracted:	12/08/23	Lab ID:	03-2788 mb
Date Analyzed:	12/08/23	Data File:	120806.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	86	114
Toluene-d8	100	86	115
4-Bromofluorobenzene	105	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

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

Laboratory Code: 312118-02 (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)	40	87	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

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

Laboratory Code: 312154-04 (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	3,100	72 b	114 b	64-136	45 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	84	78-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

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

Laboratory Code: 312154-04 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	3,900	92 b	142 b	63-146	43 b

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	108	77-123

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312154

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

Laboratory Code: 312118-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	113	109	29-129	4
Toluene	mg/kg (ppm)	2	<0.05	102	99	35-130	3
Ethylbenzene	mg/kg (ppm)	2	<0.05	88	86	32-137	2
m,p-Xylene	mg/kg (ppm)	4	<0.1	86	82	34-136	5
o-Xylene	mg/kg (ppm)	2	<0.05	90	88	33-134	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	80	65-136
Toluene	mg/kg (ppm)	2	81	66-126
Ethylbenzene	mg/kg (ppm)	2	79	64-123
m,p-Xylene	mg/kg (ppm)	4	81	68-128
o-Xylene	mg/kg (ppm)	2	78	67-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.



LANDAU
ASSOCIATES

Chain-of-Custody Record

- ☒ North Seattle (206) 631-8660
- ☐ Tacoma (253) 926-2493
- ☐ Olympia (360) 791-3178

☐ Spokane (509) 327-9757
☐ Portland (503) 542-1080
☐ _____

Date 12/01/2005
Page 1 of 1

Standard Accelerated

12/08/23 VS 01/M1

Project Name	Ker Development Project	Project No.	2251001.010
--------------	-------------------------	-------------	-------------

Project Location/Event 312 W Republic St, Seattle

Sampler's Name C-J DSB

Project Contact Mike Stachon

Send Results To instat@lan.dan.hc.cuny

Testing Parameters

Sample I.D.

Date _____

Time

Matrix

No. of
containers

ORE + ORO by NWTPH-DX
GRO by NWTPH-GX
BTX by B2600
PAHs by 8274ESIM
Total Lead by B2600
NWTPH

Observations/Comments

Special Handling Requirements:

Shipment Method: Truck

Stored on ice: ☒ Yes / ☐ No

TP-1-12'	12/8/23	0900	Sa1	5	X	x	x			O1A-E
TP-1-14.5')	12/8/23	0945	Sa1	5	X	x	x			O2A-E
TP-2-20.5'	12/8/23	1055	Sa1	5	X	x	x			O3 ↓
TP-2-13.5'	12/8/23	1110	Sa1	5	X	x	x		X	O4 ↑

- Allow water samples to settle, collect aliquot from clear portion ☐
- NWTPH-Dx - Acid wash cleanup ☐
- Silica gel cleanup ☐

— Dissolved metal samples were field filtered

Other
* Run with & without
Silica Gel Cleanup

Samples received at 4 °C

Relinquished by

Received by

Relinquished by

Received by

Signature 

Signature _____

Signature

Signature _____

Printed Name Devan B. Sandt

Printed Name _____

Printed Name _____

Printed Name _____

Company LA I

Company

Company

Company

Date 12/8/23 Time 12:30

Date 12/8/27 Time 12:30

Date _____ Time _____

Date _____ Time _____

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 13, 2023

Mike Staton, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr Staton:

Included are the additional results from the testing of material submitted on December 8, 2023 from the Koz Development Property 2251001.010, F&BI 312162 project. There are 6 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
LDU1213R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 8, 2023 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Property 2251001.010, F&BI 312162 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
312162 -01	TP-3-19'
312162 -02	TP-3-13.5'
312162 -03	TP-4-12'
312162 -04	TP-5-6.5'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID: TP-4-12'	Client: Landau Associates
Date Received: 12/08/23	Project: Koz Development Property 2251001.010
Date Extracted: 12/12/23	Lab ID: 312162-03 1/5
Date Analyzed: 12/12/23	Data File: 121213.D
Matrix: Soil	Instrument: GCMS12
Units: mg/kg (ppm) Dry Weight	Operator: VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	152 ip	16	137
2-Fluorobiphenyl	92	46	122
2,4,6-Tribromophenol	91	17	154
Terphenyl-d14	92	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	2.6
2-Methylnaphthalene	6.7 ve
1-Methylnaphthalene	5.4
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	0.86
Phenanthrene	1.7
Anthracene	<0.01
Fluoranthene	0.026
Pyrene	0.13
Benz(a)anthracene	<0.01
Chrysene	0.019
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	TP-4-12'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property 2251001.010
Date Extracted:	12/12/23	Lab ID:	312162-03 1/50
Date Analyzed:	12/12/23	Data File:	121225.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	231 d ca	10	198
2-Fluorobiphenyl	102 d	45	117
2,4,6-Tribromophenol	179 d ca	11	158
Terphenyl-d14	120 d	50	124

Compounds:	Concentration mg/kg (ppm)
2-Methylnaphthalene	9.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Property 2251001.010
Date Extracted:	12/12/23	Lab ID:	03-2881 mb 1/5
Date Analyzed:	12/12/23	Data File:	121211.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	105	16	137
2-Fluorobiphenyl	109	46	122
2,4,6-Tribromophenol	95	17	154
Terphenyl-d14	114	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

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

Laboratory Code: 312170-02 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	78	76	28-125	3
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	79	83	10-192	5
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	78	83	10-163	6
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	83	83	45-128	0
Acenaphthene	mg/kg (ppm)	0.83	<0.01	82	83	36-125	1
Fluorene	mg/kg (ppm)	0.83	<0.01	82	88	48-121	7
Phenanthrene	mg/kg (ppm)	0.83	<0.01	83	84	46-122	1
Anthracene	mg/kg (ppm)	0.83	<0.01	85	86	30-144	1
Fluoranthene	mg/kg (ppm)	0.83	<0.01	84	91	50-150	8
Pyrene	mg/kg (ppm)	0.83	<0.01	88	82	40-134	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	87	86	50-150	1
Chrysene	mg/kg (ppm)	0.83	<0.01	86	86	50-150	0
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	92	91	50-150	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	91	86	50-150	6
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	87	86	50-150	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	101	103	40-140	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	98	101	41-136	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	94	96	29-139	2

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	84	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	91	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	90	63-113
Acenaphthylene	mg/kg (ppm)	0.83	90	70-130
Acenaphthene	mg/kg (ppm)	0.83	88	66-112
Fluorene	mg/kg (ppm)	0.83	93	67-117
Phenanthrene	mg/kg (ppm)	0.83	89	70-130
Anthracene	mg/kg (ppm)	0.83	91	70-130
Fluoranthene	mg/kg (ppm)	0.83	96	70-130
Pyrene	mg/kg (ppm)	0.83	89	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	92	70-130
Chrysene	mg/kg (ppm)	0.83	91	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	93	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	93	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	106	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	104	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	99	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

312162
LANDAU
ASSOCIATES

Chain-of-Custody
Record

- ☐ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080

12/08/83 611VS 01
Date 12/08/83
Page 1 of 1

Turnaround Time:
Standard 24 hr
Accelerated

Project Name Kuz Development Project Project No. 2251001.010
Project Location/Event 312 W Republican St, Seattle
Sampler's Name G-S, OSB
Project Contact Mike Stetson
Send Results To mstetson@landauinc.com

Testing Parameters

DRUGS by NWTPH-DX
GRV by NWTPH-GX
BTEX by 8260D
PAHs
NWTPH-DX *
Lab ID

Observations/Comments

Special Handling Requirements:
Shipment Method: Drop off
Stored on ice: ☒ Yes / ☐ No

Sample I.D.	Date	Time	Matrix	No. of Containers	Lab ID
TP-3-19'	12/8/83	1245	Soil	5	01A-E
TP-3-13.5'	12/8/83	1255	Soil	5	02
TP-4-12'	12/8/83	1410	Soil	5	03
TP-5-6.5'	12/8/83	1545	Soil	5	04

Samples received at 4 °C

- Allow water samples to settle, collect aliquot from clear portion ☐
— NWTPH-DX - Acid wash cleanup ☐
— Silica gel cleanup ☐
— Dissolved metal samples were field filtered

Other * Run with and without silica gel cleanup
A-PAHs 24 hour TAT per MS
12/11/23 ME

Relinquished by
Signature [Signature]
Printed Name Brandon Johnson
Company LAI
Date 12/08/83 Time 1712

Received by
Signature [Signature]
Printed Name HODG NGUYEN
Company FBI
Date 12/8/83 Time 17:12

Relinquished by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Received by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

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 11, 2023

Mike Staton, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr Staton:

Included are the results from the testing of material submitted on December 8, 2023 from the Koz Development Property 2251001.010, F&BI 312162 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
LDU1211R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 8, 2023 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Property 2251001.010, F&BI 312162 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
312162 -01	TP-3-19'
312162 -02	TP-3-13.5'
312162 -03	TP-4-12'
312162 -04	TP-5-6.5'

The NWTPH-Gx concentrations are due to the presence of a middle distillate overlapping into the gasoline range. The data were flagged accordingly.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

Date Extracted: 12/11/23

Date Analyzed: 12/11/23

**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)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 50-150)
TP-3-19' 312162-01	<5	92
TP-3-13.5' 312162-02	<5	93
TP-4-12' 312162-03 1/50	2,600 x	121
TP-5-6.5' 312162-04	<5	93
Method Blank 03-2530 MB	<5	120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

Date Extracted: 12/11/23

Date Analyzed: 12/11/23

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
TP-3-19' 312162-01	<50	<250	101
TP-3-13.5' 312162-02	<50	<250	104
TP-4-12' 312162-03	6,200	<250	111
TP-5-6.5' 312162-04	<50	<250	100
Method Blank 03-2828 MB	<50	<250	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

Date Extracted: 12/11/23

Date Analyzed: 12/11/23

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

**Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(% Recovery)
			(Limit 50-150)
TP-3-13.5'	<50	<250	90
312162-02			
TP-4-12'	5,700	<250	90
312162-03			
Method Blank	<50	<250	86
03-2828 MB			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-3-19'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/11/23	Lab ID:	312162-01
Date Analyzed:	12/11/23	Data File:	121107.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	86	114
Toluene-d8	98	86	115
4-Bromofluorobenzene	104	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-3-13.5'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/11/23	Lab ID:	312162-02
Date Analyzed:	12/11/23	Data File:	121108.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	86	114
Toluene-d8	99	86	115
4-Bromofluorobenzene	104	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-4-12'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/11/23	Lab ID:	312162-03
Date Analyzed:	12/11/23	Data File:	121110.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	86	114
Toluene-d8	113	86	115
4-Bromofluorobenzene	100	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	0.58
m,p-Xylene	0.10
o-Xylene	0.43

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-5-6.5'	Client:	Landau Associates
Date Received:	12/08/23	Project:	Koz Development Property
Date Extracted:	12/11/23	Lab ID:	312162-04
Date Analyzed:	12/11/23	Data File:	121109.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	86	114
Toluene-d8	103	86	115
4-Bromofluorobenzene	103	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Property
Date Extracted:	12/11/23	Lab ID:	03-2804 mb
Date Analyzed:	12/11/23	Data File:	121106.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	86	114
Toluene-d8	99	86	115
4-Bromofluorobenzene	102	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

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

Laboratory Code: 312118-02 (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)	40	87	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

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

Laboratory Code: 312154-04 (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	3,100	72 b	114 b	64-136	45 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	84	78-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

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

Laboratory Code: 312154-04 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	3,900	92 b	142 b	63-146	43 b

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	108	77-123

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/23

Date Received: 12/08/23

Project: Koz Development Property 2251001.010, F&BI 312162

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

Laboratory Code: 312162-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	92	92	29-129	0
Toluene	mg/kg (ppm)	2	<0.05	91	90	35-130	1
Ethylbenzene	mg/kg (ppm)	2	<0.05	89	89	32-137	0
m,p-Xylene	mg/kg (ppm)	4	<0.1	88	89	34-136	1
o-Xylene	mg/kg (ppm)	2	<0.05	88	88	33-134	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	93	65-136
Toluene	mg/kg (ppm)	2	95	66-126
Ethylbenzene	mg/kg (ppm)	2	93	64-123
m,p-Xylene	mg/kg (ppm)	4	92	68-128
o-Xylene	mg/kg (ppm)	2	91	67-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

312162
LANDAU
ASSOCIATES

Chain-of-Custody
Record

- ☐ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080

12/08/83 611VS 01
Date 12/08/83
Page 1 of 1

Turnaround Time:
Standard 24 hr
Accelerated

Project Name Kuz Development Project Project No. 2251001.010
Project Location/Event 312 W Republican St, Seattle
Sampler's Name G-S, OSB
Project Contact Mike Stator
Send Results To mstator@landauinc.com

Testing Parameters

DRUGS by NWTPH-DX
GRU by NWTPH-GX
BTEX by 8260D

NWTPH-DX *
Lab ID

Observations/Comments

Special Handling Requirements:
Shipment Method: Overnight
Stored on ice: ☒ Yes / ☐ No

Sample I.D.	Date	Time	Matrix	No. of Containers
TP-3-19'	12/8/83	1245	Soil	5
TP-3-13.5'	12/8/83	1255	Soil	5
TP-4-12'	12/8/83	1410	Soil	5
TP-5-6.5'	12/8/83	1545	Soil	5

Samples received at 4 °C

- Allow water samples to settle, collect aliquot from clear portion ☐
— NWTPH-DX - Acid wash cleanup ☐
— Silica gel cleanup ☐
— Dissolved metal samples were field filtered

Other * Run with and without silica gel cleanup

Relinquished by
Signature [Signature]
Printed Name Brandon Johnson
Company LAI
Date 12/08/83 Time 1712

Received by
Signature [Signature]
Printed Name HODG NGUYEN
Company FBI
Date 12/8/83 Time 17:12

Relinquished by
Signature
Printed Name
Company
Date Time

Received by
Signature
Printed Name
Company
Date Time

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 14, 2023

Mike Staton, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr Staton:

Included is the amended report from the testing of material submitted on December 12, 2023 from the Koz 2251001.010, F&BI 312198 project. The "x" qualifier has been removed from the diesel range results.

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
LDU1213R.DOC

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.

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Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 13, 2023

Mike Staton, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr Staton:

Included are the results from the testing of material submitted on December 12, 2023 from the Koz 2251001.010, F&BI 312198 project. There are 11 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
LDU1213R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 12, 2023 by Friedman & Bruya, Inc. from the Landau Associates Koz 2251001.010, F&BI 312198 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
312198 -01	PG-1-231212
312198 -02	TP-2-231212
312198 -03	TP-4-231212

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/12/23

Project: Koz 2251001.010, F&BI 312198

Date Extracted: 12/13/23

Date Analyzed: 12/13/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate <u>(% Recovery)</u> (Limit 50-150)
PG-1-231212 312198-01	<100	95
TP-2-231212 312198-02 1/10	2,300 x	99
TP-4-231212 312198-03	790 x	98
Method Blank 03-2834 MB	<100	94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/12/23

Project: Koz 2251001.010, F&BI 312198

Date Extracted: 12/13/23

Date Analyzed: 12/13/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-D_x**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
PG-1-231212 312198-01 1/0.8	330	<200	80
TP-2-231212 312198-02 1/0.8	3,000	<200	55
TP-4-231212 312198-03 1/0.8	2,200	400 x	62
Method Blank 03-2833 MB	<50	<250	104

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	PG-1-231212	Client:	Landau Associates
Date Received:	12/12/23	Project:	Koz 2251001.010, F&BI 312198
Date Extracted:	12/12/23	Lab ID:	312198-01
Date Analyzed:	12/12/23	Data File:	121209.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	86	113
Toluene-d8	100	88	114
4-Bromofluorobenzene	102	88	112

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-2-231212	Client:	Landau Associates
Date Received:	12/12/23	Project:	Koz 2251001.010, F&BI 312198
Date Extracted:	12/12/23	Lab ID:	312198-02
Date Analyzed:	12/12/23	Data File:	121210.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	86	113
Toluene-d8	99	88	114
4-Bromofluorobenzene	100	88	112

Compounds:	Concentration ug/L (ppb)
Benzene	10
Toluene	<1
Ethylbenzene	37
m,p-Xylene	42
o-Xylene	120
Naphthalene	81

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	TP-4-231212	Client:	Landau Associates
Date Received:	12/12/23	Project:	Koz 2251001.010, F&BI 312198
Date Extracted:	12/12/23	Lab ID:	312198-03
Date Analyzed:	12/12/23	Data File:	121211.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	86	113
Toluene-d8	100	88	114
4-Bromofluorobenzene	101	88	112

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	2.2
m,p-Xylene	<2
o-Xylene	3.5
Naphthalene	7.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz 2251001.010, F&BI 312198
Date Extracted:	12/12/23	Lab ID:	03-2810 mb
Date Analyzed:	12/12/23	Data File:	121208.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/12/23

Project: Koz 2251001.010, F&BI 312198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 312172-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	100	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/12/23

Project: Koz 2251001.010, F&BI 312198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	100	96	72-139	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/23

Date Received: 12/12/23

Project: Koz 2251001.010, F&BI 312198

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

Laboratory Code: 312153-17 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	Acceptance Criteria
				Recovery MS	
Benzene	ug/L (ppb)	10	<0.35	105	50-150
Toluene	ug/L (ppb)	10	<1	100	50-150
Ethylbenzene	ug/L (ppb)	10	<1	100	50-150
m,p-Xylene	ug/L (ppb)	20	<2	100	50-150
o-Xylene	ug/L (ppb)	10	<1	99	50-150
Naphthalene	ug/L (ppb)	10	<1	100	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Percent	Acceptance Criteria	RPD (Limit 20)
			Recovery LCS	Recovery LCSD		
Benzene	ug/L (ppb)	10	103	102	70-130	1
Toluene	ug/L (ppb)	10	102	98	70-130	4
Ethylbenzene	ug/L (ppb)	10	100	96	70-130	4
m,p-Xylene	ug/L (ppb)	20	100	96	70-130	4
o-Xylene	ug/L (ppb)	10	97	93	70-130	4
Naphthalene	ug/L (ppb)	10	91	90	70-130	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

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 Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

February 9, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included is the amended report from the testing of material submitted on February 2, 2024 from the Koz Development 2251001.010.012, F&BI 402035 project. An "x" qualifier was added to the gasoline detection in sample A1-WSW-9.5' indicating that the pattern of peaks does not resemble the standard used for quantification.

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: boneal@landauinc.com, data@landauinc.com
LDU0206R.DOC

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 Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

February 6, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included are the results from the testing of material submitted on February 2, 2024 from the Koz Development 2251001.010.012, F&BI 402035 project. There are 20 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: boneal@landauinc.com, data@landauinc.com
LDU0206R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 2, 2024 by Friedman & Bruya, Inc. from the Landau Associates Koz Development 2251001.010.012, F&BI 402035 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
402035 -01	B1-SSW-9.5'
402035 -02	A1-WSW-9.5'
402035 -03	B1-WSW-9.5'
402035 -04	B1-SSW-15'
402035 -05	A1-NSW-8'
402035 -06	B1-WSW-11'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/24

Date Received: 02/02/24

Project: Koz Development 2251001.010.012, F&BI 402035

Date Extracted: 02/02/24

Date Analyzed: 02/05/24

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 50-150)
B1-SSW-9.5' 402035-01	<5	104
A1-WSW-9.5' 402035-02	19 x	93
B1-WSW-9.5' 402035-03	<5	91
B1-SSW-15' 402035-04	<5	93
A1-NSW-8' 402035-05	<5	99
Method Blank 04-196 MB	<5	133

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/24

Date Received: 02/02/24

Project: Koz Development 2251001.010.012, F&BI 402035

Date Extracted: 02/02/24

Date Analyzed: 02/02/24

**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)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(% Recovery)
			(Limit 50-150)
B1-SSW-9.5'	<50	<250	87
402035-01			
A1-WSW-9.5'	220	<250	95
402035-02			
B1-WSW-9.5'	280	<250	95
402035-03			
B1-SSW-15'	<50	<250	91
402035-04			
A1-NSW-8'	<50	<250	92
402035-05			
Method Blank	<50	<250	93
04-291 MB			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-SSW-9.5'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/05/24	Lab ID:	402035-01
Date Analyzed:	02/05/24	Data File:	020508.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	86	114
Toluene-d8	102	86	115
4-Bromofluorobenzene	113	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	A1-WSW-9.5'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/05/24	Lab ID:	402035-02
Date Analyzed:	02/05/24	Data File:	020509.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	86	114
Toluene-d8	101	86	115
4-Bromofluorobenzene	109	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-WSW-9.5'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/05/24	Lab ID:	402035-03
Date Analyzed:	02/05/24	Data File:	020512.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	86	114
Toluene-d8	103	86	115
4-Bromofluorobenzene	113	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-SSW-15'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/05/24	Lab ID:	402035-04
Date Analyzed:	02/05/24	Data File:	020510.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	89	86	114
Toluene-d8	99	86	115
4-Bromofluorobenzene	103	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	A1-NSW-8'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/05/24	Lab ID:	402035-05
Date Analyzed:	02/05/24	Data File:	020511.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	86	114
Toluene-d8	101	86	115
4-Bromofluorobenzene	107	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development 2251001.010.012
Date Extracted:	02/05/24	Lab ID:	04-0276 mb
Date Analyzed:	02/05/24	Data File:	020514.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	86	114
Toluene-d8	102	86	115
4-Bromofluorobenzene	107	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-SSW-9.5'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/02/24	Lab ID:	402035-01 1/5
Date Analyzed:	02/05/24	Data File:	020436.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	73	10	198
2-Fluorobiphenyl	80	45	117
2,4,6-Tribromophenol	67	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A1-WSW-9.5'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/02/24	Lab ID:	402035-02 1/5
Date Analyzed:	02/05/24	Data File:	020437.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	80	10	198
2-Fluorobiphenyl	83	45	117
2,4,6-Tribromophenol	80	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-WSW-9.5'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/02/24	Lab ID:	402035-03 1/5
Date Analyzed:	02/05/24	Data File:	020438.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	76	10	198
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	82	11	158
Terphenyl-d14	88	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.011
2-Methylnaphthalene	0.026
1-Methylnaphthalene	0.057
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.11
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-SSW-15'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/02/24	Lab ID:	402035-04 1/5
Date Analyzed:	02/05/24	Data File:	020439.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	77	10	198
2-Fluorobiphenyl	79	45	117
2,4,6-Tribromophenol	70	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A1-NSW-8'	Client:	Landau Associates
Date Received:	02/02/24	Project:	Koz Development 2251001.010.012
Date Extracted:	02/02/24	Lab ID:	402035-05 1/5
Date Analyzed:	02/05/24	Data File:	020440.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	83	10	198
2-Fluorobiphenyl	87	45	117
2,4,6-Tribromophenol	78	11	158
Terphenyl-d14	98	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development 2251001.010.012
Date Extracted:	02/02/24	Lab ID:	04-0292 mb 1/5
Date Analyzed:	02/05/24	Data File:	020434.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	91	10	198
2-Fluorobiphenyl	97	45	117
2,4,6-Tribromophenol	73	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/24

Date Received: 02/02/24

Project: Koz Development 2251001.010.012, F&BI 402035

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

Laboratory Code: 401413-35 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	5.2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	110	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/24

Date Received: 02/02/24

Project: Koz Development 2251001.010.012, F&BI 402035

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

Laboratory Code: 402028-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	2,100	88	92	63-146	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	77-123

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/24

Date Received: 02/02/24

Project: Koz Development 2251001.010.012, F&BI 402035

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

Laboratory Code: 402035-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	107	104	29-129	3
Toluene	mg/kg (ppm)	2	<0.05	106	108	35-130	2
Ethylbenzene	mg/kg (ppm)	2	<0.05	110	111	32-137	1
m,p-Xylene	mg/kg (ppm)	4	<0.1	109	111	34-136	2
o-Xylene	mg/kg (ppm)	2	<0.05	108	109	33-134	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	99	65-136
Toluene	mg/kg (ppm)	2	108	66-126
Ethylbenzene	mg/kg (ppm)	2	105	64-123
m,p-Xylene	mg/kg (ppm)	4	105	68-128
o-Xylene	mg/kg (ppm)	2	105	67-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/24

Date Received: 02/02/24

Project: Koz Development 2251001.010.012, F&BI 402035

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

Laboratory Code: 402019-01 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	81	81	28-125	0
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	85	83	10-192	2
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	81	79	10-163	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	88	86	45-128	2
Acenaphthene	mg/kg (ppm)	0.83	<0.01	87	85	36-125	2
Fluorene	mg/kg (ppm)	0.83	<0.01	90	87	48-121	3
Phenanthrene	mg/kg (ppm)	0.83	<0.01	91	87	46-122	4
Anthracene	mg/kg (ppm)	0.83	<0.01	92	89	30-144	3
Fluoranthene	mg/kg (ppm)	0.83	<0.01	98	93	50-150	5
Pyrene	mg/kg (ppm)	0.83	<0.01	91	91	40-134	0
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	92	92	50-150	0
Chrysene	mg/kg (ppm)	0.83	<0.01	96	95	50-150	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	98	98	50-150	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	92	94	50-150	2
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	100	98	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	101	99	40-140	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	99	96	41-136	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	96	94	29-139	2

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	85	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	87	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	82	63-113
Acenaphthylene	mg/kg (ppm)	0.83	89	70-130
Acenaphthene	mg/kg (ppm)	0.83	88	66-112
Fluorene	mg/kg (ppm)	0.83	90	67-117
Phenanthrene	mg/kg (ppm)	0.83	91	70-130
Anthracene	mg/kg (ppm)	0.83	93	70-130
Fluoranthene	mg/kg (ppm)	0.83	97	70-130
Pyrene	mg/kg (ppm)	0.83	91	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	94	70-130
Chrysene	mg/kg (ppm)	0.83	96	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	100	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	95	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	99	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	104	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	103	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	101	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

Chain-of-Custody Record

☒ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178

☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080

Turnaround Time: _____
Standard _____
Accelerated ☒ 24 hr

Project Name Ko2 Development Project No. 2251601.010.012

Project Location/Event Seattle, WA / Reclamation Hydrocarbon Contaminant Soil Excavation

Sampler's Name Kalpana Prasad

Project Contact Brian O'Neal

Send Results To Brian O'Neal, Data@landauinc.com

Testing Parameters

Sample I.D.

Date

Time

Matrix

No. of Containers

DO/DO (NWTPH-D)
GRO (NWTPH-D)
BTEx (S260 D)
PHHS (EPA S270E)

Hold

ID

Lab

Observations/Comments

Special Handling Requirements: _____
Shipment Method: Pick up
Stored on ice: ☒ Yes ☐ No

B1-SW-Q.S'	2/1/21	0930	Soil	5	1	+	+	+	+	01E
A1-W SW - Q.S'		1200			+	+	+	+	+	02
B1-W SW - Q.S'		1145			+	+	+	+	+	03
B1-SSW - 15'	2/2/21	0930			+	+	+	+	+	04
A1-NSW - 8'		1130			+	+	+	+	+	05
B1-W SW - 184'		0900			+	+	+	+	+	06

Allow water samples to settle, collect aliquot from clear portion ☐
NWTPH-DX - Acid wash cleanup ☐
- Silica gel cleanup ☐
Dissolved metal samples were field filtered

Other _____

+ preserved VOA's

2 if possible preserve and hold samples until retrieved

Samples received at 1 °C

Relinquished by

Signature _____

Printed Name Kalpana Prasad

Company Landau Associates

Date 2/2/21 Time 1315

Received by

Signature _____

Printed Name VNAH

Company FB1

Date 2-2-21 Time 1315

Relinquished by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____

Received by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____

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 Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

February 22, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included is the amended report from the testing of material submitted on February 7, 2024 from the Koz Development 2251001.010.015, F&BI 402101 project. The motor oil reporting limit was lowered to the method detection limit.

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: data@landauinc.com
LDU0208R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

February 8, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included are the results from the testing of material submitted on February 7, 2024 from the Koz Development 2251001.010.015, F&BI 402101 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
c: data@landauinc.com
LDU0208R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 7, 2024 by Friedman & Bruya, Inc. from the Landau Associates Koz Development 2251001.010.015, F&BI 402101 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
402101 -01	A1-WSW-15.5'
402101 -02	B1-WSW-16'

Benzo(g,h,i)perylene in the 8270E laboratory control sample did not meet the acceptance criteria. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/08/24

Date Received: 02/07/24

Project: Koz Development 2251001.010.015, F&BI 402101

Date Extracted: 02/08/24

Date Analyzed: 02/08/24

**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)

<u>Sample ID</u>	<u>Gasoline Range</u>	Surrogate (% Recovery)
Laboratory ID		(Limit 50-150)
A1-WSW-15.5' 402101-01	<5	111
B1-WSW-16' 402101-02 1/5	1,200 x	ip
Method Blank 04-204 MB	<5	117

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/08/24

Date Received: 02/07/24

Project: Koz Development 2251001.010.015, F&BI 402101

Date Extracted: 02/07/24

Date Analyzed: 02/07/24

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u> <u>(% Recovery)</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(Limit 50-150)
A1-WSW-15.5' 402101-01	<50	<80 j	95
B1-WSW-16' 402101-02	1,900	<80 j	100
Method Blank 04-323 MB	<50	<80 j	94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	A1-WSW-15.5'	Client:	Landau Associates
Date Received:	02/07/24	Project:	Koz Development 2251001.010.015
Date Extracted:	02/07/24	Lab ID:	402101-01
Date Analyzed:	02/07/24	Data File:	020727.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	86	114
Toluene-d8	96	86	115
4-Bromofluorobenzene	102	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-WSW-16'	Client:	Landau Associates
Date Received:	02/07/24	Project:	Koz Development 2251001.010.015
Date Extracted:	02/07/24	Lab ID:	402101-02
Date Analyzed:	02/07/24	Data File:	020728.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	86	114
Toluene-d8	111	86	115
4-Bromofluorobenzene	86	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	1.2
m,p-Xylene	1.7
o-Xylene	2.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development 2251001.010.015
Date Extracted:	02/07/24	Lab ID:	04-0283 mb
Date Analyzed:	02/07/24	Data File:	020706.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	86	114
Toluene-d8	101	86	115
4-Bromofluorobenzene	109	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A1-WSW-15.5'	Client:	Landau Associates
Date Received:	02/07/24	Project:	Koz Development 2251001.010.015
Date Extracted:	02/07/24	Lab ID:	402101-01 1/5
Date Analyzed:	02/08/24	Data File:	020809.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	90 ca	16	137
2-Fluorobiphenyl	74	46	122
2,4,6-Tribromophenol	66	17	154
Terphenyl-d14	72	31	167

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 jl

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-WSW-16'	Client:	Landau Associates
Date Received:	02/07/24	Project:	Koz Development 2251001.010.015
Date Extracted:	02/07/24	Lab ID:	402101-02 1/5
Date Analyzed:	02/08/24	Data File:	020810.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	109 ca	16	137
2-Fluorobiphenyl	70	46	122
2,4,6-Tribromophenol	65	17	154
Terphenyl-d14	62	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.62
2-Methylnaphthalene	2.2
1-Methylnaphthalene	2.2
Acenaphthylene	<0.01
Acenaphthene	0.065
Fluorene	<0.01
Phenanthrene	1.0
Anthracene	<0.01
Fluoranthene	0.017
Pyrene	0.081
Benz(a)anthracene	<0.01
Chrysene	0.012
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 jl

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development 2251001.010.015
Date Extracted:	02/07/24	Lab ID:	04-0330 mb 1/5
Date Analyzed:	02/08/24	Data File:	020808.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	95 ca	16	137
2-Fluorobiphenyl	78	46	122
2,4,6-Tribromophenol	68	17	154
Terphenyl-d14	75	31	167

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 jl

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/08/24

Date Received: 02/07/24

Project: Koz Development 2251001.010.015, F&BI 402101

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

Laboratory Code: 402097-01 (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)	40	117	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/08/24

Date Received: 02/07/24

Project: Koz Development 2251001.010.015, F&BI 402101

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

Laboratory Code: 402071-02 (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	350	85	85	64-136	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	80	78-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/08/24

Date Received: 02/07/24

Project: Koz Development 2251001.010.015, F&BI 402101

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

Laboratory Code: 402083-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	82	73	29-129	12
Toluene	mg/kg (ppm)	2	<0.05	86	79	35-130	8
Ethylbenzene	mg/kg (ppm)	2	<0.05	90	81	32-137	11
m,p-Xylene	mg/kg (ppm)	4	<0.1	88	80	34-136	10
o-Xylene	mg/kg (ppm)	2	<0.05	88	76	33-134	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	97	65-136
Toluene	mg/kg (ppm)	2	98	66-126
Ethylbenzene	mg/kg (ppm)	2	102	64-123
m,p-Xylene	mg/kg (ppm)	4	97	68-128
o-Xylene	mg/kg (ppm)	2	96	67-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/08/24

Date Received: 02/07/24

Project: Koz Development 2251001.010.015, F&BI 402101

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

Laboratory Code: 402101-01 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	70	73	50-150	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	74	76	50-150	3
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	71	73	50-150	3
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	75	75	50-150	0
Acenaphthene	mg/kg (ppm)	0.83	<0.01	74	75	50-150	1
Fluorene	mg/kg (ppm)	0.83	<0.01	75	75	50-150	0
Phenanthrene	mg/kg (ppm)	0.83	<0.01	76	73	10-170	4
Anthracene	mg/kg (ppm)	0.83	<0.01	74	75	37-139	1
Fluoranthene	mg/kg (ppm)	0.83	<0.01	76	78	10-203	3
Pyrene	mg/kg (ppm)	0.83	<0.01	77	78	10-208	1
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	78	78	37-146	0
Chrysene	mg/kg (ppm)	0.83	<0.01	81	80	36-144	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	80	83	40-150	4
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	78	82	45-157	5
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	77	83	50-150	7
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	75	71	24-145	5
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	75	71	31-137	5
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	66	64	14-141	3

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	77	59-105
2-Methylnaphthalene	mg/kg (ppm)	0.83	82	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	79	62-108
Acenaphthylene	mg/kg (ppm)	0.83	84	61-111
Acenaphthene	mg/kg (ppm)	0.83	85	61-110
Fluorene	mg/kg (ppm)	0.83	84	62-114
Phenanthrene	mg/kg (ppm)	0.83	83	64-112
Anthracene	mg/kg (ppm)	0.83	82	63-111
Fluoranthene	mg/kg (ppm)	0.83	82	66-115
Pyrene	mg/kg (ppm)	0.83	80	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	83	64-116
Chrysene	mg/kg (ppm)	0.83	88	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	89	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	87	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	88	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	73	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	72	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	60 vo	67-126

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.



402101

Chain-of-Custody Record

☒ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178

☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080

Date 2/10/24 Page 1 of 1

Turnaround Time: Standard X 24 HAT
Accelerated

Project Name KOZ development Project No. 2261001.D10-015

Project Location/Event Seattle, WA / Petroleum hydrocarbon contaminated soil excavation

Sampler's Name Asimuliah Gervason

Project Contact Brian O'Neal

Send Results To Bonea@landauinc.com & data@landauinc.com

Sample I.D. _____ Date _____ Time _____ Matrix _____ Containers _____ No. of _____

A1-MSW-15.5' 2/7/24 11:10 Soil 5
B1-MSW-16' 2/7/24 11:15 ↓ ↓

DR/RO/INWTPH-D
GRO (NWTPH-DX)
BTEX (8200 D)
PAHS (EPA 8210)

Testing Parameters

Observations/Comments

Shipment Method: PICK UP
Stored on ice: Yes ☒ No ☐

Special Handling Requirements:

- Allow water samples to settle, collect aliquot from clear portion ☐
- NWTPH-DX - Acid wash cleanup ☐
- Silica gel cleanup ☐
- Dissolved metal samples were field filtered

Other _____

Samples received at 3 °C

Relinquished by

Signature [Signature]

Printed Name A. Gervason

Company Landau

Date 2/7/24 Time 2:10

Received by

Signature [Signature]

Printed Name Dhan phan

Company FBI

Date 2/7/24 Time 1408

Relinquished by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____

Received by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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February 20, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included are the results from the testing of material submitted on February 19, 2024 from the Koz Development 2251001.010.015, F&BI 402262 project. There are 16 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
LDU0220R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 19, 2024 by Friedman & Bruya, Inc. from the Landau Associates Koz Development 2251001.010.015, F&BI 402262 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
402262 -01	A1-WSW-22.0
402262 -02	B1-SSW-22.0
402262 -03	B1-WSW-22.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/24

Date Received: 02/19/24

Project: Koz Development 2251001.010.015, F&BI 402262

Date Extracted: 02/19/24

Date Analyzed: 02/19/24

**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)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 50-150)
A1-WSW-22.0 402262-01	<5	95
B1-SSW-22.0 402262-02	<5	92
B1-WSW-22.0 402262-03	<5	94
Method Blank 04-219 MB	<5	97

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/24

Date Received: 02/19/24

Project: Koz Development 2251001.010.015, F&BI 402262

Date Extracted: 02/19/24

Date Analyzed: 02/19/24

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(% Recovery)
			(Limit 50-150)
A1-WSW-22.0	<50	<250	116
402262-01			
B1-SSW-22.0	<50	<250	119
402262-02			
B1-WSW-22.0	<50	<250	103
402262-03			
Method Blank	<50	<250	112
04-361 MB			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	A1-WSW-22.0	Client:	Landau Associates
Date Received:	02/19/24	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	402262-01
Date Analyzed:	02/19/24	Data File:	021915.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	86	114
Toluene-d8	97	86	115
4-Bromofluorobenzene	106	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-SSW-22.0	Client:	Landau Associates
Date Received:	02/19/24	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	402262-02
Date Analyzed:	02/19/24	Data File:	021913.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	86	114
Toluene-d8	90	86	115
4-Bromofluorobenzene	104	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-WSW-22.0	Client:	Landau Associates
Date Received:	02/19/24	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	402262-03
Date Analyzed:	02/19/24	Data File:	021914.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	86	114
Toluene-d8	96	86	115
4-Bromofluorobenzene	105	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	04-0446 mb
Date Analyzed:	02/19/24	Data File:	021909.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	79	128
Toluene-d8	95	84	121
4-Bromofluorobenzene	99	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A1-WSW-22.0	Client:	Landau Associates
Date Received:	02/19/24	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	402262-01 1/5
Date Analyzed:	02/20/24	Data File:	021923.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	64	10	198
2-Fluorobiphenyl	69	45	117
2,4,6-Tribromophenol	63	11	158
Terphenyl-d14	74	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	0.011
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-SSW-22.0	Client:	Landau Associates
Date Received:	02/19/24	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	402262-02 1/5
Date Analyzed:	02/20/24	Data File:	021924.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	70	10	198
2-Fluorobiphenyl	73	45	117
2,4,6-Tribromophenol	71	11	158
Terphenyl-d14	75	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-WSW-22.0	Client:	Landau Associates
Date Received:	02/19/24	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	402262-03 1/5
Date Analyzed:	02/20/24	Data File:	021925.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	65	10	198
2-Fluorobiphenyl	71	45	117
2,4,6-Tribromophenol	66	11	158
Terphenyl-d14	77	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development, F&BI 402262
Date Extracted:	02/19/24	Lab ID:	04-363 mb 1/5
Date Analyzed:	02/19/24	Data File:	021910.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
2-Fluorobiphenyl	80	45	117
2,4,6-Tribromophenol	75	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/24

Date Received: 02/19/24

Project: Koz Development 2251001.010.015, F&BI 402262

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

Laboratory Code: 402238-01 (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)	40	105	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/24

Date Received: 02/19/24

Project: Koz Development 2251001.010.015, F&BI 402262

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

Laboratory Code: 402252-01 (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	<50	100	102	64-136	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	78-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/24

Date Received: 02/19/24

Project: Koz Development 2251001.010.015, F&BI 402262

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

Laboratory Code: 402248-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	85	91	50-150	7
Toluene	mg/kg (ppm)	2	<0.05	85	91	50-150	7
Ethylbenzene	mg/kg (ppm)	2	<0.05	88	94	50-150	7
m,p-Xylene	mg/kg (ppm)	4	<0.1	85	91	50-150	7
o-Xylene	mg/kg (ppm)	2	<0.05	83	89	50-150	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	89	70-130
Toluene	mg/kg (ppm)	2	89	70-130
Ethylbenzene	mg/kg (ppm)	2	91	70-130
m,p-Xylene	mg/kg (ppm)	4	89	70-130
o-Xylene	mg/kg (ppm)	2	86	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/20/24

Date Received: 02/19/24

Project: Koz Development 2251001.010.015, F&BI 402262

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

Laboratory Code: 402261-01 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	80	79	28-125	1
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	87	85	10-192	2
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	83	81	10-163	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	83	82	45-128	1
Acenaphthene	mg/kg (ppm)	0.83	<0.01	81	81	36-125	0
Fluorene	mg/kg (ppm)	0.83	<0.01	86	86	48-121	0
Phenanthrene	mg/kg (ppm)	0.83	<0.01	82	85	46-122	4
Anthracene	mg/kg (ppm)	0.83	<0.01	84	86	30-144	2
Fluoranthene	mg/kg (ppm)	0.83	<0.01	88	90	50-150	2
Pyrene	mg/kg (ppm)	0.83	<0.01	83	87	40-134	5
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	84	87	50-150	4
Chrysene	mg/kg (ppm)	0.83	<0.01	88	91	50-150	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	97	100	50-150	3
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	93	95	50-150	2
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	100	101	50-150	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	93	99	40-140	6
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	89	95	41-136	7
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	84	90	29-139	7

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	83	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	89	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	84	63-113
Acenaphthylene	mg/kg (ppm)	0.83	86	70-130
Acenaphthene	mg/kg (ppm)	0.83	84	66-112
Fluorene	mg/kg (ppm)	0.83	89	67-117
Phenanthrene	mg/kg (ppm)	0.83	90	70-130
Anthracene	mg/kg (ppm)	0.83	91	70-130
Fluoranthene	mg/kg (ppm)	0.83	95	70-130
Pyrene	mg/kg (ppm)	0.83	90	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	90	70-130
Chrysene	mg/kg (ppm)	0.83	94	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	104	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	96	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	106	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	107	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	104	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	98	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

TURNAROUND TIME

Default: Dispose after 30 days

[illegible]

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.

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February 16, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included are the results from the testing of material submitted on February 14, 2024 from the Koz Development Properties 2215001.010.015, F&BI 402200 project. There are 28 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
LDU0216R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 14, 2024 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Properties 2215001.010.015, F&BI 402200 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
402200 -01	A2-B-18.0'
402200 -02	A2-NSW-9.0'
402200 -03	A2-NSW-16.5'
402200 -04	A2-ESW-10.0'
402200 -05	A2-ESW-14.0'
402200 -06	B2-ESW-10.0'
402200 -07	B2-ESW-12.0'
402200 -08	B2-SSW-13.0'
402200 -09	C2-SSW-9.0'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/16/24

Date Received: 02/14/24

Project: Koz Development Properties 2215001.010.015, F&BI 402200

Date Extracted: 02/15/24

Date Analyzed: 02/15/24

**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)

<u>Sample ID</u>	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
Laboratory ID		
A2-B-18.0' 402200-01	<5	75
A2-NSW-9.0' 402200-02	<5	76
A2-NSW-16.5' 402200-03	<5	70
A2-ESW-10.0' 402200-04	<5	74
A2-ESW-14.0' 402200-05	<5	72
B2-ESW-10.0' 402200-06	<5	72
B2-ESW-12.0' 402200-07	<5	78
B2-SSW-13.0' 402200-08	<5	72
C2-SSW-9.0' 402200-09	<5	74
Method Blank 04-214 MB	<5	71

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/16/24

Date Received: 02/14/24

Project: Koz Development Properties 2215001.010.015, F&BI 402200

Date Extracted: 02/15/24

Date Analyzed: 02/15/24

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
A2-B-18.0' 402200-01	<50	<250	97
A2-NSW-9.0' 402200-02	<50	<250	108
A2-NSW-16.5' 402200-03	<50	<250	98
A2-ESW-10.0' 402200-04	<50	<250	97
A2-ESW-14.0' 402200-05	<50	<250	106
B2-ESW-10.0' 402200-06	<50	<250	98
B2-ESW-12.0' 402200-07	<50	<250	97
B2-SSW-13.0' 402200-08	<50	<250	102
C2-SSW-9.0' 402200-09	<50	<250	102
Method Blank 04-348 MB2	<50	<250	111

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	A2-B-18.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-01
Date Analyzed:	02/15/24	Data File:	021511.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	79	128
Toluene-d8	95	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	A2-NSW-9.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-02
Date Analyzed:	02/15/24	Data File:	021512.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	79	128
Toluene-d8	93	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	A2-NSW-16.5'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-03
Date Analyzed:	02/15/24	Data File:	021513.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	117	79	128
Toluene-d8	95	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	A2-ESW-10.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-04
Date Analyzed:	02/15/24	Data File:	021509.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	A2-ESW-14.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-05
Date Analyzed:	02/15/24	Data File:	021513.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	B2-ESW-10.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-06
Date Analyzed:	02/15/24	Data File:	021514.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	84	120
Toluene-d8	94	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	B2-ESW-12.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-07
Date Analyzed:	02/15/24	Data File:	021510.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	B2-SSW-13.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-08
Date Analyzed:	02/15/24	Data File:	021511.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	C2-SSW-9.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-09
Date Analyzed:	02/15/24	Data File:	021512.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	04-0321 mb
Date Analyzed:	02/15/24	Data File:	021509.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	79	128
Toluene-d8	99	84	121
4-Bromofluorobenzene	107	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A2-B-18.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-01 1/5
Date Analyzed:	02/15/24	Data File:	021509.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	84	10	198
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	79	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A2-NSW-9.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-02 1/5
Date Analyzed:	02/15/24	Data File:	021506.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	71	16	137
2-Fluorobiphenyl	73	46	122
2,4,6-Tribromophenol	68	17	154
Terphenyl-d14	77	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A2-NSW-16.5'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-03 1/5
Date Analyzed:	02/15/24	Data File:	021507.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	85	16	137
2-Fluorobiphenyl	83	46	122
2,4,6-Tribromophenol	77	17	154
Terphenyl-d14	84	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A2-ESW-10.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-04 1/5
Date Analyzed:	02/15/24	Data File:	021508.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	84	16	137
2-Fluorobiphenyl	83	46	122
2,4,6-Tribromophenol	80	17	154
Terphenyl-d14	78	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A2-ESW-14.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-05 1/5
Date Analyzed:	02/15/24	Data File:	021509.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	90	16	137
2-Fluorobiphenyl	87	46	122
2,4,6-Tribromophenol	79	17	154
Terphenyl-d14	86	31	167

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	0.023
Anthracene	<0.01
Fluoranthene	0.021
Pyrene	0.018
Benz(a)anthracene	<0.01
Chrysene	0.011
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	0.012
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID: B2-ESW-10.0'	Client: Landau Associates
Date Received: 02/14/24	Project: Koz Development Properties
Date Extracted: 02/15/24	Lab ID: 402200-06 1/5
Date Analyzed: 02/15/24	Data File: 021510.D
Matrix: Soil	Instrument: GCMS12
Units: mg/kg (ppm) Dry Weight	Operator: VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	90	16	137
2-Fluorobiphenyl	87	46	122
2,4,6-Tribromophenol	78	17	154
Terphenyl-d14	85	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B2-ESW-12.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-07 1/5
Date Analyzed:	02/15/24	Data File:	021511.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	77	16	137
2-Fluorobiphenyl	76	46	122
2,4,6-Tribromophenol	74	17	154
Terphenyl-d14	81	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B2-SSW-13.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-08 1/5
Date Analyzed:	02/15/24	Data File:	021510.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	76	11	158
Terphenyl-d14	94	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	C2-SSW-9.0'	Client:	Landau Associates
Date Received:	02/14/24	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	402200-09 1/5
Date Analyzed:	02/15/24	Data File:	021512.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	84	16	137
2-Fluorobiphenyl	80	46	122
2,4,6-Tribromophenol	86	17	154
Terphenyl-d14	82	31	167

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	0.011
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	0.012
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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Properties
Date Extracted:	02/15/24	Lab ID:	04-0349 mb 1/5
Date Analyzed:	02/15/24	Data File:	021508.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	88	10	198
2-Fluorobiphenyl	90	45	117
2,4,6-Tribromophenol	78	11	158
Terphenyl-d14	102	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/16/24

Date Received: 02/14/24

Project: Koz Development Properties 2215001.010.015, F&BI 402200

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

Laboratory Code: 402192-01 (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)	40	100	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/16/24

Date Received: 02/14/24

Project: Koz Development Properties 2215001.010.015, F&BI 402200

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

Laboratory Code: 402180-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	98	106	108	63-146	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	106	77-123

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/16/24

Date Received: 02/14/24

Project: Koz Development Properties 2215001.010.015, F&BI 402200

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

Laboratory Code: 402200-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	87	89	50-150	2
Toluene	mg/kg (ppm)	2	<0.05	85	88	50-150	3
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	90	50-150	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	85	88	50-150	3
o-Xylene	mg/kg (ppm)	2	<0.05	82	85	50-150	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	96	70-130
Toluene	mg/kg (ppm)	2	96	70-130
Ethylbenzene	mg/kg (ppm)	2	97	70-130
m,p-Xylene	mg/kg (ppm)	4	95	70-130
o-Xylene	mg/kg (ppm)	2	92	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/16/24

Date Received: 02/14/24

Project: Koz Development Properties 2215001.010.015, F&BI 402200

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

Laboratory Code: 402200-01 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	86	83	28-125	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	87	87	10-192	0
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	83	83	10-163	0
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	86	87	45-128	1
Acenaphthene	mg/kg (ppm)	0.83	<0.01	84	85	36-125	1
Fluorene	mg/kg (ppm)	0.83	<0.01	87	88	48-121	1
Phenanthrene	mg/kg (ppm)	0.83	<0.01	88	87	46-122	1
Anthracene	mg/kg (ppm)	0.83	<0.01	90	88	30-144	2
Fluoranthene	mg/kg (ppm)	0.83	<0.01	95	94	50-150	1
Pyrene	mg/kg (ppm)	0.83	<0.01	89	91	40-134	2
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	90	91	50-150	1
Chrysene	mg/kg (ppm)	0.83	<0.01	94	94	50-150	0
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	104	103	50-150	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	98	95	50-150	3
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	105	103	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	110	111	40-140	1
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	104	108	41-136	4
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	101	105	29-139	4

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	85	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	88	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	83	63-113
Acenaphthylene	mg/kg (ppm)	0.83	87	70-130
Acenaphthene	mg/kg (ppm)	0.83	85	66-112
Fluorene	mg/kg (ppm)	0.83	88	67-117
Phenanthrene	mg/kg (ppm)	0.83	89	70-130
Anthracene	mg/kg (ppm)	0.83	90	70-130
Fluoranthene	mg/kg (ppm)	0.83	95	70-130
Pyrene	mg/kg (ppm)	0.83	96	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	93	70-130
Chrysene	mg/kg (ppm)	0.83	96	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	106	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	98	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	104	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	110	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	111	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	106	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.



Chain-of-Custody Record

☐ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178

☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080

Date 2-14-24
Page 1 of 1

Turnaround Time: 24 hr
Standard Accelerated

02-14-24

US82/ D2

Project Name Kor Development Properties Project No. 2215001.010.015

Project Location/Event Seattle, WA

Sampler's Name Spencer Co

Project Contact Brian O'Neal

Send Results To Brian O'Neal - BONEAL@landauinc.com

Testing Parameters

DRD + ORD
GRO
NWTPH-Dx
BTX EPA 8260D
PAHs EPA 8270E SIM

Observations/Comments

Special Handling Requirements:

Shipment Method:

Stored on ice: Yes / No

Allow water samples to settle, collect aliquot from clear portion ☐

NWTPH-Dx - Acid wash cleanup ☐

- Silica gel cleanup ☐

Dissolved metal samples were field filtered

Other

Sample I.D.	Date	Time	Matrix	No. of Containers	DRD + ORD	GRO	NWTPH-Dx	BTX EPA 8260D	PAHs EPA 8270E SIM
A2 - B - 18.0'	2/14/24	1130	Soil	5	X	X	X	X	X
A2 - NSW - 9.0'	2/14/24	1200	Soil	5	X	X	X	X	X
A2 - NSW - 16.5'	2/14/24	1210	Soil	5	X	X	X	X	X
A2 - ESsw - 10.0'	2/14/24	1300	Soil	5	X	X	X	X	X
A2 - ESsw - 14.0'	2/14/24	1310	Soil	5	X	X	X	X	X
B2 - ESsw - 10.0'	2/14/24	1415	Soil	5	X	X	X	X	X
B2 - ESsw - 12.0'	2/14/24	1420	Soil	5	X	X	X	X	X
B2 - SSsw - 13.0'	2/14/24	1410	Soil	5	X	X	X	X	X
C2 - SSsw - 9.0'	2/14/24	1450	Soil	5	X	X	X	X	X

Samples received at 0 °C

Relinquished by Spencer Co

Received by MacGoldman

Relinquished by

Received by

Signature Spencer Co
Printed Name Spencer Co
Company LAZ
Date 2/14/24 Time 1625

Signature MacGoldman
Printed Name MacGoldman
Company PRJ
Date 2/14/24 Time 1625

Signature
Printed Name
Company
Date
Time

Signature
Printed Name
Company
Date
Time

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 Ave South
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www.friedmanandbruya.com

February 14, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included are the results from the testing of material submitted on February 12, 2024 from the Koz Development Properties 2251001.010.015, F&BI 402156 project. There are 16 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
LDU0214R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 12, 2024 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Properties 2251001.010.015, F&BI 402156 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Landau Associates</u>
402156 -01	B1-B-22.5'
402156 -02	A1-NSW-20'
402156 -03	A1-B-22.5'

Acenaphthene exceeded the acceptance criteria in the 8270E matrix spike sample and matrix spike sample duplicate. The compound was not detected, therefore the results were acceptable.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/14/24

Date Received: 02/12/24

Project: Koz Development Properties 2251001.010.015, F&BI 402156

Date Extracted: 02/13/24

Date Analyzed: 02/13/24

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 50-150)
B1-B-22.5' 402156-01	<5	93
A1-NSW-20' 402156-02	<5	97
A1-B-22.5' 402156-03	<5	100
Method Blank 04-210 MB2	<5	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/14/24

Date Received: 02/12/24

Project: Koz Development Properties 2251001.010.015, F&BI 402156

Date Extracted: 02/13/24

Date Analyzed: 02/13/24

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B1-B-22.5' 402156-01	<50	<250	108
A1-NSW-20' 402156-02	<50	<250	107
A1-B-22.5' 402156-03	<50	<250	107
Method Blank 04-341 MB2	<50	<250	104

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B1-B-22.5'	Client:	Landau Associates
Date Received:	02/12/24	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	402156-01
Date Analyzed:	02/13/24	Data File:	021312.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	86	114
Toluene-d8	103	86	115
4-Bromofluorobenzene	103	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	A1-NSW-20'	Client:	Landau Associates
Date Received:	02/12/24	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	402156-02
Date Analyzed:	02/13/24	Data File:	021313.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	86	114
Toluene-d8	99	86	115
4-Bromofluorobenzene	109	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	A1-B-22.5'	Client:	Landau Associates
Date Received:	02/12/24	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	402156-03
Date Analyzed:	02/13/24	Data File:	021314.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	86	114
Toluene-d8	101	86	115
4-Bromofluorobenzene	108	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	04-0316 mb
Date Analyzed:	02/13/24	Data File:	021306.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	86	114
Toluene-d8	101	86	115
4-Bromofluorobenzene	107	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B1-B-22.5'	Client:	Landau Associates
Date Received:	02/12/24	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	402156-01 1/5
Date Analyzed:	02/13/24	Data File:	021306.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	80	10	198
2-Fluorobiphenyl	79	45	117
2,4,6-Tribromophenol	76	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A1-NSW-20'	Client:	Landau Associates
Date Received:	02/12/24	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	402156-02 1/5
Date Analyzed:	02/13/24	Data File:	021307.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	81	10	198
2-Fluorobiphenyl	80	45	117
2,4,6-Tribromophenol	77	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	A1-B-22.5'	Client:	Landau Associates
Date Received:	02/12/24	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	402156-03 1/5
Date Analyzed:	02/13/24	Data File:	021308.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	74	10	198
2-Fluorobiphenyl	76	45	117
2,4,6-Tribromophenol	77	11	158
Terphenyl-d14	85	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	2251001.010.015, F&BI 402156
Date Extracted:	02/13/24	Lab ID:	04-0340 mb2 1/5
Date Analyzed:	02/13/24	Data File:	021305.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	85	10	198
2-Fluorobiphenyl	85	45	117
2,4,6-Tribromophenol	77	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/14/24

Date Received: 02/12/24

Project: Koz Development Properties 2251001.010.015, F&BI 402156

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

Laboratory Code: 402142-01 (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)	40	97	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/14/24

Date Received: 02/12/24

Project: Koz Development Properties 2251001.010.015, F&BI 402156

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

Laboratory Code: 402151-01 (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	490	86	86	64-136	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	86	78-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/14/24

Date Received: 02/12/24

Project: Koz Development Properties 2251001.010.015, F&BI 402156

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

Laboratory Code: 402156-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	94	96	29-129	2
Toluene	mg/kg (ppm)	2	<0.05	99	98	35-130	1
Ethylbenzene	mg/kg (ppm)	2	<0.05	101	101	32-137	0
m,p-Xylene	mg/kg (ppm)	4	<0.1	102	99	34-136	3
o-Xylene	mg/kg (ppm)	2	<0.05	99	95	33-134	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	96	65-136
Toluene	mg/kg (ppm)	2	102	66-126
Ethylbenzene	mg/kg (ppm)	2	105	64-123
m,p-Xylene	mg/kg (ppm)	4	101	68-128
o-Xylene	mg/kg (ppm)	2	99	67-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/14/24

Date Received: 02/12/24

Project: Koz Development Properties 2251001.010.015, F&BI 402156

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

Laboratory Code: 402091-11 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	2.1	55 b	81 b	28-125	38 b
2-Methylnaphthalene	mg/kg (ppm)	0.83	4.9	62 b	103 b	10-192	50 b
1-Methylnaphthalene	mg/kg (ppm)	0.83	2.8	71 b	98 b	10-163	32 b
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	76	74	45-128	3
Acenaphthene	mg/kg (ppm)	0.83	<0.01	140 vo	139 vo	36-125	1
Fluorene	mg/kg (ppm)	0.83	<0.01	117	116	48-121	1
Phenanthrene	mg/kg (ppm)	0.83	0.87	57 b	60 b	46-122	5 b
Anthracene	mg/kg (ppm)	0.83	<0.01	86	75	30-144	14
Fluoranthene	mg/kg (ppm)	0.83	0.020	90	89	50-150	1
Pyrene	mg/kg (ppm)	0.83	0.54	74 b	86 b	40-134	15 b
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	91	89	50-150	2
Chrysene	mg/kg (ppm)	0.83	0.019	89	88	50-150	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	96	97	50-150	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	88	89	50-150	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	93	95	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	90	89	40-140	1
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	83	85	41-136	2
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	76	76	29-139	0

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	84	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	86	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	82	63-113
Acenaphthylene	mg/kg (ppm)	0.83	87	70-130
Acenaphthene	mg/kg (ppm)	0.83	86	66-112
Fluorene	mg/kg (ppm)	0.83	86	67-117
Phenanthrene	mg/kg (ppm)	0.83	88	70-130
Anthracene	mg/kg (ppm)	0.83	88	70-130
Fluoranthene	mg/kg (ppm)	0.83	92	70-130
Pyrene	mg/kg (ppm)	0.83	93	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	92	70-130
Chrysene	mg/kg (ppm)	0.83	95	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	99	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	93	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	100	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	99	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	97	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	90	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.



Chain-of-Custody Record

☒ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178

☐ Spokane (509) 527-9737
☐ Portland (503) 542-1080

Date 2.12.24
Page 1 of 1

Turnaround Time: 24 hr
Standard: Accelerated

402156

02/12/24

D1/USP1

Project Name Ko2 Development Properties Project No. 2251001.010.015

Project Location/Event Seattle IWA

Sampler's Name Spencer W Emerson Ltd

Project Contact Brian O'Neal

Send Results To Brian O'Neal - BOnéal@landauinc.com

Sample I.D. Lab ID

Date

Time

Matrix

No. of Containers

DRO, ORD (NWTPH-Dx)
GRO (NWTPH-Gx)
BTEX (EPA 8260D)
PAHs (EPA 8270E SIM)

Testing Parameters

Special Handling Requirements:

Shipment Method:

Stored on ice: Yes / No

Observations/Comments

— Allow water samples to settle, collect aliquot from clear portion ☐

— NWTPH-Dx - Acid wash cleanup ☐

- Silica gel cleanup ☐

— Dissolved metal samples were field filtered

Other _____

Samples received at 0 °C

Relinquished by

Signature _____

Printed Name _____

Company _____

Date 2/12/24 Time _____

Received by

Signature _____

Printed Name _____

Company _____

Date 2/12/24 Time 1610

Relinquished by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____

Received by

Signature _____

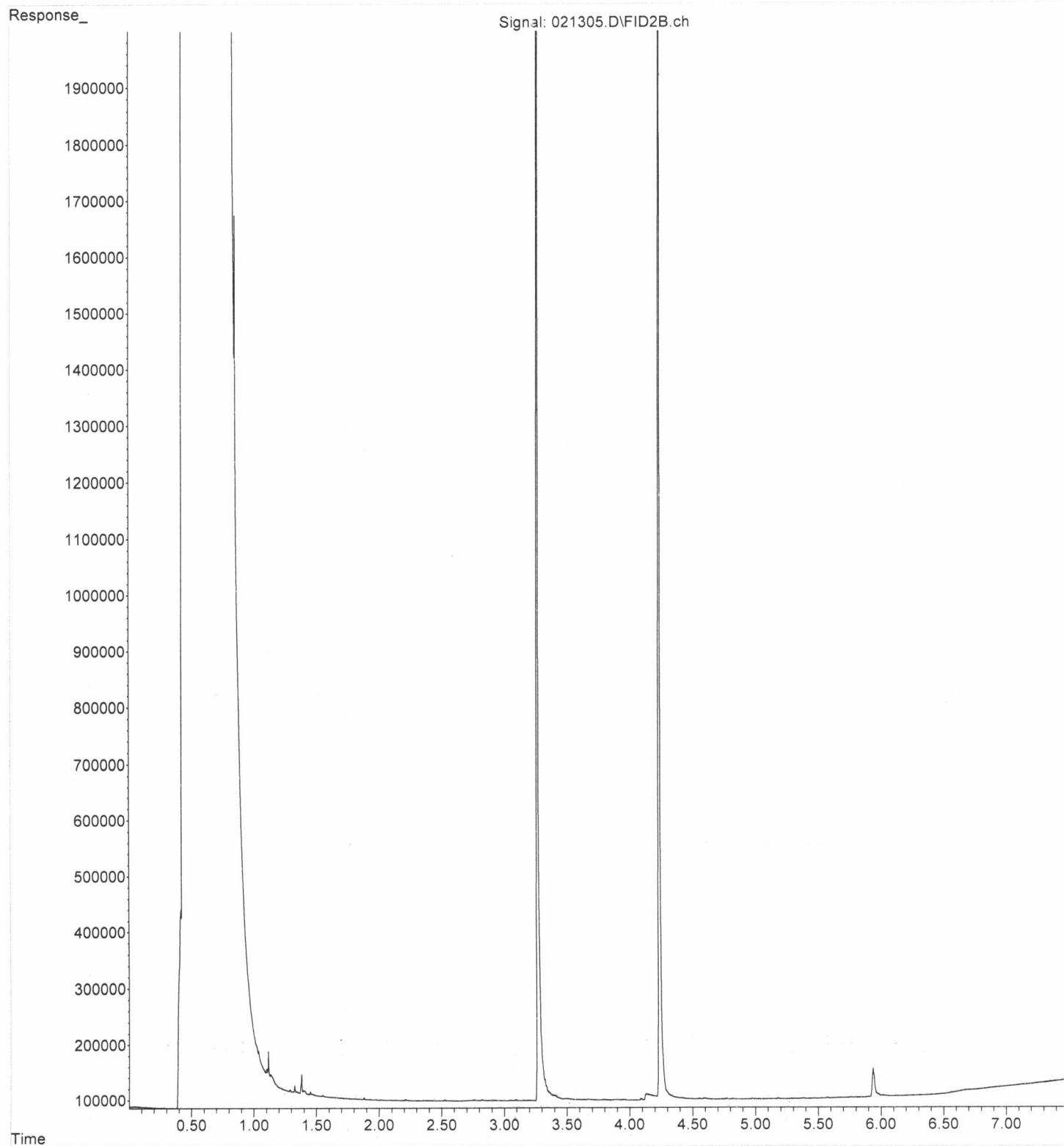
Printed Name _____

Company _____

Date _____ Time _____

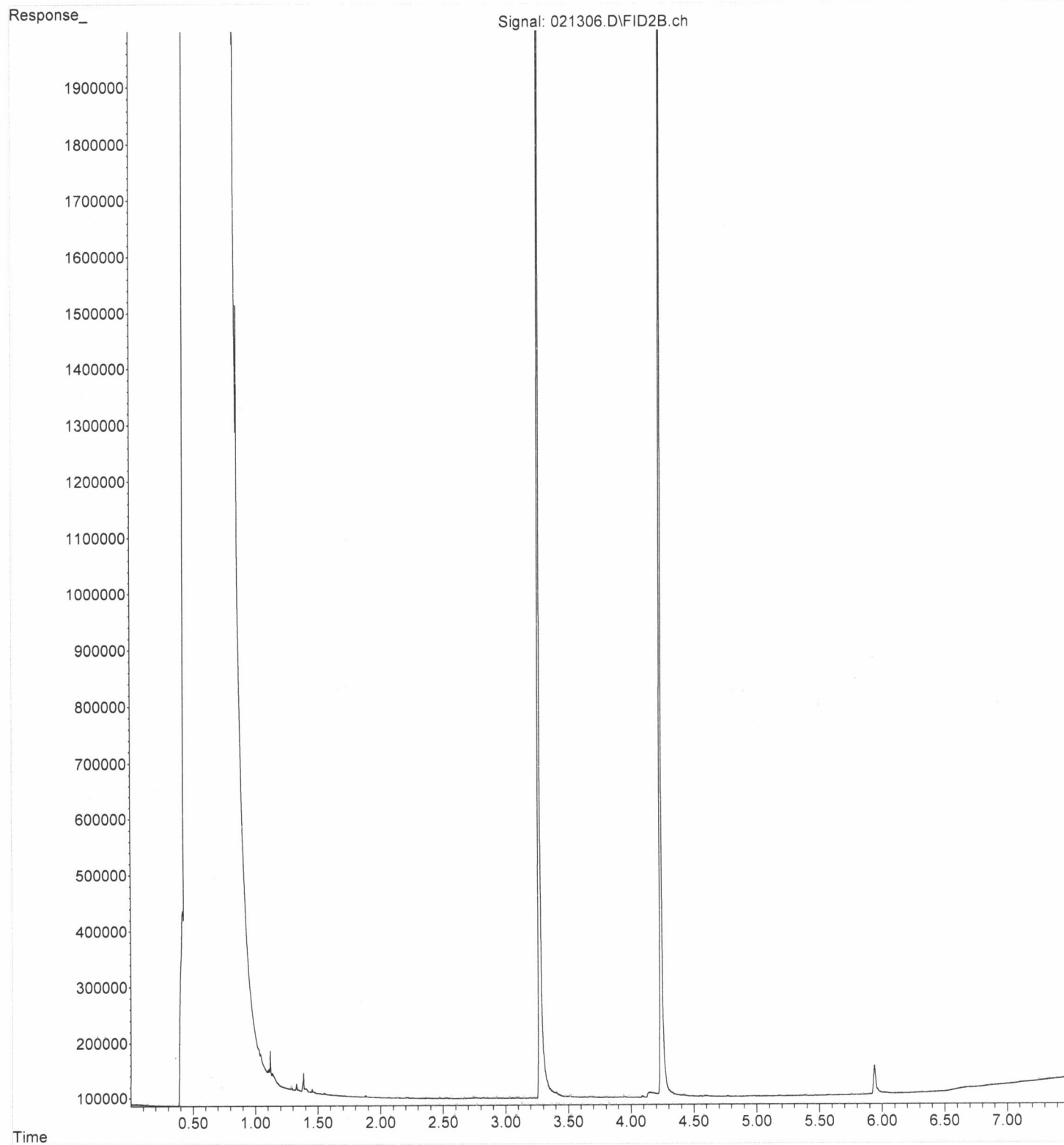
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Operator : TL
Acquired : 13 Feb 2024 09:02 am using AcqMethod Dx.M
Instrument : GC13
Sample Name: 402156-01
Misc Info :
Vial Number: 7

ERR



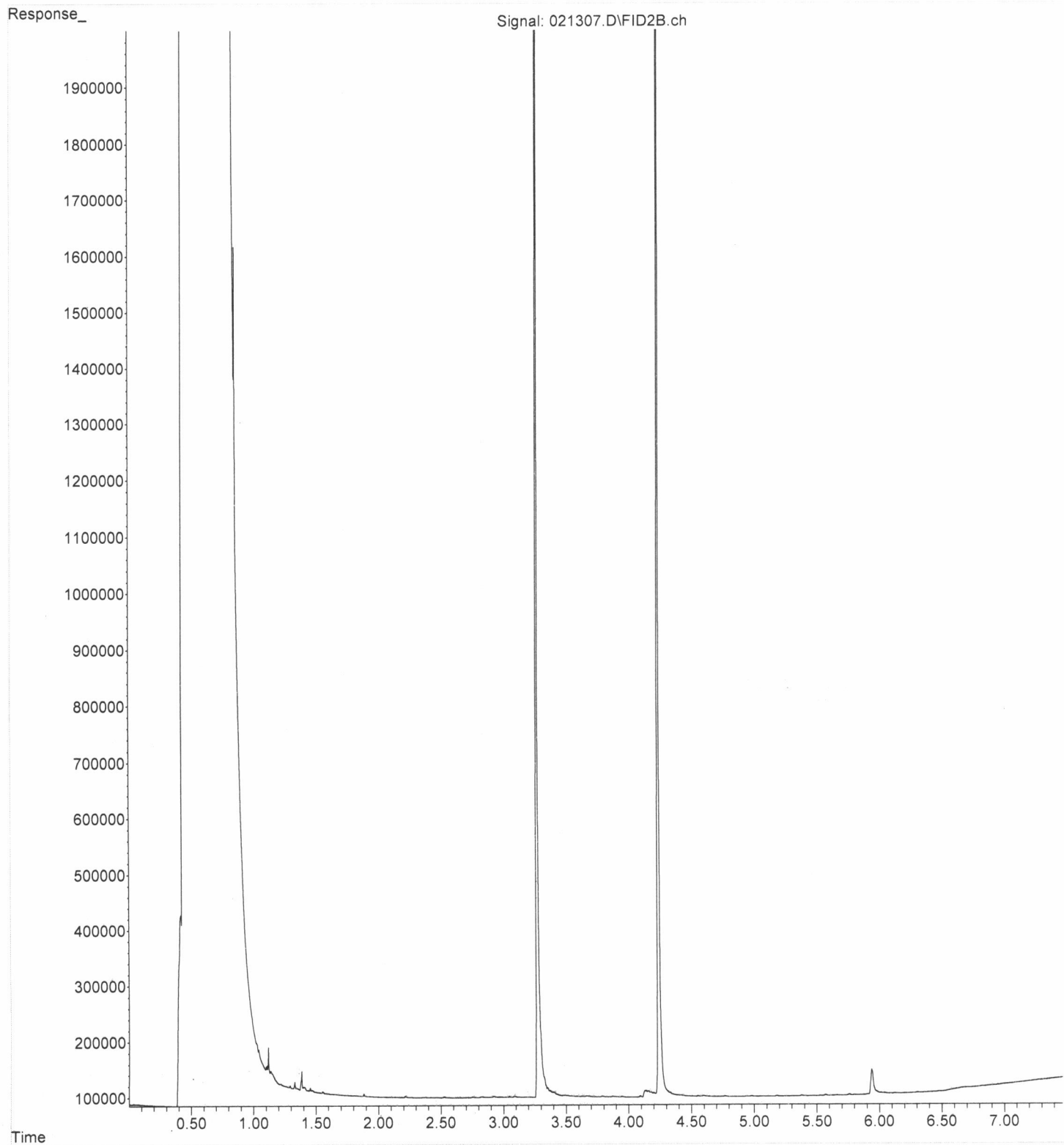
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Instrument : GC13
Sample Name: 402156-02
Misc Info :
Vial Number: 8

ERR



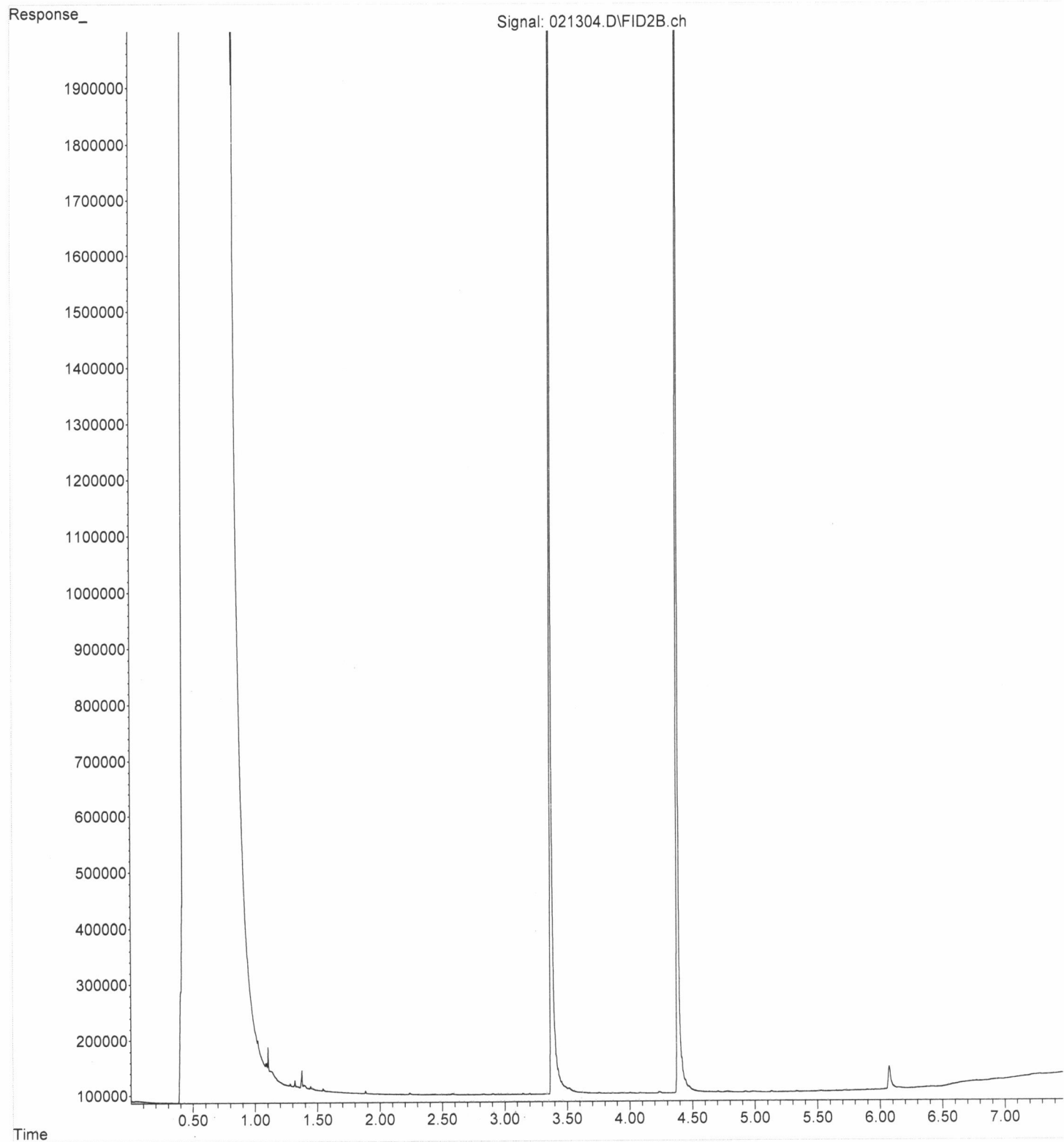
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Instrument : GC13
Sample Name: 402156-03
Misc Info :
Vial Number: 9

ERR



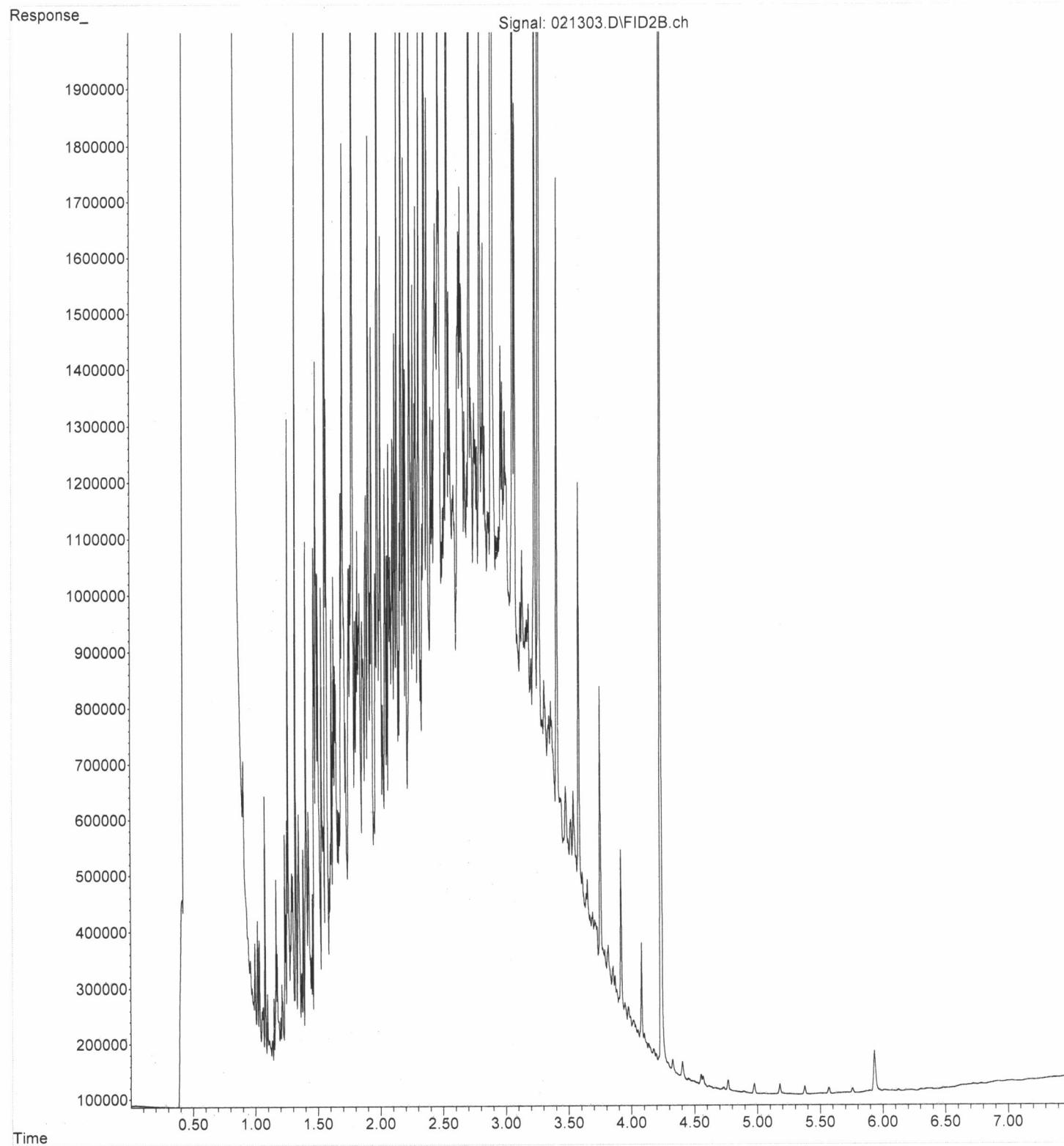
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Operator : TL
Acquired : 13 Feb 2024 08:51 am using AcqMethod Dx.M
Instrument : GC13
Sample Name: 04-341 mb2
Misc Info :
Vial Number: 6

ERR



File :P:\Proc_GC13\02-13-24\021303.D
Operator : TL
Acquired : 13 Feb 2024 08:25 am using AcqMethod Dx.M
Instrument : GC13
Sample Name: 500 Dx 71-40D
Misc Info :
Vial Number: 3

ERR



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 Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

February 27, 2024

Brian O'Neal, Project Manager
Landau Associates, Inc.
155 NE 100th St, Suite 302
Seattle, WA 98125

Dear Mr O'Neal:

Included are the results from the testing of material submitted on February 22, 2024 from the Koz Development Properties 2251001.010.015, F&BI 402324 project. There are 12 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
LDU0227R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2024 by Friedman & Bruya, Inc. from the Landau Associates Koz Development Properties 2251001.010.015, F&BI 402324 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID

402324 -01

Landau Associates

B2-B-18.0'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/27/24

Date Received: 02/22/24

Project: Koz Development Properties 2251001.010.015, F&BI 402324

Date Extracted: 02/22/24

Date Analyzed: 02/22/24

**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)

<u>Sample ID</u>	<u>Gasoline Range</u>	Surrogate (% Recovery)
Laboratory ID		(Limit 58-139)
B2-B-18.0' 402324-01	<5	101
Method Blank 04-230 MB2	<5	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/27/24

Date Received: 02/22/24

Project: Koz Development Properties 2251001.010.015, F&BI 402324

Date Extracted: 02/23/24

Date Analyzed: 02/23/24

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u> <u>(% Recovery)</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(Limit 50-150)
B2-B-18.0' 402324-01	<50	<250	94
Method Blank 04-381 MB2	<50	<250	96

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	B2-B-18.0'	Client:	Landau Associates
Date Received:	02/22/24	Project:	Koz Development Properties
Date Extracted:	02/23/24	Lab ID:	402324-01
Date Analyzed:	02/23/24	Data File:	022307.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	86	114
Toluene-d8	99	86	115
4-Bromofluorobenzene	99	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Properties
Date Extracted:	02/23/24	Lab ID:	04-0384 mb
Date Analyzed:	02/23/24	Data File:	022306.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	86	114
Toluene-d8	96	86	115
4-Bromofluorobenzene	106	83	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	B2-B-18.0'	Client:	Landau Associates
Date Received:	02/22/24	Project:	Koz Development Properties
Date Extracted:	02/23/24	Lab ID:	402324-01 1/5
Date Analyzed:	02/23/24	Data File:	022305.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	75	16	137
2-Fluorobiphenyl	72	46	122
2,4,6-Tribromophenol	67	17	154
Terphenyl-d14	77	31	167

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Landau Associates
Date Received:	Not Applicable	Project:	Koz Development Properties
Date Extracted:	02/22/24	Lab ID:	04-410 mb 1/5
Date Analyzed:	02/23/24	Data File:	022306.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	83	10	198
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	79	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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/27/24

Date Received: 02/22/24

Project: Koz Development Properties 2251001.010.015, F&BI 402324

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

Laboratory Code: 402274-01 (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)	40	95	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/27/24

Date Received: 02/22/24

Project: Koz Development Properties 2251001.010.015, F&BI 402324

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

Laboratory Code: 402300-01 (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	<50	116	118	53-141	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	108	71-126

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/27/24

Date Received: 02/22/24

Project: Koz Development Properties 2251001.010.015, F&BI 402324

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

Laboratory Code: 402324-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	81	85	29-129	5
Toluene	mg/kg (ppm)	2	<0.05	80	84	35-130	5
Ethylbenzene	mg/kg (ppm)	2	<0.05	83	87	32-137	5
m,p-Xylene	mg/kg (ppm)	4	<0.1	83	88	34-136	6
o-Xylene	mg/kg (ppm)	2	<0.05	77	84	33-134	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	89	65-136
Toluene	mg/kg (ppm)	2	87	66-126
Ethylbenzene	mg/kg (ppm)	2	90	64-123
m,p-Xylene	mg/kg (ppm)	4	90	68-128
o-Xylene	mg/kg (ppm)	2	84	67-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/27/24

Date Received: 02/22/24

Project: Koz Development Properties 2251001.010.015, F&BI 402324

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

Laboratory Code: 402326-01 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	77	77	28-125	0
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	84	83	10-192	1
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	81	79	10-163	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	79	82	45-128	4
Acenaphthene	mg/kg (ppm)	0.83	<0.01	77	81	36-125	5
Fluorene	mg/kg (ppm)	0.83	<0.01	82	84	48-121	2
Phenanthrene	mg/kg (ppm)	0.83	<0.01	79	84	46-122	6
Anthracene	mg/kg (ppm)	0.83	<0.01	82	85	30-144	4
Fluoranthene	mg/kg (ppm)	0.83	<0.01	87	90	50-150	3
Pyrene	mg/kg (ppm)	0.83	<0.01	82	83	40-134	1
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	85	85	50-150	0
Chrysene	mg/kg (ppm)	0.83	<0.01	85	86	50-150	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	99	101	50-150	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	93	93	50-150	0
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	98	99	50-150	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	83	92	40-140	10
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	79	87	41-136	10
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	68	77	29-139	12

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	81	57-107
2-Methylnaphthalene	mg/kg (ppm)	0.83	85	63-112
1-Methylnaphthalene	mg/kg (ppm)	0.83	81	63-113
Acenaphthylene	mg/kg (ppm)	0.83	84	70-130
Acenaphthene	mg/kg (ppm)	0.83	82	66-112
Fluorene	mg/kg (ppm)	0.83	85	67-117
Phenanthrene	mg/kg (ppm)	0.83	85	70-130
Anthracene	mg/kg (ppm)	0.83	87	70-130
Fluoranthene	mg/kg (ppm)	0.83	91	70-130
Pyrene	mg/kg (ppm)	0.83	87	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	88	70-130
Chrysene	mg/kg (ppm)	0.83	89	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	101	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	97	67-128
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	99	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	101	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	98	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	92	65-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.



Chain-of-Custody
Record

☒ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178

☐ Spokane (509) 927-9737
☐ Portland (503) 542-1080

Date 2/22/24
Page 1 of 1

Turnaround Time: _____
Standard _____
Accelerated 24 hr/TA

402384

02/22/24

VS-B1 / D1

Project Name Redevelopment Project Project No. 34568, 010-015

Project Location/Event Seattle, WA 2251001 MC

Sampler's Name Kalpana, Prasad

Project Contact Brian O'Neal

Send Results To B. O'Neal, data@landauinc.com

Sample I.D. B2-B-15.0' Date 2/22/24 Time 1200 Matrix Soil No. of Containers 5

DO+ORO (NWTPH-Dx)
GRO (NWTPH-Gx)
BTEX (EPA 8260D)
PAHs (EPA 8210E SIM)

Lab ID
4-E

Testing Parameters

Special Handling Requirements:

Shipment Method: Pickup

Stored on ice: (Yes) / No

Observations/Comments

— Allow water samples to settle, collect aliquot from clear portion ☐

— NWTPH-Dx - Acid wash cleanup ☐

— Silica gel cleanup ☐

— Dissolved metal samples were field filtered

Other _____

Samples received at 4 °C

Relinquished by

Signature

Printed Name Kalpana Prasad

Company Landau Associates

Date 2/22/24 Time 11:10

Received by

Signature

Printed Name VINCENT

Company FB1

Date 2-22-24 Time 12:10

Relinquished by

Signature

Printed Name

Company

Date Time

Received by

Signature

Printed Name

Company

Date Time

Groundwater Sample Collection Forms

Project Name: K02
 Event: GW Dec 2023
 Weather: SL
 Landau Rep.: DSB

Project Number: 2251001.010
 Well ID: PG-1
 Sample ID: PG-1-231212
 Date: 12/12/23 Time: 0940

WELL INFORMATION

Screened Interval: Top (ft): _____ Bottom (ft): _____ Well Secure? ☐ No ☒ Yes Damaged? ☒ No ☐ Yes
 DTW After Cap Opened (ft): 15.74' Time: 0840 Describe: _____
 Static DTW (ft): 15.81 Time: 0855 Flow-Thru Cell Vol.: _____ WQM No.: YSI #4
 Begin Purge (Date/Time): 0908 End Purge (Date/Time): 0941 Gallons Purged: 1.75
 Water Disposal: ☐ 55-gal drum ☒ Storage tank ☐ Ground ☐ Other: _____

PURGE DATA

Cell shading indicating purge stabilization is for informational purposes only.

Time	Temp (°C)	DO (mg/L)	Cond (µS/cm)	pH (S.U)	ORP (mV)	Turbidity (NTU)	DTW (ft)	Purge Vol ±1 flow-thru cell vol.	Comments/ Observations
Stabilization →	± 3%	± 10%	± 3%	± 0.1 units	± 10 mV	± 10%	± 0.00 ft	(Yes/No)	
0911	13.5	4.96	530.7	6.63	247.9	5.44	16.48	Y	
0914	12.9	4.00	520.9	6.60	253.0	5.19	16.56	Y	
0917	12.4	3.61	520.8	6.57	256.3	4.63	16.60	Y	
0920	12.0	2.91	527.7	6.54	259.3	4.31	16.63	Y	
0923	12.1	2.05	538.0	6.51	261.8	4.69	16.80	Y	
0926	12.0	1.85	544.8	6.51	263.5	4.88	16.87	Y	
0929	12.4	1.62	554.9	6.51	265.0	4.89	16.94	Y	
0932	12.4	1.74	557.9	6.51	266.0	4.84	16.98	Y	
0935	12.6	1.64	564.7	6.52	266.1	4.91	17.05	Y	
0938									

Sample Description (turbidity, color, odor, sheen): clear colorless NO/NS Fe 2+ (mg/L): _____

PUMP AND MATERIAL INFORMATION

Collection Method: ☐ Bailor ☒ Pump Type: Peristaltic
 Material: ☐ Stainless Steel ☐ PVC ☐ Teflon ☒ Polyethylene ☐ Other ☐ Dedicated
 Decon Procedure: ☐ Alconox Wash ☐ Tap Rinse ☐ DI Water ☒ Dedicated
☐ Other (describe sequence): _____

CONFIRMATION PARAMETERS (if applicable per Landau Field Manual)

☐ Applicable

Time	Temp (°C)	DO (mg/L)	Cond (µS/cm)	pH (S.U)	ORP (mV)	Turbidity (NTU)	DTW (ft)	Comments/Observations
0941	12.6	1.56	576.5	6.55	267.2	4.86	17.21	

Scheduled Analysis (Circle/Bold Applicable)						Bottle Information	
						Number	Type
Volatiles:	8260	8260 SIM	8021	524	624		
Semivolatiles:	8270	8270 SIM	8011	625			
Petroleum Hydrocarbons:	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx SGC			
Total/Dissolved Metals:	6010	6020	200.7	200.8	7471	<input type="checkbox"/> Field Filtered	
PCBs & Nitroaromatics:	8082	1668	608	8330			
Dioxin-Furans:	1613	8290					
PFAS:	1633	537.1	533	SOP			
Conventionals:	300.0	SM2450C	SM2450D	SM5310C	RSK175		
Other:							

Duplicate or Parent Sample ID: _____

Comments: Tubing Approx 2' Below Water Table

Signature: [Signature]

☐ MS/MSD

Date: 12/12/23

Project Name: K02
 Event: DEC 2023 GW
 Weather: SC
 Landau Rep.: DSB

Project Number: 2251001.010
 Well ID: TP-2
 Sample ID: TP-2-231212
 Date: 12/12/23 Time: 1020

WELL INFORMATION

Screened Interval: Top (ft): _____ Bottom (ft): 17.00 Well Secure? ☐ No ☐ Yes Damaged? ☐ No ☐ Yes
 DTW After Cap Opened (ft): 13.79 Time: 0832 Describe: _____
 Static DTW (ft): 13.79 Time: _____ Flow-Thru Cell Vol.: _____ WQM No.: Turb #4
 Begin Purge (Date/Time): _____ End Purge (Date/Time): _____ Gallons Purged: _____
 Water Disposal: ☐ 55-gal drum ☐ Storage tank ☐ Ground ☐ Other: _____

PURGE DATA

Cell shading indicating purge stabilization is for informational purposes only.

Time	Temp (°C)	DO (mg/L)	Cond (µS/cm)	pH (S.U)	ORP (mV)	Turbidity (NTU)	DTW (ft)	Purge Vol ±1 flow-thru cell vol. (Yes/No)	Comments/ Observations
Stabilization →	± 3%	± 10%	± 3%	± 0.1 units	± 10 mV	± 10%	± 0.00 ft	(Yes/No)	
1015						8.02	13.81		Clear
GTAB									

Sample Description (turbidity, color, odor, sheen): clear, colorless, NO ODS / Petrol like odor Fe 2+ (mg/L): _____

PUMP AND MATERIAL INFORMATION

Collection Method: ☐ Bailer ☒ Pump Type: Peristaltic
 Material: ☐ Stainless Steel ☐ PVC ☐ Teflon ☐ Polyethylene ☐ Other ☐ Dedicated
 Decon Procedure: ☐ Alconox Wash ☐ Tap Rinse ☐ DI Water ☐ Dedicated
☐ Other (describe sequence): clear colorless

CONFIRMATION PARAMETERS (if applicable per Landau Field Manual)

☐ Applicable

Time	Temp (°C)	DO (mg/L)	Cond (µS/cm)	pH (S.U)	ORP (mV)	Turbidity (NTU)	DTW (ft)	Comments/Observations

Scheduled Analysis (Circle/Bold Applicable)						Bottle Information	
						Number	Type
Volatiles:	8260	8260 SIM	8021	524	624		
Semivolatiles:	8270	8270 SIM	8011	625			
Petroleum Hydrocarbons:	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx SGC			
Total/Dissolved Metals:	6010	6020	200.7	200.8	7471	<input type="checkbox"/> Field Filtered	
PCBs & Nitroaromatics:	8082	1668	608	8330			
Dioxin-Furans:	1613	8290					
PFAS:	1633	537.1	533	SOP			
Conventionals:	300.0	SM2450C	SM2450D	SM5310C	RSK175		
Other:							

Duplicate or Parent Sample ID: _____

Comments: GW Grab from Temp well Purge + fill clear

Signature: _____

☐ MS/MSD

Date: 12/12/23

Project Name: k02
 Event: Dec 23 GW
 Weather: SC
 Landau Rep.: DSB

Project Number: 225001.010
 Well ID: TP-4
 Sample ID: TP-4-231212
 Date: 12/12/23 Time: 1050

WELL INFORMATION

Screened Interval: Top (ft): _____ Bottom (ft): 14.65 Well Secure? ☐ No ☐ Yes Damaged? ☐ No ☐ Yes
 DTW After Cap Opened (ft): 10.68 Time: 0835 Describe: _____
 Static DTW (ft): 10.71 Time: _____ Flow-Thru Cell Vol.: _____ WQM No.: _____
 Begin Purge (Date/Time): _____ End Purge (Date/Time): _____ Gallons Purged: 1
 Water Disposal: ☐ 55-gal drum ☐ Storage tank ☐ Ground ☐ Other: _____

PURGE DATA

Cell shading indicating purge stabilization is for informational purposes only.

Time	Temp (°C)	DO (mg/L)	Cond (µS/cm)	pH (S.U)	ORP (mV)	Turbidity (NTU)	DTW (ft)	Purge Vol ±1 flow-thru cell vol. (Yes/No)	Comments/ Observations
Stabilization →	± 3%	± 10%	± 3%	± 0.1 units	± 10 mV	± 10%	± 0.00 ft		
1038						185.7	10.87		Mod Turb L-H tan Petrol odor
1039						134.3	10.84		
1043						65.65	10.92		
1046						24.50	10.93		
1049						9.12	10.97		

Sample Description (turbidity, color, odor, sheen): Clear colorless Petrol like odor / NS Fe 2+ (mg/L):

PUMP AND MATERIAL INFORMATION

Collection Method: ☐ Bailer ☒ Pump Type: Peristaltic
 Material: ☐ Stainless Steel ☐ PVC ☐ Teflon ☐ Polyethylene ☐ Other ☐ Dedicated
 Decon Procedure: ☐ Alconox Wash ☐ Tap Rinse ☐ DI Water ☒ Dedicated
☐ Other (describe sequence): _____

CONFIRMATION PARAMETERS (if applicable per Landau Field Manual)

☐ Applicable

Time	Temp (°C)	DO (mg/L)	Cond (µS/cm)	pH (S.U)	ORP (mV)	Turbidity (NTU)	DTW (ft)	Comments/Observations

Scheduled Analysis (Circle/Bold Applicable)							Bottle Information	
							Number	Type
Volatiles:	8260	8260 SIM	8021	524	624			
Semivolatiles:	8270	8270 SIM	8011	625				
Petroleum Hydrocarbons:	NWTPH-HCID	NWTPH-G	NWTPH-Dx	NWTPH-Dx SGC				
Total/Dissolved Metals:	6010	6020	200.7	200.8	7471	<input type="checkbox"/> Field Filtered		
PCBs & Nitroaromatics:	8082	1668	608	8330				
Dioxin-Furans:	1613	8290						
PFAS:	1633	537.1	533	SOP				
Conventionals:	300.0	SM2450C	SM2450D	SM5310C	RSK175			
Other:								

Duplicate or Parent Sample ID: _____

Comments: Grab sample from temp well Purge till clear ☐ MS/MSD
 Signature: [Signature] Date: 12/12/23

Waste Disposal Documentation



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 1, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	264358/189849	7:49 AM	15.79 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	15.79
2	Silver Streak, Inc. #114	264358/189855	8:54 AM	16.93 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	16.93
3	Silver Streak, Inc. #114	264358/189858	10:00 AM	17.36 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	17.36
4	Silver Streak, Inc. #114	264358/189864	10:59 AM	16.88 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	16.88
5	Silver Streak, Inc. #114	264358/189874	12:00 PM	17.94 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	17.94
6	Silver Streak, Inc. #114	264358/189877	12:50 AM	16.76 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	16.76
7	Silver Streak, Inc. #114	264358/189881	1:45 PM	13.82 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	13.82
8	Silver Streak, Inc. #114	264358/189882	2:42 PM	15.91 ton	Waste Mgmt.	2/1/2024	Class 3 Soil	15.91
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	131.39
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189849

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route . AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO#	Time	Scale	Operator	Inbound	Gross	59560 lb
In	02/01/2024 07:49:56	SCALE 1	lmercer		Tare	27980 lb
Out	02/01/2024 08:00:07	SCALE 1	lmercer		Net	31580 lb
					Tons	15.79

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.79	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.79	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 189855
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	In	Out	Time	Scale	Operator	Inbound	Gross
	02/01/2024	08:54:55		SCALE 1	lmercer		61840 lb*
	02/01/2024	08:54:55			lmercer		27980 lb*
					* Manual Weight		Net 33860 lb
							Tons 16.93

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.93	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.93	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189858

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
In Time 02/01/2024 10:00:27 Scale SCALE 1 Operator Inbound Gross 62700 lb
Out 02/01/2024 10:00:27 lmercer Tare 27980 lb
lmercer Net 34720 lb
Tons 17.36

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.36	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.36	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
WASTE MANAGEMENT
Seattle, WA, 98134

Original
Ticket# 189864
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO#	Time	KOZ	Republican St / 118554WA	Scale	Operator	Inbound	Gross	61740 lb
In	02/01/2024 10:59:01			SCALE 1	lmercer		Tare	27980 lb
Out	02/01/2024 10:59:01				lmercer		Net	33760 lb
							Tons	16.88

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.88	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.88	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
WASTE MANAGEMENT
Seattle, WA, 98134

Reprint
Ticket# 189874
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 63860 lb
In 02/01/2024 12:00:18 SCALE 1 lmercier Tare 27980 lb
Out 02/01/2024 12:00:18 lmercier Net 35880 lb
Tons 17.94

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.94	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.94	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189877
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 61500 lb
In 02/01/2024 12:50:56 SCALE 1 lmercer Tare 27980 lb
Out 02/01/2024 12:50:56 lmercer Net 33520 lb
Tons 16.76

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.76	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.76	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189881

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO#	Time	Scale	Operator	Inbound	Gross	55620 lb
In	02/01/2024 13:45:16	SCALE 1	lmercer		Tare	27980 lb
Out	02/01/2024 13:45:16		lmercer		Net	27640 lb
					Tons	13.82

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	13.82	Tons				KING
2 GONDOLA T-GONDOLA TON	100	13.82	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
701 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Ph: 206 763 5025

Original
Ticket# 189882

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/01/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/01/2024 14:42:28	SCALE 1	lmercer		Tare	59800 lb
Out	02/01/2024 14:42:28		lmercer		Net	27980 lb
					Tons	31820 lb
						15.91

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.91	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.91	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 2, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	222551/189890	8:15 AM	13.32 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	13.32
2	Silver Streak, Inc. #114	222551/189894	9:22 AM	15.23 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	15.23
3	Silver Streak, Inc. #114	222551/189898	10:12 AM	17.94 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	17.94
4	Silver Streak, Inc. #114	222551/189903	11:00 AM	18.26 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	18.26
5	Silver Streak, Inc. #114	222551/189910	11:54 AM	13.47 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	13.47
6	Silver Streak, Inc. #114	222551/189919	12:57 PM	15.62 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	15.62
7	Silver Streak, Inc. #114	222551/189926	1:55 PM	17.18 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	17.18 111.02
8	Silver Streak, Inc. #169	264915/189889	8:12 AM	12.34 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	12.34
9	Silver Streak, Inc. #169	264915/189893	9:12 AM	16.64 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	16.64
10	Silver Streak, Inc. #169	264915/189897	10:00 AM	16.58 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	16.58
11	Silver Streak, Inc. #169	264915/189901	10:52 AM	17.24 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	17.24
12	Silver Streak, Inc. #169	264915/189908	11:47 AM	16.80 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	16.80
13	Silver Streak, Inc. #169	264915/189917	12:52 PM	17.76 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	17.76
14	Silver Streak, Inc. #169	264915/189924	1:45 PM	16.73 ton	Waste Mgmt.	2/2/2024	Class 3 Soil	16.73 114.09
15								
16								
17								
18					Class 3 Soil		Total Tons	225.11
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Ph: 206 763 5025

Reprint
Ticket# 189890

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARSHALL DAY
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 54620 lb
In 02/02/2024 08:15:19 SCALE 1 galtheim Tare 27980 lb
Out 02/02/2024 08:15:19 galtheim Net 26640 lb
Tons 13.32

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	13.32	Tons				KING
2 GONDOLA T-GONDOLA TON	100	13.32	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Ph: 206 763 5025

Original
Ticket# 189894

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 58440 lb
In 02/02/2024 09:22:25 SCALE 1 galtheim Tare 27980 lb
Out 02/02/2024 09:22:25 galtheim Net 30460 lb
Tons 15.23

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
---------	-----	-----	-----	------	-----	--------	--------



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189898

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
In Time 02/02/2024 10:12:26 Scale 1 Operator galtheim Inbound Gross 63860 lb
Out 02/02/2024 10:12:26 Scale 1 galtheim Tare 27980 lb
Net 35880 lb
Tons 17.94

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.94	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.94	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189903

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
In Time 02/02/2024 11:00:25 Scale 1 Operator galtheim Inbound Gross 64500 lb
Out 02/02/2024 11:00:25 Scale 1 galtheim Tare 27980 lb
Net 36520 lb
Tons 18.26

Comments SS-GA



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189910
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/02/2024 11:54:41	SCALE 1	galtheim		Tare	55980 lb
Out	02/02/2024 11:54:41		galtheim		Net	29040 lb
					Tons	26940 lb
						13.47

Comments SS-GA REPLACEMENT TICKET FOR TICKET Nbr 189909

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	13.47	Tons				KING
2 GONDOLA T-GONDOLA TON	100	13.47	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189919
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/02/2024 12:57:54	SCALE 1	galtheim		Tare	59220 lb
Out	02/02/2024 12:57:54		galtheim		Net	27980 lb
					Tons	31240 lb
						15.62

Comments SS-GA

WM
Alaska Street
70 S. Alaska Street
Seattle, WA, 98134
WASTE MANAGEMENT

Original
Ticket# 189926
Ph: 206 763 5025

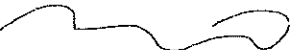
Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 62340 lb
In 02/02/2024 13:55:52 SCALE 1 galtheim Tare 27980 lb
Out 02/02/2024 13:55:52 galtheim Net 34360 lb
Tons 17.18

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.18	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.18	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature 



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189889

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS169 Volume
Payment Type Credit Account Container
Manual Ticket# Driver CODY FLODIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/02/2024 08:12:55	SCALE 1	galtheim		Tare	53720 lb
Out	02/02/2024 08:18:30	SCALE 1	galtheim		Net	29040 lb
					Tons	24680 lb
						12.34

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	12.34	Tons				KING
2 GONDOLA T-GONDOLA TON	100	12.34	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189893

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS169S Volume
Payment Type Credit Account Container
Manual Ticket# Driver CHRIS GALLEGOS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/02/2024 09:12:02	SCALE 1	galtheim		Tare	62320 lb
Out	02/02/2024 09:12:02		galtheim		Net	29040 lb
					Tons	33280 lb
						16.64

Comments SS-GA



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189897

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS169S Volume
Payment Type Credit Account Container
Manual Ticket# Driver CHRIS GALLEGOS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	In	Time	Scale	Operator	Inbound	Gross	
	02/02/2024	10:00:59	SCALE 1	galtheim		62200 lb	
	02/02/2024	10:00:59		galtheim		Tare 29040 lb	
						Net 33160 lb	
						Tons 16.58	

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.58	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.58	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189901

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS169S Volume
Payment Type Credit Account Container
Manual Ticket# Driver CHRIS GALLEGOS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	In	Time	Scale	Operator	Inbound	Gross	
	02/02/2024	10:52:11	SCALE 1	galtheim		63520 lb	
	02/02/2024	10:52:11		galtheim		Tare 29040 lb	
						Net 34480 lb	
						Tons 17.24	

Comments SS-GA



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189908
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS169S Volume
Payment Type Credit Account Container
Manual Ticket# Driver CHRIS GALLEGOS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 62640 lb
In 02/02/2024 11:47:58 SCALE 1 galtheim Tare 29040 lb
Out 02/02/2024 11:47:58 galtheim Net 33600 lb
Tons 16.80
Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.80	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.80	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189917
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/02/2024 Vehicle# SS169S Volume
Payment Type Credit Account Container
Manual Ticket# Driver CHRIS GALLEGOS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 64560 lb
In 02/02/2024 12:52:41 SCALE 1 galtheim Tare 29040 lb
Out 02/02/2024 12:52:41 galtheim Net 35520 lb
Tons 17.76
Comments SS-GA

Product



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189924

Customer Name WYSER CONSTRUCTION WYSER CONS
Ticket Date 02/02/2024
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# KOZ REPUBLICAN ST/118554WA

Carrier SELF HAULER *
Vehicle# SS169S
Container
Driver CHRIS GALLEGOS
Check#
Billing# 0000188
Grid

Volume

In Time 02/02/2024 13:45:21 Scale
Out 02/02/2024 13:45:21 SCALE 1

Operator
galtheim
galtheim

Inbound

Gross
Tare
Net
Tons

62500 lb
29040 lb
33460 lb
16.73

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.73	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.73	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 6, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	264360/189952	8:01 AM	15.21 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	15.21
2	Silver Streak, Inc. #114	264360/189955	9:13 AM	16.01 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	16.01
3	Silver Streak, Inc. #114	264360/189957	10:10 AM	14.75 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	14.75
4	Silver Streak, Inc. #114	264360/189958	11:03 AM	15.85 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	15.85
5	Silver Streak, Inc. #114	264360/189963	11:55 AM	14.21 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	14.21
6	Silver Streak, Inc. #114	264360/189969	12:53 PM	16.89 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	16.89
7	Silver Streak, Inc. #114	264360/189972	1:43 PM	14.82 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	14.82
8	Silver Streak, Inc. #114	264360/189973	2:37 PM	15.51 ton	Waste Mgmt.	2/6/2024	Class 3 Soil	15.51
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	123.25
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189952

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 58400 lb
In 02/06/2024 08:01:15 SCALE 1 lmercer Tare 27980 lb
Out 02/06/2024 08:01:15 lmercer Net 30420 lb
Tons 15.21

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.21	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.21	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189955

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross
In 02/06/2024 09:13:03 SCALE 1 lmercer Tare 60000 lb
Out 02/06/2024 09:13:03 lmercer Net 27980 lb
Tons 32020 lb
16.01

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.01	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.01	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189957

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 57480 lb
In 02/06/2024 10:10:23 SCALE 1 lmercer Tare 27980 lb
Out 02/06/2024 10:10:23 lmercer Net 29500 lb
Tons 14.75

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.75	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.75	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189958

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/06/2024 11:03:37	SCALE 1	lmercer		Tare	59680 lb
Out	02/06/2024 11:03:37		lmercer		Net	27980 lb
					Tons	31700 lb
						15.85

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.85	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.85	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189963

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross
In	02/06/2024 11:55:37	SCALE 1	lmercer		56400 lb
Out	02/06/2024 11:55:37		lmercer		27980 lb
					Net 28420 lb
					Tons 14.21

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.21	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.21	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature

PL



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189969

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	61760 lb
In	02/06/2024 12:53:13	SCALE 1	lmercer		Tare	27980 lb
Out	02/06/2024 12:53:13		lmercer		Net	33780 lb
					Tons	16.89

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.89	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.89	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189972

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/06/2024 13:43:06	SCALE 1	lmercer		Tare	57620 lb
Out	02/06/2024 13:43:06		lmercer		Net	27980 lb
					Tons	29640 lb
						14.82

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.82	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.82	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189973

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/06/2024 Vehicle# SS114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN AMADOR
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO#	Time	Scale	Operator	Inbound	Gross	
In	02/06/2024 14:37:37	SCALE 1	lmercer		Tare	59000 lb
Out	02/06/2024 14:37:37		lmercer		Net	27980 lb
					Tons	31020 lb
						15.51

Comments SLVR STRK - LM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.51	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.51	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 8, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	264362/189997	7:55 AM	17.10 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	17.10
2	Silver Streak, Inc. #114	264362/190000	9:02 AM	19.25 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	19.25
3	Silver Streak, Inc. #114	264362/190008	10:10 AM	18.81 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	18.81
4	Silver Streak, Inc. #114	264362/190013	11:03 AM	17.70 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	17.70
5	Silver Streak, Inc. #114	264362/190019	11:57 AM	17.71 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	17.71
6	Silver Streak, Inc. #114	264362/190023	1:06 PM	17.55 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	17.55
7	Silver Streak, Inc. #114	264362/190028	1:56 PM	17.14 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	17.14
8	Silver Streak, Inc. #114	264362/190029	2:58 PM	18.95 ton	Waste Mgmt.	2/8/2024	Class 3 Soil	18.95
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	144.21
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189997

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 62200 lb
In 02/08/2024 07:55:03 SCALE 1 galtheim Tare 28000 lb
Out 02/08/2024 07:55:03 galtheim Net 34200 lb
Tons 17.10

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.10	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.10	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190000

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
In Time 02/08/2024 09:02:25 Scale Operator Inbound Gross 66500 lb
Out 02/08/2024 09:02:25 SCALE 1 galtheim Tare 28000 lb
Net 38500 lb
Tons 19.25

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	19.25	Tons				KING
2 GONDOLA T-GONDOLA TON	100	19.25	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190008

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time Scale Operator Inbound Gross
02/08/2024 10:10:27 SCALE 1 galtheim Tare
Out 02/08/2024 10:10:27 galtheim Net
Tons 18.81

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.81	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.81	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190013

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO#	Time	Scale	Operator	Inbound	Gross	
			galtheim		Tare	63400 lb
In 02/08/2024 11:03:06	SCALE 1		galtheim		Net	28000 lb
Out 02/08/2024 11:03:06					Tons	35400 lb
						17.70

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.70	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.70	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Reprint
Ticket# 190019
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PQ#	Time	Scale	Operator	Inbound	Gross	
In	02/08/2024 11:57:51	SCALE 1	galtheim		Tare	63420 lb
Out	02/08/2024 11:57:51		galtheim		Net	28000 lb
					Tons	35420 lb
						17.71

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.71	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.71	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190023

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO#	Time	Scale	Operator	Inbound	Gross	63100 lb
In	02/08/2024 13:06:38	SCALE 1	galtheim		Tare	28000 lb
Out	02/08/2024 13:06:38		galtheim		Net	35100 lb
					Tons	17.55

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.55	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.55	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190028

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	In	Time	Scale	Operator	Inbound	Gross	62280 lb
	02/08/2024	13:56:20	SCALE 1	galtheim		Tare	28000 lb
	02/08/2024	13:56:20		galtheim		Net	34280 lb
						Tons	17.14

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.14	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.14	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190029

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/08/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross
In	02/08/2024 14:58:41	SCALE 1	galtheim		65900 lb
Out	02/08/2024 14:58:41		galtheim		28000 lb
					Net 37900 lb
					Tons 18.95

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.95	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.95	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 13, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	264365/190070	8:00 AM	16.31 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	16.31
2	Silver Streak, Inc. #114	264365/190072	8:56 AM	16.53 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	16.53
3	Silver Streak, Inc. #114	264365/190075	9:55 AM	16.08 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	16.08
4	Silver Streak, Inc. #114	264365/190081	10:47 AM	17.25 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	17.25
5	Silver Streak, Inc. #114	264365/190084	11:39 AM	18.31 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	18.31
6	Silver Streak, Inc. #114	264365/190087	12:32 PM	18.07 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	18.07
7	Silver Streak, Inc. #114	264365/190091	1:18 PM	18.06 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	18.06
8	Silver Streak, Inc. #114	264365/190095	2:09 PM	18.46 ton	Waste Mgmt.	2/13/2024	Class 3 Soil	18.46
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	139.07
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190070

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/13/2024 08:00:36	SCALE 1	galtheim		Tare	60620 lb
Out	02/13/2024 08:00:36		galtheim		Net	28000 lb
					Tons	32620 lb
						16.31

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.31	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.31	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190072

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/13/2024 08:56:30 Scale Operator Inbound Gross 61060 lb
Out 02/13/2024 08:56:30 SCALE 1 galtheim Tare 28000 lb
galtheim Net 33060 lb
Tons 16.53

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.53	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.53	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 190075
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/13/2024 09:55:11	SCALE 1	galtheim		Tare	60160 lb
Out	02/13/2024 09:55:11		galtheim		Net	28000 lb
					Tons	32160 lb
						16.08

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.08	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.08	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 190081
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 62500 lb
In 02/13/2024 10:47:38 SCALE 1 galtheim Tare 28000 lb
Out 02/13/2024 10:47:38 galtheim Net 34500 lb
Tons 17.25
Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.25	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.25	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 190084
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
In Time 02/13/2024 11:39:22 Scale 1 Operator galtheim Inbound Gross 64620 lb
Out 02/13/2024 11:39:22 SCALE 1 galtheim Tare 28000 lb
Net 36620 lb
Tons 18.31

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.31	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.31	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190087

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
In Time 02/13/2024 12:32:04 Scale Operator Inbound Gross 64140 lb
Out 02/13/2024 12:32:04 SCALE 1 galtheim Tare 28000 lb
Net 36140 lb
Tons 18.07

Comments S-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.07	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.07	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190091

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
In 02/13/2024 13:18:36 Scale Operator Inbound Gross 64120 lb
Out 02/13/2024 13:18:36 SCALE 1 galtheim Tare 28000 lb
Net 36120 lb
Tons 18.06

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.06	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.06	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190095

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/13/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/13/2024 14:09:28	SCALE 1	galtheim		Tare	64920 lb
Out	02/13/2024 14:09:28		galtheim		Net	28000 lb
					Tons	36920 lb
Comments	SS-GA					18.46

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.46	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.46	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 14, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	264366/190097	7:19 AM	15.22 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	15.22
2	Silver Streak, Inc. #114	264366/190101	8:20 AM	17.00 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.00
3	Silver Streak, Inc. #114	264366/190104	9:23 AM	17.69 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.69
4	Silver Streak, Inc. #114	264366/190109	10:23 AM	17.53 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.53
5	Silver Streak, Inc. #114	264366/190114	11:23 AM	17.63 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.63
6	Silver Streak, Inc. #114	264366/190116	12:18 PM	17.93 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.93
7	Silver Streak, Inc. #114	264366/190119	1:12 PM	17.40 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.40
8	Silver Streak, Inc. #114	264366/190120	2:05 PM	17.70 ton	Waste Mgmt.	2/14/2024	Class 3 Soil	17.70
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	138.10
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190097

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/14/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/14/2024 07:19:00	SCALE 1	GALTHEIM		Tare	58440 lb
Out	02/14/2024 07:19:00		GALTHEIM		Net	28000 lb
					Tons	30440 lb
						15.22

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.22	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.22	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Original
Ticket# 190101

Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/14/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/14/2024 08:20:36 Scale Operator Inbound Gross 62000 lb
Out 02/14/2024 08:20:36 SCALE 1 GALTHEIM Tare 28000 lb
GALTHEIM Net 34000 lb
Tons 17.00
Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.00	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.00	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190104

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/14/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/14/2024 09:23:31	SCALE 1	GALTHEIM		Tare	63380 lb
Out	02/14/2024 09:23:31		GALTHEIM		Net	28000 lb
					Tons	35380 lb
						17.69

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.69	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.69	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190109

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/14/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/14/2024 10:23:38	SCALE 1	GALTHEIM		Tare	63060 lb
Out	02/14/2024 10:23:38		GALTHEIM		Net	28000 lb
					Tons	35060 lb
						17.53

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.53	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.53	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190114

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/14/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/14/2024 11:23:53	SCALE 1	GALTHEIM		Tare	63260 lb
Out	02/14/2024 11:23:53		GALTHEIM		Net	28000 lb
					Tons	35260 lb
						17.63

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.63	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.63	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190116

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/14/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	Time	Scale	Operator	Inbound	Gross	
In	02/14/2024 12:18:12	SCALE 1	GALTHEIM		63860 lb	
Out	02/14/2024 12:18:12		GALTHEIM		28000 lb	
					Net	35860 lb
					Tons	17.93

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.93	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.93	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190119

Customer Name WYSER CONSTRUCTION WYSER CONS
Ticket Date 02/14/2024
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# KOZ REPUBLICAN ST/118554WA
Time Scale
In 02/14/2024 13:12:14 SCALE 1
Out 02/14/2024 13:12:14
Comments SS-GA

Carrier SELF HAULER *
Vehicle# 114S
Container
Driver MARTIN
Check#
Billing# 0000188
Grid

Volume

Operator Inbound Gross 62800 lb
GALTHEIM Tare 28000 lb
GALTHEIM Net 34800 lb
Tons 17.40

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.40	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.40	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190120

Customer Name WYSER CONSTRUCTION WYSER CONS
Ticket Date 02/14/2024
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# KOZ REPUBLICAN ST/118554WA

Carrier SELF HAULER *
Vehicle# 114S
Container
Driver MARTIN
Check#
Billing# 0000188
Grid

Volume

In 02/14/2024 14:05:49
Out 02/14/2024 14:05:49

Operator
GALTHEIM
GALTHEIM

Inbound Gross 63400 lb
Tare 28000 lb
Net 35400 lb
Tons 17.70

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.70	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.70	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature

Don't



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 20, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Wyser Construction	5872/190182	8:40 AM	20.07 ton	Waste Mgmt.	2/20/2024	Class 3 Soil	20.07
2	Wyser Construction	5872/190184	9:31 AM	18.17 ton	Waste Mgmt.	2/20/2024	Class 3 Soil	18.17
3	Wyser Construction	5872/190188	10:21 AM	19.20 ton	Waste Mgmt.	2/20/2024	Class 3 Soil	19.20
4	Wyser Construction	5872/190190	11:17 AM	17.56 ton	Waste Mgmt.	2/20/2024	Class 3 Soil	17.56
5	Wyser Construction	5872/190193	12:00 PM	18.30 ton	Waste Mgmt.	2/20/2024	Class 3 Soil	18.30
6	Wyser Construction	5872/190196	12:42 PM	18.37 ton	Waste Mgmt.	2/20/2024	Class 3 Soil	18.37
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	111.67
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 190182
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/20/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	In	Time	Scale	Operator	Inbound	Gross	
	02/20/2024	08:40:46	SCALE 1	galtheim		68960 lb	
	02/20/2024	08:40:46		galtheim		28820 lb	
						40140 lb	
						20.07	

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	20.07	Tons				KING
2 GONDOLA T-GONDOLA TON	100	20.07	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Original
Ticket# 190184
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/20/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	In	Time	Scale	Operator	Inbound	Gross	
	02/20/2024	09:31:21	SCALE 1	galtheim		65160 lb	
Out	02/20/2024	09:31:21		galtheim		28820 lb	
						Net	36340 lb
						Tons	18.17

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.17	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.17	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 190188
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/20/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	In	Time	Scale	Operator	Inbound	Gross	67220 lb
	02/20/2024	10:21:46	SCALE 1	galtheim		Tare	28820 lb
	02/20/2024	10:21:46		galtheim		Net	38400 lb
						Tons	19.20

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	19.20	Tons				KING
2 GONDOLA T-GONDOLA TON	100	19.20	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Ph: 206 763 5025

Reprint
Ticket# 190190

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/20/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/20/2024 11:17:51	SCALE 1	galtheim		Tare	63940 lb
Out	02/20/2024 11:17:51		galtheim		Net	28820 lb
					Tons	35120 lb
						17.56

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.56	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.56	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 190193
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/20/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA

	In	Time	Scale	Operator	Inbound	Gross	
	02/20/2024	12:00:55	SCALE 1	galtheim		65420 lb	
	Out	02/20/2024	12:00:55	galtheim		28820 lb	
						Net	36600 lb
						Tons	18.30

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.30	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.30	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 190196
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/20/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 65560 lb
In 02/20/2024 12:42:18 SCALE 1 galtheim Tare 28820 lb
Out 02/20/2024 12:42:18 galtheim Net 36740 lb
Tons 18.37

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.37	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.37	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 22, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak #114	264372/190219	8:02 AM	16.98 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	16.98
2	Silver Streak #114	264372/190223	9:40 AM	16.19 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	16.19
3	Silver Streak #114	264372/190227	10:48 AM	16.86 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	16.86
4	Silver Streak #114	264372/190230	11:56 AM	14.25 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	14.25
5	Silver Streak #114	264372/190234	1:08 PM	17.57 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	17.57
6	Silver Streak #114	264372/190238	2:31 PM	16.74 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	16.74
7								
8	Silver Streak #219	270607/190220	8:04 AM	19.89 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	19.89
9	Silver Streak #219	270607/190224	9:48 AM	20.89 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	20.89
10	Silver Streak #219	270607/190228	10:56 AM	20.21 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	20.21
11	Silver Streak #219	270607/190231	12:00 PM	19.82 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	19.82
12	Silver Streak #219	270607/190235	1:10 PM	19.89 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	19.89
13	Silver Streak #219	270607/190239	2:36 PM	20.38 ton	Waste Mgmt.	2/22/2024	Class 3 Soil	20.38
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	219.67
19								
20								
21								
22								
23								



Reprint
Ticket# 190219
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 08:02:41 Scale Operator Inbound Gross 61960 lb
Out 02/22/2024 08:02:41 SCALE 1 galtheim Tare 28000 lb
galtheim Net 33960 lb
Tons 16.98

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.98	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.98	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Reprint
Ticket# 190223
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 09:40:22 Scale Operator Inbound Gross 60380 lb
Out 02/22/2024 09:40:22 SCALE 1 galtheim Tare 28000 lb
galtheim Net 32380 lb
Tons 16.19

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.19	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.19	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190227

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 10:48:17 Scale Operator Inbound Gross 61720 lb
Out 02/22/2024 10:48:17 SCALE 1 galtheim Tare 28000 lb
galtheim Net 33720 lb
Tons 16.86

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.86	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.86	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190230

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 11:56:20 Scale Operator Inbound Gross 56500 lb
Out 02/22/2024 11:56:20 SCALE 1 galtheim Tare 28000 lb
galtheim Net 28500 lb
Tons 14.25

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.25	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.25	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190234

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 13:08:17 Scale Operator Inbound Gross 63140 lb
Out 02/22/2024 13:08:17 SCALE 1 galtheim Tare 28000 lb
galtheim Net 35140 lb
Tons 17.57

Comments SS=GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.57	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.57	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190238

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 14:31:20 Scale Operator Inbound Gross 61480 lb
Out 02/22/2024 14:31:20 SCALE 1 galtheim Tare 28000 lb
galtheim Net 33480 lb
Tons 16.74

Comments SS=GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.74	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.74	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190220

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# SS219 Volume
Payment Type Credit Account Container
Manual Ticket# Driver PHIL MUASAU
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 08:04:25 Scale 1 Operator galtheim Inbound Gross 69760 lb
Out 02/22/2024 08:04:25 galtheim Tare 29980 lb
Net 39780 lb
Tons 19.89

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	19.89	Tons				KING
2 GONDOLA T-GONDOLA TON	100	19.89	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190224

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# SS219 Volume
Payment Type Credit Account Container
Manual Ticket# Driver PHIL MUASAU
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ REPUBLICAN ST/118554WA
In Time 02/22/2024 09:48:22 Scale 1 Operator galtheim Inbound Gross 71760 lb
Out 02/22/2024 09:48:22 galtheim Tare 29980 lb
Net 41780 lb
Tons 20.89

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	20.89	Tons				KING
2 GONDOLA T-GONDOLA TON	100	20.89	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190228

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# SS219 Volume
Payment Type Credit Account Container
Manual Ticket# Driver PHIL MUASAU
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In 02/22/2024 10:56:00 Scale Operator Inbound Gross 70400 lb
Out 02/22/2024 10:56:00 SCALE 1 galtheim Tare 29980 lb
galtheim Net 40420 lb
Tons 20.21

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	20.21	Tons				KING
2 GONDOLA T-GONDOLA TON	100	20.21	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190231

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# SS219 Volume
Payment Type Credit Account Container
Manual Ticket# Driver PHIL MUASAU
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In 02/22/2024 12:00:48 Scale Operator Inbound Gross 69620 lb
Out 02/22/2024 12:00:48 SCALE 1 galtheim Tare 29980 lb
galtheim Net 39640 lb
Tons 19.82

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	19.82	Tons				KING
2 GONDOLA T-GONDOLA TON	100	19.82	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING



Alaska Street
701 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190235

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# SS219 Volume
Payment Type Credit Account Container
Manual Ticket# Driver PHIL MUASAU
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In 02/22/2024 13:10:51 Scale Operator Inbound Gross 69760 lb
Out 02/22/2024 13:10:51 galtheim Tare 29980 lb
galtheim Net 39780 lb
Tons 19.89

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	19.89	Tons				KING
2 GONDOLA T-GONDOLA TON	100	19.89	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature

PHU



Alaska Street
701 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190239

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/22/2024 Vehicle# SS219 Volume
Payment Type Credit Account Container
Manual Ticket# Driver PHIL MUASAU
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In 02/22/2024 14:36:39 Scale Operator Inbound Gross 70740 lb
Out 02/22/2024 14:36:39 galtheim Tare 29980 lb
galtheim Net 40760 lb
Tons 20.38

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	20.38	Tons				KING
2 GONDOLA T-GONDOLA TON	100	20.38	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: February 23, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak #114	264373/190241	7:47 AM	16.69 ton	Waste Mgmt.	2/23/2024	Class 3 Soil	16.69
2	Silver Streak #114	264373/190249	9:51 AM	16.30 ton	Waste Mgmt.	2/23/2024	Class 3 Soil	16.30
3								
4	Silver Streak #187	264420/190242	7:48 AM	16.98 ton	Waste Mgmt.	2/23/2024	Class 3 Soil	16.98
5	Silver Streak #187	264420/190247	9:05 AM	18.17 ton	Waste Mgmt.	2/23/2024	Class 3 Soil	18.17
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	68.14
19								
20								
21								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 190241
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/23/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 61380 lb
In 02/23/2024 07:47:07 SCALE 1 GALTHEIM Tare 28000 lb
Out 02/23/2024 07:47:07 GALTHEIM Net 33380 lb
Tons 16.69

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.69	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.69	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature

WGA



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 190249
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/23/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
Time Scale Operator Inbound Gross 60600 lb
In 02/23/2024 09:51:50 SCALE 1 GALTHEIM Tare 28000 lb
Out 02/23/2024 09:51:50 GALTHEIM Net 32600 lb
Tons 16.30

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.30	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.30	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				



Alaska Street
70 S, Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 190242

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/23/2024 Vehicle# SS187 Volume
Payment Type Credit Account Container
Manual Ticket# Driver RANDY
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In 02/23/2024 07:48:47 SCALE 1 Operator Inbound Gross 62540 lb
Out 02/23/2024 07:55:51 SCALE 1 GALTHEIM Tare 28580 lb
GALTHEIM Net 33960 lb
Tons 16.98

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.98	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.98	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature

Randy



Alaska Street
70 S, Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 190247

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 02/23/2024 Vehicle# SS187 Volume
Payment Type Credit Account Container
Manual Ticket# Driver RANDY
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ REPUBLICAN ST/118554WA
In 02/23/2024 09:05:57 SCALE 1 Operator Inbound Gross 64920 lb*
Out 02/23/2024 09:05:57 SCALE 1 GALTHEIM Tare 28580 lb*
GALTHEIM Net 36340 lb
* Manual Weight Tons 18.17

Comments SS-GA
WYSER

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.17	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.17	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: January 23, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Wyser Construction	5819/189614	7:50 AM	18.32 ton	Waste Mgmt.	1/23/2024	Class 3 Soil	18.32
2	Wyser Construction	5819/189621	9:10 AM	16.73 ton	Waste Mgmt.	1/23/2024	Class 3 Soil	16.73
3	Wyser Construction	5819/189635	10:28 AM	16.47 ton	Waste Mgmt.	1/23/2024	Class 3 Soil	16.47
4	Wyser Construction	5819/189646	11:22 AM	17.46 ton	Waste Mgmt.	1/23/2024	Class 3 Soil	17.46
5	Wyser Construction	5819/189656	12:25 PM	17.99 ton	Waste Mgmt.	1/23/2024	Class 3 Soil	17.99
6	Wyser Construction	5819/A1206	2:16 PM	17.86 tons	AAA Monroe Rock	1/23/2024	Rebar/Concrete	17.86
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	86.97
19					Rebar / Concrete		Total Tons	17.86
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189614

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/23/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	65460 lb
In	01/23/2024 07:50:34	SCALE 1	GALTHEIM		Tare	28820 lb
Out	01/23/2024 07:58:55	SCALE 1	GALTHEIM		Net	36640 lb
					Tons	18.32

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	18.32	Tons				KING
2 GONDOLA T-GONDOLA TON	100	18.32	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189621

Customer Name WYSER CONSTRUCTION WYSER CONS. Carrier SELF HAULER *
Ticket Date 01/23/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	62280 lb
In	01/23/2024 09:10:23	SCALE 1	GALTHEIM		Tare	28820 lb
Out	01/23/2024 09:10:23		GALTHEIM		Net	33460 lb
					Tons	16.73

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.73	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.73	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
701 S. Alaska Street
WASTE MANAGEMENT, WA, 98134

Original
Ticket# 189635
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/23/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 61760 lb
In 01/23/2024 10:28:04 SCALE 1 GALTHEIM Tare 28820 lb
Out 01/23/2024 10:28:04 GALTHEIM Net 32940 lb
Tons 16.47

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.47	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.47	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189646
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/23/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/23/2024 11:22:27	SCALE 1	GALTHEIM		Tare	63740 lb
Out	01/23/2024 11:22:27		GALTHEIM		Net	28820 lb
					Tons	34920 lb
						17.46

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.46	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.46	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189656
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/23/2024 Vehicle# W-40S Volume
Payment Type Credit Account Container
Manual Ticket# Driver KURTIS
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/23/2024 12:25:27	SCALE 1	GALTHEIM		Tare	64800 lb 28820 lb
Out	01/23/2024 12:25:27		GALTHEIM		Net	35980 lb
					Tons	17.99

Comments WYSER-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.99	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.99	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: January 24, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	263699/189690	8:18 AM	14.62 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	14.62
2	Silver Streak, Inc. #114	263699/189696	9:26 AM	16.67 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	16.67
3	Silver Streak, Inc. #114	263699/189702	10:28 AM	14.21 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	14.21
4	Silver Streak, Inc. #114	263699/189713	11:39 AM	17.18 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	17.18
5	Silver Streak, Inc. #114	263699/189718	12:51 PM	15.41 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	15.41
6	Silver Streak, Inc. #114	263699/189723	1:49 PM	14.51 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	14.51
7	Silver Streak, Inc. #114	263699/189725	2:50 PM	13.65 ton	Waste Mgmt.	1/24/2024	Class 3 Soil	13.65
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	106.25
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Reprint
Ticket# 189690
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	In	Time	Scale	Operator	Inbound	Gross
	01/24/2024	08:18:51	SCALE 1	GALTHEIM		57240 lb
	01/24/2024	08:25:49	SCALE 1	GALTHEIM		28000 lb
						29240 lb
						14.62

Comments

*Silver S.
GA*

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.62	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.62	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature

MSR



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189696

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

In Time Scale Operator Inbound Gross
01/24/2024 09:26:18 SCALE 1 GALTHEIM Tare 61340 lb
Out 01/24/2024 09:26:18 GALTHEIM Net 28000 lb
Tons 33340 lb
Tons 16.67

Comments

Silver S.
GX

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.67	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.67	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature

[Signature]



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189702

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

In Time Scale
01/24/2024 10:28:38 SCALE 1
Out 01/24/2024 10:28:38

Operator
GALTHEIM
GALTHEIM

Inbound Gross 56420 lb
Tare 28000 lb
Net 28420 lb
Tons 14.21

Comments Silver S.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.21	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.21	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Ph: 206 763 5025

Reprint
Ticket# 189713

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/24/2024 11:39:06	SCALE 1	GALTHEIM		Tare	62360 lb
Out	01/24/2024 11:39:06		GALTHEIM		Net	28000 lb
					Tons	34360 lb
						17.18

Comments

Silver-SS

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	17.18	Tons				KING
2 GONDOLA T-GONDOLA TON	100	17.18	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Original
Ticket# 189718
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 58820 lb
In 01/24/2024 12:51:30 SCALE 1 GALTHEIM Tare 28000 lb
Out 01/24/2024 12:51:30 GALTHEIM Net 30820 lb
Tons 15.41

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.41	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.41	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 189723
Ph: 206 763 5025

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
In Time 01/24/2024 13:49:23 Scale Operator Inbound Gross 57020 lb
Out 01/24/2024 13:49:23 SCALE 1 GALTHEIM Tare 28000 lb
GALTHEIM Net 29020 lb
Tons 14.51

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.51	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.51	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 189725

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/24/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/24/2024 14:50:55	SCALE 1	GALTHEIM		55300 lb	
Out	01/24/2024 14:50:55		GALTHEIM		28000 lb	
					Net	27300 lb
					Tons	13.65

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	13.65	Tons				KING
2 GONDOLA T-GONDOLA TON	100	13.65	Tons				
3 ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver's Signature



EXPORT MATERIALS LOG

KOZ Development - 312 West Republican Soil Cleanup
KOZ-23-1692

DATE: January 25, 2024

LOAD NO.	TRUCKING COMPANY	MANIFEST #	DUMP TIME	ESTIMATED QUANTITY	LOCATION	DATE	TYPE OF MATERIALS	TONNAGE SLIPS
1	Silver Streak, Inc. #114	264350/189737	7:49 AM	15.25 ton	Waste Mgmt.	1/25/2024	Class 3 Soil	15.25
2	Silver Streak, Inc. #114	264350/189740	9:31 AM	12.47 ton	Waste Mgmt.	1/25/2024	Class 3 Soil	12.47
3	Silver Streak, Inc. #114	264350/189747	10:31 AM	14.68 ton	Waste Mgmt.	1/25/2024	Class 3 Soil	14.68
4	Silver Streak, Inc. #114	264350/189754	11:29 AM	14.24 ton	Waste Mgmt.	1/25/2024	Class 3 Soil	14.24
5	Silver Streak, Inc. #114	264350/189757	12:38 PM	16.09 ton	Waste Mgmt.	1/25/2024	Class 3 Soil	16.09
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18					Class 3 Soil		Total Tons	72.73
19								
20								
21								
22								
23								



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189737

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/25/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/25/2024 07:49:54	SCALE 1	galtheim		Tare	58500 lb
Out	01/25/2024 07:49:54		galtheim		Net	28000 lb
					Tons	30500 lb
						15.25

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	15.25	Tons				KING
2 GONDOLA T-GONDOLA TON	100	15.25	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189740

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/25/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/25/2024 09:31:43	SCALE 1	galtheim		Tare	52940 lb
Out	01/25/2024 09:31:43		galtheim		Net	28000 lb
					Tons	24940 lb
						12.47

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	12.47	Tons				KING
2 GONDOLA T-GONDOLA TON	100	12.47	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189747

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/25/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

In	Time	Scale	Operator	Inbound	Gross	57360 lb
01/25/2024	10:31:12	SCALE 1	galtheim		Tare	28000 lb
Out	01/25/2024	10:31:12	galtheim		Net	29360 lb
					Tons	14.68

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.68	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.68	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Seattle, WA, 98134

WASTE MANAGEMENT

Ph: 206 763 5025

Original
Ticket# 189754

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/25/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid
PO# KOZ Republican St / 118554WA

	Time	Scale	Operator	Inbound	Gross	
In	01/25/2024 11:29:16	SCALE 1	GALTHEIM		Tare	56480 lb
Out	01/25/2024 11:29:16		GALTHEIM		Net	28000 lb
					Tons	28480 lb
						14.24

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	14.24	Tons				KING
2 GONDOLA T-GONDOLA TON	100	14.24	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature



Alaska Street
70 S. Alaska Street
Kenai, WA, 98134

Ph: 206 763 5025

Original
Ticket# 189757

Customer Name WYSER CONSTRUCTION WYSER CONS Carrier SELF HAULER *
Ticket Date 01/25/2024 Vehicle# 114S Volume
Payment Type Credit Account Container
Manual Ticket# Driver MARTIN
Route AK Check#
Hauling Ticket# Billing# 0000188
Destination Grid

PO# KOZ Republican St / 118554WA
Time Scale Operator Inbound Gross 60180 lb
In 01/25/2024 12:38:15 SCALE 1 GALTHEIM Tare 28000 lb
Out 01/25/2024 12:38:15 GALTHEIM Net 32180 lb
Tons 16.09

Comments SS-GA

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	16.09	Tons				KING
2 GONDOLA T-GONDOLA TON	100	16.09	Tons				KING
3 ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver's Signature

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. **25622**

Carrier No. _____

Date **Feb-16-24**

Marine Vacuum Service Inc.

(Name of carrier)

(SCAC)

1 of 4

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: Consignee **Marine Vacuum Service Inc.**

Street **1516 South Graham Street**

City **Seattle** State **WA** Zip Code **98108**

FROM: Shipper **Vyser Construction**

Street **312 Republican St**

City **Seattle** State **WA** Zip Code _____

ChemTel **1-800-255-3924**

Contract **MIS3627926**

24 hr. Emergency Contact Tel. No. _____

Vehicle Number **2122**

Route

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel, Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT				
1 TT		Waste Water Non Reg by DOT	1,500 Gallons			
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release a release or a value declaration by the shipper, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(a) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$ _____

C.O.D. FEE: PREPAID ☐ COLLECT ☐ \$ _____

TOTAL CHARGES \$ _____

FREIGHT PREPAID ☐ Check box if charges are to be collected ☐

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

HIPPER

CARRIER

PER

PER

DATE

Permanent post-office address of shipper.

Excavation Photographs



1. Excavation and lagging along western property boundary (looking south).



2. Slot trenches adjacent to Piles 6 and 8 filled with CDF.



1. Excavating slot trenches adjacent to Piles 7 and 9; CDF-filled slot trenches adjacent to Piles 6 and 8 shown.



2. Final slot trench area after backfilling with CDF.



1. Final extent of eastern portion of excavation; imported backfill stockpile shown to left of excavation.