

Completion Report—AOC 4

Northern State Multi Service Center
Sedro-Woolley, Washington

Agreed Order No. DE 16309
Cleanup Site ID: 10048

Prepared for:

Port of Skagit

Burlington, Washington
September 11, 2024
Project No. M0624.04.019

Prepared by:

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Completion Report—AOC 4

Agreed Order No. DE 16309

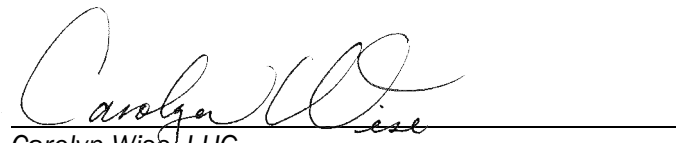
Cleanup Site ID: 10048

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

Maul Foster & Alongi, Inc.

09-11-2024

Josh Elliott, PE
Principal Engineer



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Senior Hydrogeologist

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Abbreviations

AO	Agreed Order DE 16309
AOC 4	arsenic and lead in shallow soil at the former ward building and athletic field area of concern 4
CULs	cleanup levels
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ICI	Interwest Construction Inc.
IRA	interim remedial action
ISA	International Society of Arboriculture
LDES	Land Development Engineering and Surveying, Inc.
MFA	Maul Foster & Alongi, Inc.
MTCA	Model Toxics Control Act
the Plan	interim cleanup action plan and engineering design report work plan
the Port	Port of Skagit
the Property	2070 Northern State Road in Sedro-Woolley, Washington
the Site	Northern State Multi Service Center (former Northern State Hospital) site
TRICO	TRICO Companies, LLC
UFS	Urban Forestry Services
XRF	X-ray fluorescence device

1 Introduction

On behalf of the Port of Skagit (the Port), Maul Foster & Alongi, Inc. (MFA) has prepared this completion report describing the interim remedial action (IRA) of arsenic and lead in shallow soil at the former ward building and athletic field area of concern 4 [AOC 4], completed at the Northern State Multi Service Center (former Northern State Hospital) site (Site). This Site is generally located at the Sedro-Woolley Innovation for Tomorrow Center (SWIFT Center) property at 2070 Northern State Road in Sedro-Woolley, Washington (the Property, see Figures 1-1 and 1-2). The Property is listed with the Washington State Department of Ecology (Ecology) under facility site ID 65415931 and cleanup site ID 10048.

1.1 Regulatory Framework

The Property is currently under Agreed Order DE 16309 (AO) between the Port and Ecology. This completion report was prepared in accordance with the requirements specified in Exhibit B of the AO. The Port received a U.S. Environmental Protection Agency (EPA) cleanup grant to support IRAs at the Property, including the IRA completed at AOC 4 described in this completion report. The need for additional cleanup at the Site will be informed by the forthcoming remedial investigation and feasibility study.

The interim action was completed consistent with the Ecology and EPA-approved interim cleanup action plan and engineering design report work plan (the Plan; MFA 2021). This completion report describes the activities conducted to implement the Plan, involving soil excavation and off-site disposal. This completion report follows the requirements of Washington Administrative Code 173-340-400 and 173-340-430.

1.2 Interim Action Objectives

This IRA was intended to mitigate direct-contact exposure risk for occupants of the Property associated with concentrations of lead and arsenic above Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) (MFA 2021). AOC 4 was first identified and defined during previous site investigations based on the locations of both surficial and deeper arsenic exceedances in the former ward building area and the athletic field. Additional investigations on the Property identified lead concentrations in shallow soil in the athletic field, and this area was added to AOC 4. The athletic field and former ward building area are open fields with a high potential of direct contact with surface soil. Remedial actions (i.e., excavation and off-site disposal) detailed in this completion report were conducted to eliminate the risk of direct-contact exposure in these areas of the Property. The activities detailed in this completion report were conducted in accordance with the Plan prepared for AOC 4 (MFA 2021).

1.3 Permits, Review, and Substantive Requirements for Interim Action

The acquired agency approvals and permits are listed below:

- National Pollutant Discharge Elimination System Construction Stormwater General Permit—Ecology
- Planned Action Determination—City of Sedro-Woolley
- State Environmental Policy Act Determination of Nonsignificance—Ecology
- Clearing and Grading Permit—City of Sedro-Woolley

1.4 Objectives

This report describes the work completed and summarizes the construction quality assurance (CQA) program implemented to ensure that the project was constructed in compliance with the approved design and with any subsequent resolutions or changes to the design. The following information is included as appendices:

- Existing condition and post-excavation surveys (Appendix A)
- Sample daily construction report (Appendix B)
- Construction photograph array (Appendix C)
- Cultural resources inadvertent discovery plan (Appendix D)
- Arborist report (Appendix E)
- Analytical laboratory reports for confirmation samples, import fill, and stockpiles (Appendix F)
- Data validation memorandum for confirmation samples, import fill, and stockpiles (Appendix G)
- Exported and imported material truck tickets (Appendix H)

2 Background and Site Conditions

2.1 Property Location

The approximately 210-acre Property is located at 2070 Northern State Road, in the northeast corner of Sedro-Woolley, Washington (Figure 1-1). The Property is bordered on the north, east, and south by the Northern State Recreation Area, a public open space owned and managed by Skagit County and historically associated with the Northern State Hospital.

The Property is bordered by Fruitdale Road and residential properties to the west. The Property is in sections 7, 8, 17, and 18 of township 35 north, range 5 east of the Willamette Meridian, on a small plateau with a downward topographic slope toward the east, south, and southwest in the direction of

Hansen Creek (east) and Brickyard Creek (south/southwest). The Property currently comprises over 44 buildings and structures. Tenants occupy some of the buildings, but many buildings are currently vacant.

On July 1, 2018, the Port took title to the Property from Washington State. The Property is currently owned and managed by the Port, with buildings leased to multiple tenants, including the Cascade Job Corps, for on-site housing and educational services; and Northwest Innovation Resource Center, a nonprofit supporting small business growth.

2.2 Property History

The Property was developed in 1909 and operated as a treatment and residence facility and hospital for people with mental illness until its closure in 1973. After the facility's closure, the treatment and residential campus was transferred from the Washington State Department of Social and Health Services to the Washington State General Services Administration, which later became the Department of Enterprise Services. The adjacent farmland was transferred to the Department of Natural Resources, which later transferred ownership to Skagit County.

The Northern State Hospital was designed to be self-sustaining and included on-site patient and staff housing, dedicated water supply reservoirs and an associated potable water treatment facility, a fueling station for on-site vehicles, maintenance and paint shops, and a laundry facility. During the construction of the hospital, much of the Property was logged, graded, drained, and terraced to provide a suitable ground surface throughout the campus (Artifacts Consulting 2008).

2.3 Physical Setting

AOC 4 is generally flat, graded, and vegetated with a combination of grass and trees. Subsurface soils generally consist of silt with sand in the athletic field and gravelly sand, silt, and silt with sand in the former ward building area. Groundwater was not encountered during construction activities.

2.4 Environmental Conditions

Previous investigations have identified seven AOCs at the Property, which are described in the 2018 phase II environmental site assessment (MFA 2018). Characterization of all AOCs is being completed in a forthcoming remedial investigation report.

AOC 4 consists of elevated concentrations of arsenic and lead in surface soil above their respective MTCA Method A CULs within the former ward building and athletic field, respectively (see Figure 1-2). No records of lead arsenate pesticide use were located during previous investigations; however, the presence of arsenic (and lead in the athletic field) at concentrations above MTCA Method A CULs in soil indicates that pesticides containing these metals may have been used to maintain the grounds during historical operations of the Property. Additionally, given the collocation of arsenic impacts to the former Ward building footprint; it is possible that building material or fill from the construction and/or demolition of the former Ward building resulted in elevated arsenic concentrations in shallow soil within this area. However, the exact source of these lead and arsenic impacts is unknown, and the impacts appear isolated to the two areas on the Property.

The following chemicals of concern in soil were identified in shallow soil for AOC 4 at the Property:

- Arsenic (former Ward building area)
- Lead (athletic field area)

3 Project Team and Organization

3.1 Project Team

- Owner—the Port.
- Engineer and Construction Oversight—MFA: Responsible for project design and overall project conformance to the approved design.
- General Contractor—Interwest Construction, Inc. (ICI): Performed all remedial excavation activities and was responsible for hauling and disposal of contaminated material, as well as sourcing and importing clean backfill material.
- Supplemental Contractor—TRICO Companies, LLC (TRICO): Performed the French Drain installation associated with the drainage restoration in the area of the former Ward Building.
- Surveying—Land Development Engineering and Surveying, Inc. (LDES): Surveyed existing conditions and topography to provide information for development of design plans. LDES collected construction survey information, including depth of excavation and final topography.
- Arborist—Urban Forestry Services (UFS): Provided construction oversight and recommendations for soil removal and placement within critical root zones of large shrubs and trees that remained in place and made recommendations for post-excavation care.
- Laboratory Testing—Friedman & Bruya, Inc.: Primary laboratory for testing excavation confirmation samples, import topsoil material, and stockpile samples.
- Archaeological Monitor—Drayton Archaeology (Drayton): On-call archaeologist during soil removal activities to ensure appropriate management of archaeological resources. No archaeological resources were identified during the interim action.

3.2 Project Schedule

Interim action project work was completed as follows:

Table: Project Schedule

Task	Completion Timeframe
Project permitting (construction stormwater, grading, and State Environmental Policy Act)	August 2021
Award Contract Bid	August 2021
Remediation Construction	October 2021 to December 2021
Restoration Activities	December 2021 to May 2024

4 Construction Quality Assurance

The construction quality assurance effort encompassed several components including management, monitoring, and coordination among all members of the multidisciplinary construction team. Each of the primary components is described in this section.

4.1 Construction Submittals

The contractor provided technical submittals before and during construction, consistent with the requirements and schedule provided in the project specifications. Submittals were received by the engineer and reviewed or distributed to the applicable parties for review.

Submittals that were not in conformance with the specifications were notated regarding deficiencies and returned for revision and resubmittal by the contractor. The engineer keeps the submittal documentation on file.

4.2 Construction Meetings

Construction coordination meetings were held on site and included the appropriate contractor, engineer, and the Port. The meetings were held to discuss schedule, outstanding issues, and other topics as designated by the engineer. Meetings were typically held weekly from September through November 2021.

4.3 Construction Daily Reports

During construction, reports of construction activities for individual work components were completed daily by members of the construction oversight team. Reports were made to record observations regarding site conditions, contractor activities, construction issues, and construction progress. The construction reports were completed daily to verify that the work was performed consistent with the plans and specifications. Daily reports typically included photos of the day's construction activities.

The construction daily reports are kept on file by the engineer. A sample daily report is provided in Appendix B.

4.4 Photograph Log

Photographs were taken daily by the construction oversight team to record site conditions, and to supplement the construction daily reports. Photographs were logged and stored by the engineer. A photographic log summary can be found in Appendix C. A full inventory of digital construction photographs is maintained by the engineer.

4.5 Construction Surveying

LDES provided surveying services throughout construction and close-out of the project. The following surveys were obtained to ensure that the remediation and restoration were completed in accordance with the plans and specifications (see Appendix A):

- Pre-construction Ground Survey—elevations of the pre-construction ground surface provided as a datum for excavation and subsequent backfill operations.
- Post-Excavation Ground Survey—elevations of post-excavation ground surface provided to MFA compared the pre-construction ground survey to the post-excavation ground survey to ensure that excavation had been completed to the appropriate depth. Comparisons were made using Autodesk® Civil3D® software.

5 Remedial Action Methods

5.1 Site Preparation

Prior to excavation, the initial excavation limits were surveyed and staked by LDES (see the existing conditions survey drawings in Appendix A). Underground utilities at the Property were identified by a private utility locator. An inadvertent discovery plan was implemented during remediation work activities (see Appendix D).

Temporary site fencing was installed around the work areas to secure the site throughout the remediation construction.

5.2 Erosion- and Sediment-Control Best Management Practices

ICI submitted a temporary erosion control plan and provided a certified erosion and sediment control lead for the duration of the project. ICI completed a minimum of weekly inspections and submitted monthly discharge monitoring reports to Ecology to comply with the reporting requirements of the permit.

The nature of the excavated soil allowed only minimal tolerance for sediment-laden runoff, particularly during the remediation portion of the project. Techniques used to minimize erosion and contain loose sediment included the following:

- Straw wattles were installed along the toes of slopes.
- Loose straw or gravel was laid down in muddy, highly trafficked areas, including the construction staging area.
- Excavation areas and stockpiles were covered with plastic sheeting overnight and during extended periods of downtime.

- Plastic sheeting was used to cover roadway surfaces during truck loading and offloading activities.
- Roadways were vacuum swept daily, as needed.
- Boot wash stations were provided during active remediation to keep workers from tracking sediment off property.

5.3 Excavation of Contaminated soil

Soil excavation and removal in the former ward building and athletic field areas was conducted from October 4 through October 27, 2021. MFA used a handheld X-ray fluorescence device (XRF) to field screen samples to guide the removal of arsenic- and lead-contaminated soils. Once soil appeared to be below MTCA Method A CULs based on field observations, confirmation soil samples were collected from the limits of the excavation and analyzed for arsenic or lead, depending on the excavation area. Based on confirmation soil sample results, some areas were over excavated when feasible. Details regarding excavation from the two work areas are discussed in Sections 5.3.1 below.

5.3.1 Soil Excavation

5.3.1.1 Athletic Field

The northern portion of the excavation area in the athletic field was located within a grove of established trees. In accordance with the Plan, protection of the existing trees was prioritized over removal of impacted soils due to the historic nature of the landscape architecture on the Property (MFA 2021). Excavation within the critical root zones was completed using hand tools including shovels, pickaxes, and rakes. Excavated soil was loaded into motorized wheelbarrows and stockpiled onsite outside of the critical root zone. Work activities conducted in this area were overseen by an International Society of Arboriculture (ISA) certified arborist from UFS. The arborist conducted a survey of the trees within the work area, documenting their condition and overseeing excavation methods to limit damage to root systems. A report summarizing the arborists' observations and recommendations is provided in Appendix E. For tree protection and the limitations associated with using hand tools, total excavation depth within the critical root zone was limited to six inches.

Soil with concentrations of lead above CULs located outside of the critical root zone was excavated using a mini excavator.

5.3.1.2 Former Ward Building

The concrete sidewalk located within the excavation area was demolished and disposed of separately from the soil with concentrations of arsenic above CULs. In accordance with the Plan, soil located within the critical root zones of trees along Hub Drive was excavated using hand tools including shovels, pickaxes, and rakes under supervision of an ISA licensed arborist from UFS (Appendix E). The remaining soil in the former ward building excavation area was removed using an excavator.

5.4 Confirmation Sampling

Confirmation samples were collected from both the horizontal (i.e., sidewall samples) and vertical (i.e., base samples) excavation limits. Sidewall samples were collected approximately halfway between the floor of the excavation and the original ground surface. Base samples were collected every 400 square feet and sidewall samples were collected every 20 linear feet along the perimeter of the excavation in accordance with the Plan (MFA 2021). All soil samples were collected directly from the base or sidewall using a newly gloved hand or a clean stainless-steel trowel. Soil was placed in clean, laboratory-supplied containers. Screening for lead and arsenic was conducted for each confirmation soil sample using a handheld XRF prior to submittal to the analytical laboratory. Soil samples were analyzed by Friedman & Bruya, Inc. of Seattle, Washington on a rush 24-hour turnaround time to inform additional excavation assessments.

Confirmation soil samples collected in each area were analyzed for their respective chemicals of concern (as discussed in Section 2.4):

- Lead by EPA Method 6020A (Athletic Field)
- Arsenic by EPA Method 6020A (Former Ward Building)

Final CULs for the Site have not been determined; therefore, analytical results were compared to MTCA Method A CULs for unrestricted land use.

Laboratory reports are included in Appendix F. Analytical results for confirmation soil samples at the final limits of excavation are summarized in Tables 5-1 and 5-2. Analytical data and the laboratory's internal quality assurance and quality control data were reviewed to assess whether they met data quality objectives (EPA 2020a, 2020b). A memorandum summarizing data validation procedures, data usability, and deviations from specific field and/or laboratory methods is presented as Appendix G.

5.4.1 Athletic Field

Confirmation samples consisted of ten base samples and 15 sidewall samples that were collected from the hand tool excavation area and were analyzed for lead at the limits of the excavation (Figure 5-1). Of the samples collected, two sidewall and two base samples exceeded the MTCA Method A CUL for lead due to the dense root network within the tree grove and were left in place. Analytical results for confirmation samples collected in the athletic field area are provided in Table 5-1. Areas with remaining concentrations above CULs were marked with demarcation fabric as described in Section 5.6.

In the southwestern athletic field area, confirmation samples consisted of three base samples and six sidewall samples. All confirmation samples from this area were below the MTCA Method A CUL (Table 5-1).

5.4.2 Former Ward Building

Confirmation samples consisted of 50 base confirmation samples and 21 sidewall samples and were analyzed for arsenic (Figure 5-2). Results from these samples were screened against the MTCA Method A CULs for arsenic. Two sidewall and three base samples exceeded the MTCA Method A CUL at the limits of the final excavation area. Analytical results for confirmation samples collected in the

athletic field area are provided in Table 5-2. Areas with remaining concentrations above CULs were marked with demarcation fabric as described in Section 5.6.

5.5 Soil Management

5.5.1 Stockpiles

Soil stockpiles were placed on plastic sheeting liners and covered with plastic sheeting at the end of each workday to minimize erosion, dust generation, and direct contact by humans. The plastic sheeting that covers the pile was regularly inspected to ensure that it remained functional and protective of human health and the environment during the IRA.

Three (3) ten-point composite samples were collected from the stockpiles associated with the athletic field excavation areas and analyzed for lead to assist with waste characterization and disposal (see Table 5-3).

Three (3) ten-point composite samples were collected from the stockpiles associated with the former Ward building area and analyzed for arsenic to assist with waste characterization and disposal (see Table 5-3).

Stockpiles from both IRA areas were determined to be non-hazardous and suitable for disposal at a Subtitle D landfill.

5.5.2 Soil Disposal

After characterization, soil stockpiles were loaded into trucks lined with plastic sheeting, tarped, and trucked offsite for disposal. Soil was disposed of at Waste Management's Wenatchee landfill and Waste Management's Duwamish Reload Facility. Disposal tickets are provided in Appendix H.

5.6 Backfill and Site Restoration

5.6.1 Athletic Field

5.6.1.1 Demarcation

After completion of excavation activities in the athletic field, a high-visibility orange construction fencing material was placed as demarcation layer over the footprint of the hand tool excavation areas where concentrations of lead above MTCA Method A CULs remained (see Figure 5-3). Orange fencing was used as demarcation in these areas at the recommendation of the arborist to allow for proper drainage within the root zones of the trees, while maintaining a visual barrier between soil left in place with concentrations above MTCA Method A CULs and imported clean backfill. The demarcation material was secured in place using metal garden staples.

No demarcation material was placed in the portion of the athletic field excavation completed with a mini excavator.

5.6.1.2 Backfill

After the demarcation layer was installed, the hand tool excavation area was backfilled with a 6-inch layer of clean, tested topsoil, then covered with a 3-inch-thick layer of wood chips. Topsoil was

imported from North Hill Resources and consisted of a blend of screened soil, sand, and compost. Analytical data from topsoil source sampling is included in Appendix F.

The excavation area adjacent to the hand tool excavation was backfilled with one foot of imported topsoil material placed in 6-inch lifts.

5.6.1.3 Restoration

In December 2021, the area was winterized with straw until grading and hydroseeding could be completed in summer 2022. Wood chips were applied around the root zones of the trees, consistent with the arborist recommendations.

Grading and topsoil placement in areas without wood chip restoration was conducted at the end of July 2022. Hydroseeding was completed in the areas without wood chips in August 2022.

5.6.2 Former Ward Building

5.6.2.1 Demarcation

After completion of excavation activities in the former ward building area, high-visibility orange construction fencing material was placed as demarcation fabric over the footprint of the excavation areas associated with areas of the excavation with concentrations of arsenic above MTCA Method A CULs left in place (see Figure 5-4). Orange fencing was used at the recommendation of the arborist to allow for proper drainage, while maintaining a visual barrier between soil left in place with concentrations above MTCA Method A CULs and imported clean backfill. The demarcation material was secured in place using metal garden staples.

5.6.2.2 Backfill

The excavation area adjacent to the hand tool excavation was backfilled to original grade using clean, tested topsoil imported from North Hill Resources. Analytical data from topsoil source sampling is included in Appendix F. Topsoil was placed in 6-inch lifts. Import tickets are included in Appendix H.

5.6.2.3 Restoration

The area was winterized with straw until grading and hydroseeding was able to take place in Spring 2022. ICI completed grading and began hydroseeding on October 13, 2022. Additional hydroseeding was completed on November 23, 2022.

Following grading and hydroseeding, saturated soil was observed in the AOC 4 interim action area. MFA determined that additional drainage was needed to sufficiently divert standing water in the area.

Solicitation for contractor bids to complete the installation of a French drain associated with the interim action in AOC 4 was completed between July 13, 2023, and September 7, 2023. TRICO of Burlington, Washington was selected as the contractor to complete this work.

TRICO completed installation of the French Drain in AOC 4 in late September 2023. Due to saturated soil during drainage installation, the area was winterized in fall 2023. Grading and seeding of the area where the French Drain was installed was completed the week of May 6, 2024. The area is being observed to monitor seasonal variations in moisture conditions.

6 Inspections

A restoration site walk completed on October 28, 2022, identified additional hydroseeding and the installation of a French drain along the southern boundary of the former Ward building excavation as remaining items needed to complete the restoration for AOC 4.

A restoration site walk completed on May 22, 2024, identified some localized areas of remaining saturated soils that will require ongoing monitoring of drainage conditions to ensure long-term stabilization of the former Ward Building excavation area. An additional site walk was conducted on August 8, 2024, to observe drainage conditions.

7 Certification Statement

The construction oversight services described in this report were performed by MFA on behalf of the Port of Skagit. Based on the observations made during remedial excavation and the testing results, it is the opinion of the engineer that the cleanup actions completed were performed in substantial compliance with the plans, specifications, and related documents. Drainage conditions will be monitored in the former Ward Building excavation area to ensure long-term stabilization.

References

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Limitations

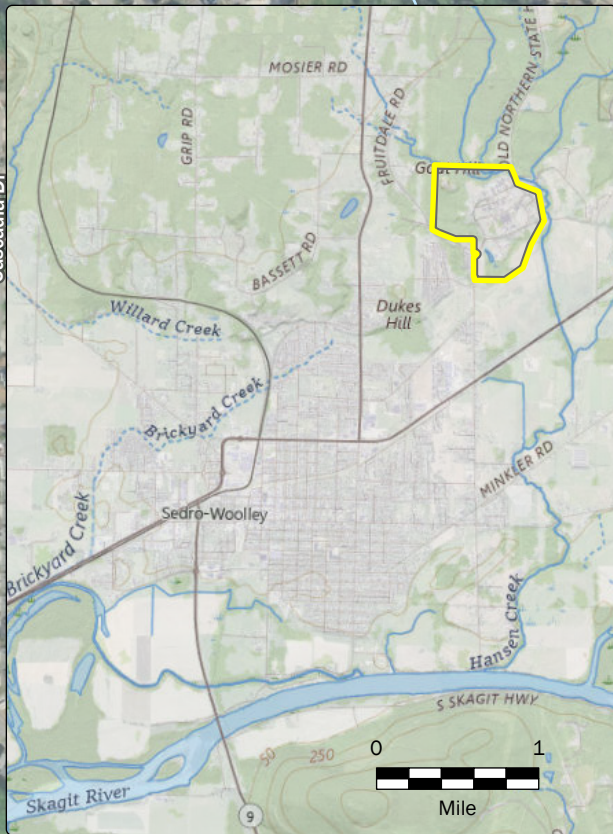
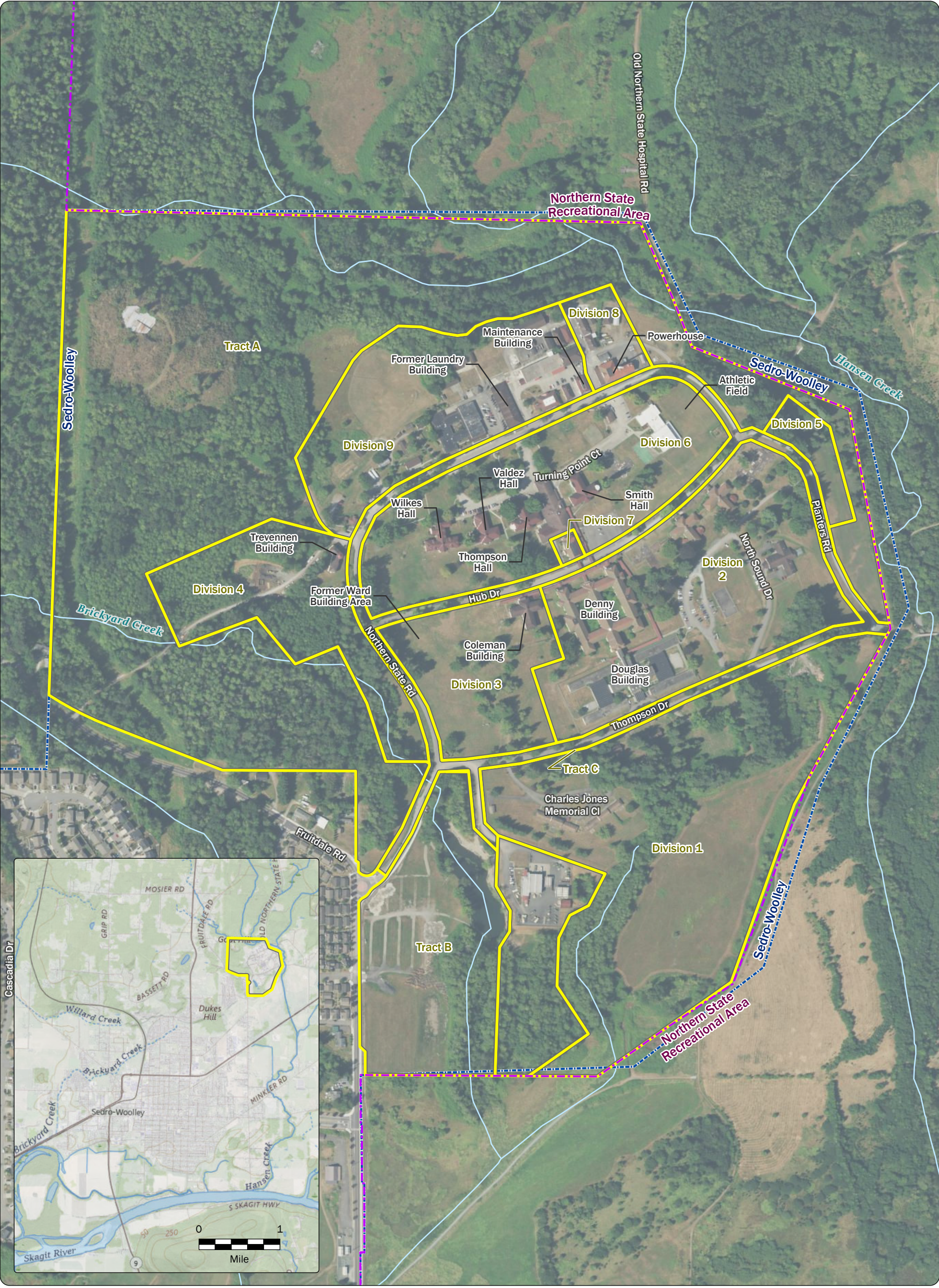
The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for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

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

Figures



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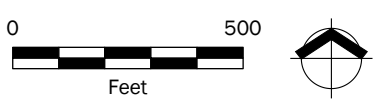
Data Sources
 Aerial photograph obtained from the U.S. Department of Agriculture; property boundary and streams obtained from Skagit County; city limits obtained from the Washington Department of Transportation.

- Legend**
- Property Parcel and Parcel Name
 - Northern State Recreational Area
 - Sedro-Woolley City Limits (Post Annexation)

Figure 1-1
Property Vicinity
 Northern State Multi Service Center
 Port of Skagit
 Sedro-Woolley, WA

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Notes
 All property features are approximate.
 AOC = area of concern.

Data Sources
 Aerial photograph obtained from the U.S. Department of Agriculture; property boundary and streams obtained from Skagit County.

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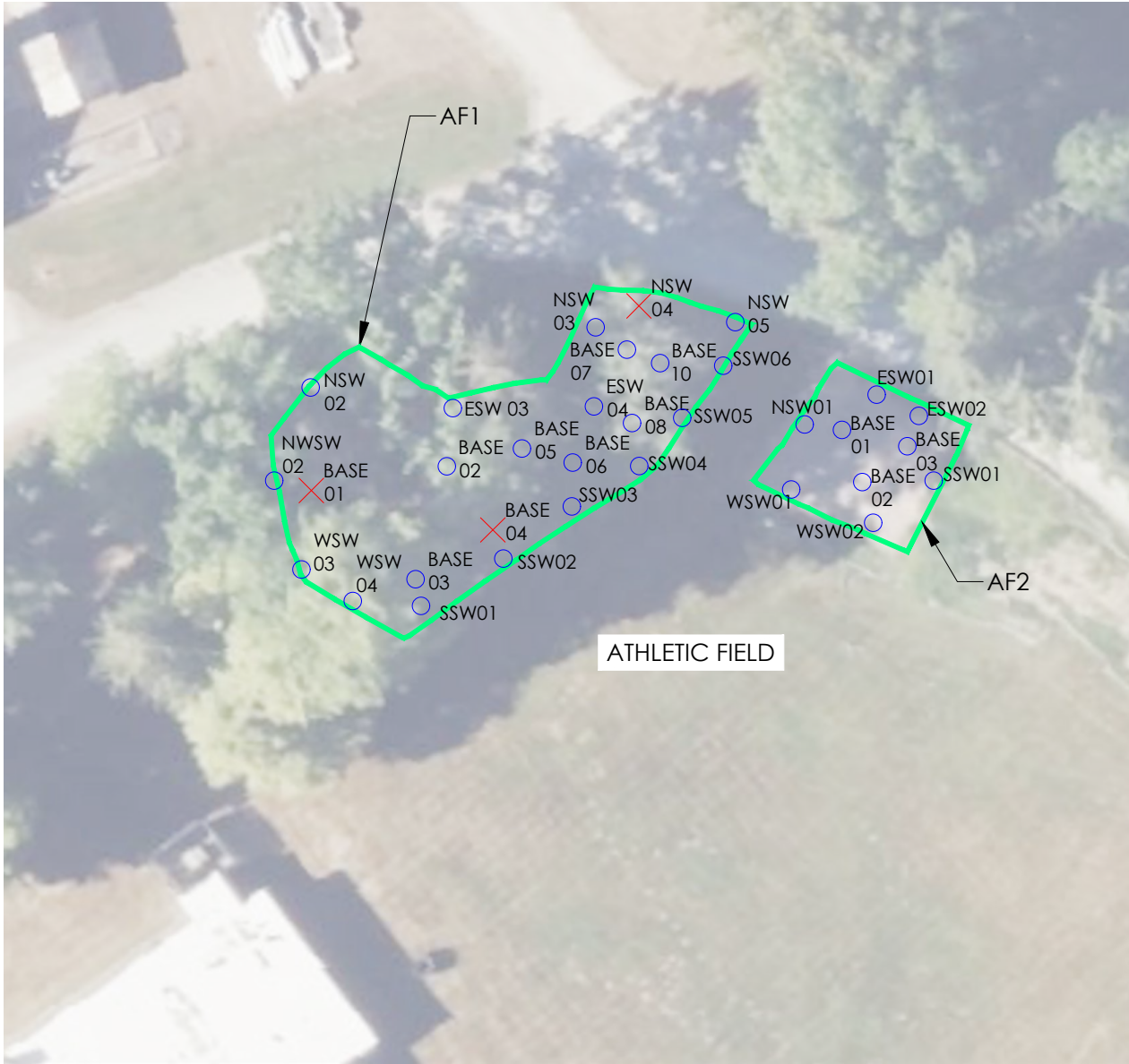
- Legend**
-  Arsenic in Soil
 -  Arsenic and Lead in Soil
 -  Property Boundary
 -  Stream

Figure 1-2
AOC 4 Vicinity
 Northern State Multi Service Center
 Port of Skagit
 Sedro-Woolley, WA



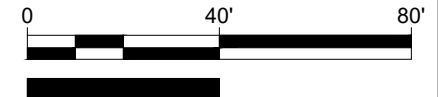
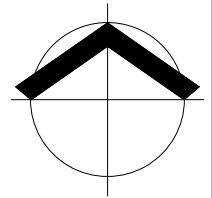


LEGEND:

- EXCAVATION BOUNDARY
- # CONFIRMATION SAMPLE BELOW MTC A METHOD A CUL
- ✕ # CONFIRMATION SAMPLE ABOVE MTC A METHOD A CUL

NOTES:

ALL SAMPLE LOCATIONS ARE APPROXIMATE BASED ON FIELD NOTES AND MEASUREMENTS TAKEN USING A SURVEYORS WHEEL. THE MTC A METHOD A CUL FOR LEAD IS 250 MG/KG.
 MTC A = MODEL TOXICS CONTROL ACT
 CUL = CLEANUP LEVEL
 MG/KG = MILLIGRAMS PER KILOGRAM



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

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**CONFIRMATION SAMPLE LOCATIONS
 ATHLETIC FIELD
 AOC 4 INTERIM REMEDIAL ACTION
 PORT OF SKAGIT
 Sedro-Woolley, Washington**

**FIGURE
 5-1**

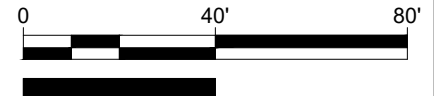
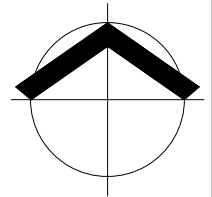


LEGEND:

- EXCAVATION BOUNDARY
- # CONFIRMATION SAMPLE BELOW MTCA METHOD A CUL
- ✗ # CONFIRMATION SAMPLE ABOVE MTCA METHOD A CUL

NOTES:

ALL SAMPLE LOCATIONS ARE APPROXIMATE BASED ON FIELD NOTES AND MEASUREMENTS TAKEN USING A SURVEYORS WHEEL. THE MTCA METHOD A CUL FOR ARSENIC IS 20 MG/KG. MTCA = MODEL TOXICS CONTROL ACT CUL = CLEANUP LEVEL MG/KG = MILLIGRAMS PER KILOGRAM



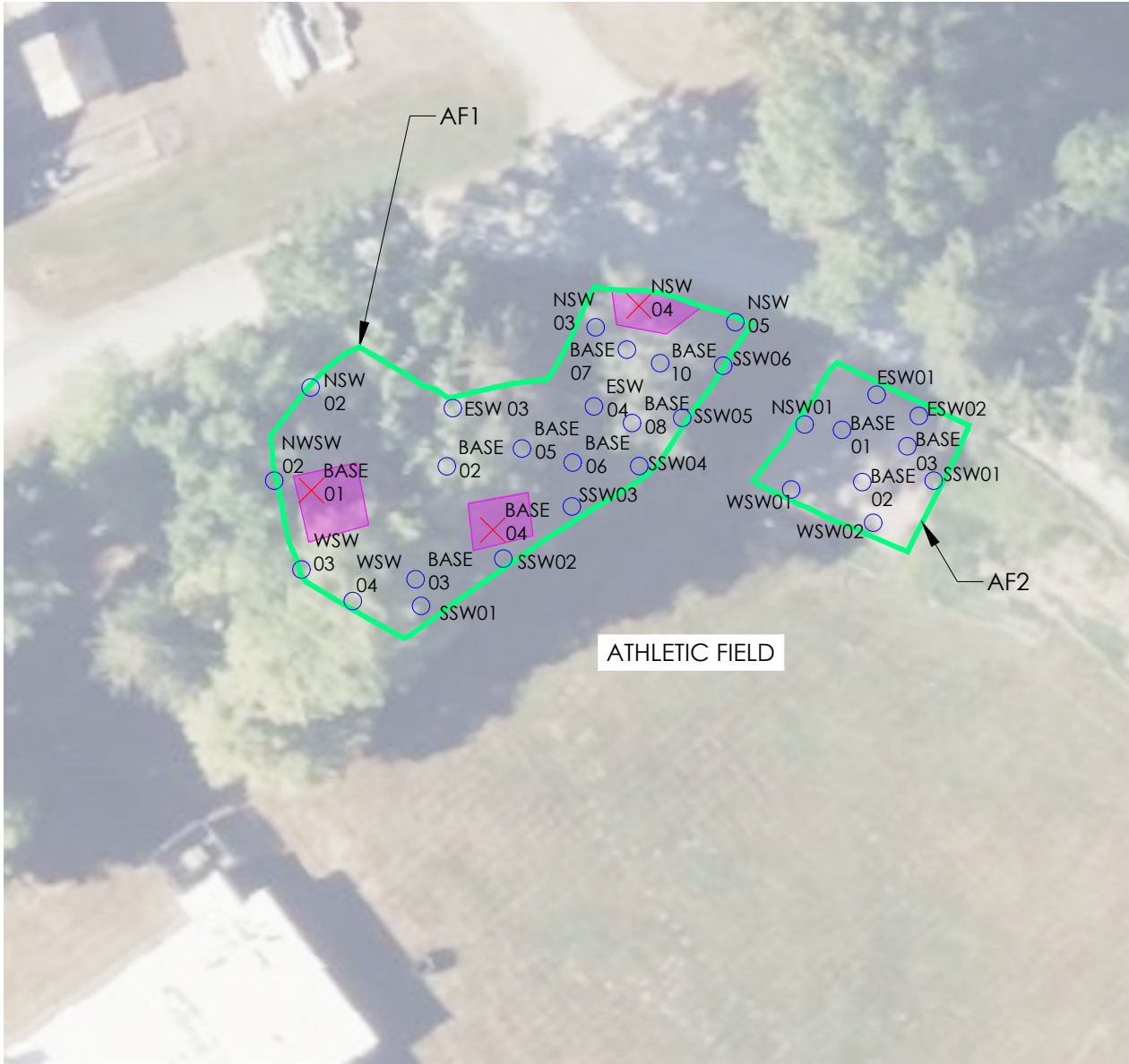
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

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**CONFIRMATION SAMPLE LOCATIONS
 FORMER WARD BUILDING
 AOC 4 INTERIM REMEDIAL ACTION
 PORT OF SKAGIT
 Sedro-Woolley, Washington**

**FIGURE
 5-2**

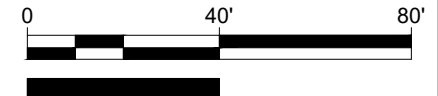
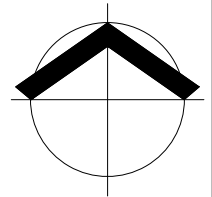


LEGEND:

- EXCAVATION BOUNDARY
- # CONFIRMATION SAMPLE BELOW MTCMA METHOD A CUL
- ✗ # CONFIRMATION SAMPLE ABOVE MTCMA METHOD A CUL
- DEMARCATION AREAS

NOTES:

ALL SAMPLE LOCATIONS ARE APPROXIMATE BASED ON FIELD NOTES AND MEASUREMENTS TAKEN USING A SURVEYORS WHEEL. THE MTCMA METHOD A CUL FOR LEAD IS 250 MG/KG.
 MTCMA = MODEL TOXICS CONTROL ACT
 CUL = CLEANUP LEVEL
 MG/KG = MILLIGRAMS PER KILOGRAM



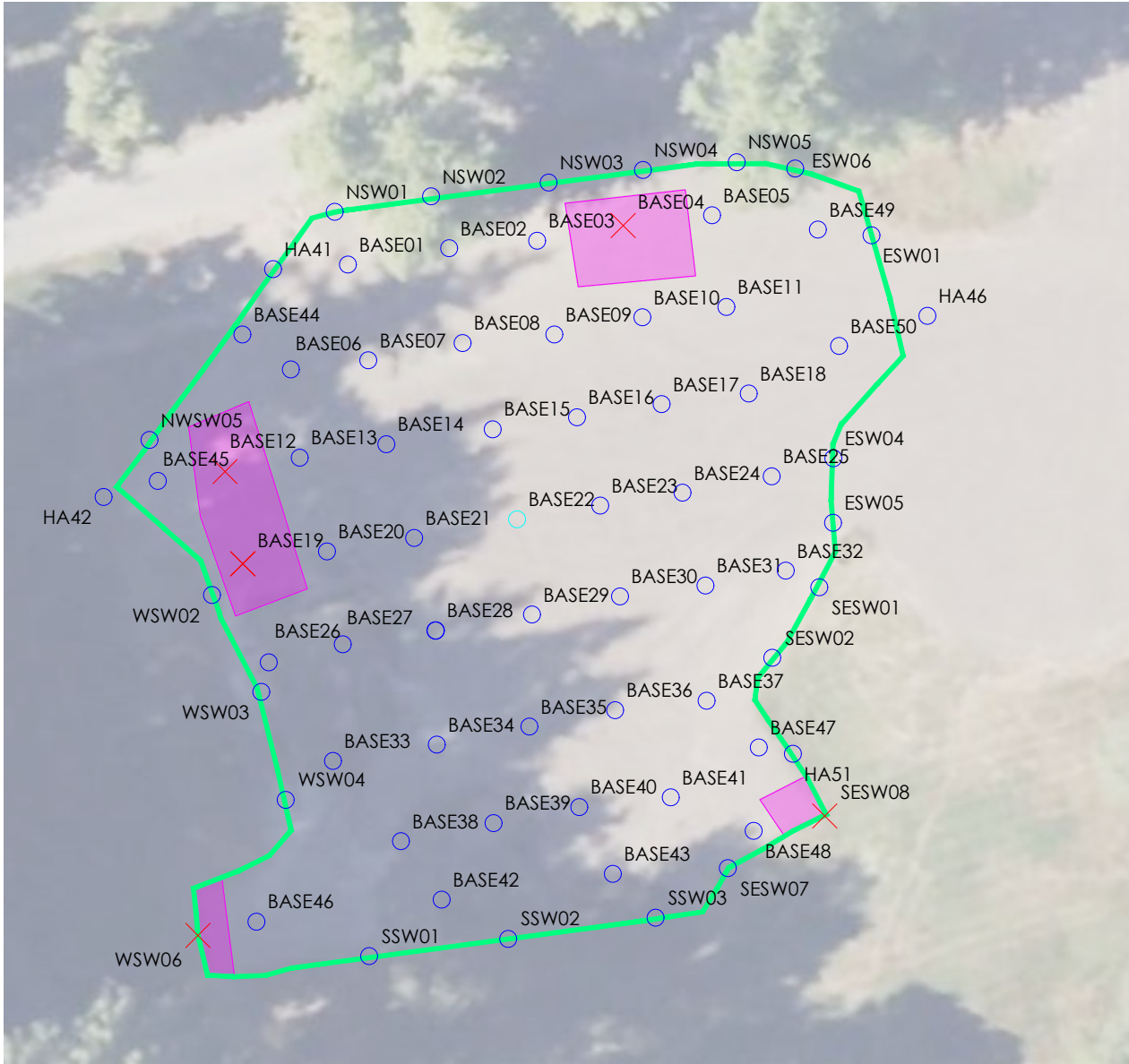
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

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**DEMARCATIION AREAS
 ATHLETIC FIELD
 AOC 4 INTERIM REMEDIAL ACTION
 PORT OF SKAGIT
 Sedro-Woolley, Washington**

**FIGURE
 5-3**

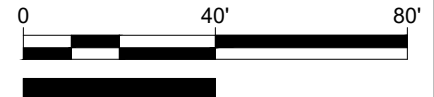
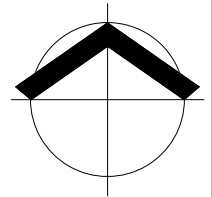


LEGEND:

- EXCAVATION BOUNDARY
- # CONFIRMATION SAMPLE BELOW MTCA METHOD A CUL
- ✗ # CONFIRMATION SAMPLE ABOVE MTCA METHOD A CUL
- DEMARCATION AREAS

NOTES:

ALL SAMPLE LOCATIONS ARE APPROXIMATE BASED ON FIELD NOTES AND MEASUREMENTS TAKEN USING A SURVEYORS WHEEL. THE MTCA METHOD A CUL FOR ARSENIC IS 20 MG/KG. MTCA = MODEL TOXICS CONTROL ACT CUL = CLEANUP LEVEL MG/KG = MILLIGRAMS PER KILOGRAM



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

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DEMARCATION AREAS FORMER WARD BUILDING AOC 4 INTERIM REMEDIAL ACTION PORT OF SKAGIT Sedro-Woolley, Washington

FIGURE
5-4

Tables



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Table 5-1
Athletic Field—
Soil Confirmation Sample Analytical Results
Northern State Multi Service Center
Sedro-Woolley, Washington



Location	Sample Name	Collection Date	Collection Depth (ft bgs)	Lead (mg/kg)	Lead (mg/L)
Fraction:				Total	TCLP
MTCA A, Unrestricted Land Use ⁽¹⁾ :				250	NV
TCLP Regulatory Limit ⁽²⁾ :				NV	5
AF1-BASE01	AF1-BASE01-S-0.5	10/12/2021	0.5	251	1 U
AF1-BASE02	AF1-BASE02-S-0.5	10/12/2021	0.5	149	1 U
AF1-BASE03	AF1-BASE03-S-0.5	10/12/2021	0.5	233	1 U
AF1-BASE04	AF1-BASE04-S-0.5	10/12/2021	0.5	556	1 U
AF1-BASE05	AF1-BASE05-S-0.5	10/15/2021	0.5	195	--
AF1-BASE06	AF1-BASE06-S-0.5	10/15/2021	0.5	158	--
AF1-BASE07	AF1-BASE07-S-0.5	10/19/2021	0.5	208	--
AF1-BASE08	AF1-BASE08-S-0.5	10/19/2021	0.5	127	--
AF1-BASE10	AF1-BASE10-S-0.5	10/21/2021	0.5	77	--
AF1-BASE10	AF1-BASE10-S-DUP	10/21/2021	0.5	72.3	--
AF1-ESW03	AF1-ESW03-S-0.5	10/14/2021	0.5	65	--
AF1-ESW04	AF1-ESW04-S-0.5	10/15/2021	0.5	93.9	--
AF1-NSW02	AF1-NSW02-S-0.5	10/14/2021	0.5	101	--
AF1-NSW03	AF1-NSW03-S-0.5	10/19/2021	0.5	222	--
AF1-NSW04	AF1-NSW04-S-0.5	10/19/2021	0.5	257	--
AF1-NSW05	AF1-NSW05-S-0.5	10/19/2021	0.5	176	--
AF1-NWSW02	AF1-NWSW02-S-0.5	10/13/2021	0.5	84.5	--
AF1-SSW01	AF1-SSW01-S-0.5	10/5/2021	0.5	39.3	--
AF1-SSW02	AF1-SSW02-S-0.5	10/5/2021	0.5	104	--
AF1-SSW03	AF1-SSW03-S-0.5	10/14/2021	0.5	104 J	--
AF1-SSW04	AF1-SSW04-S-0.5	10/19/2021	0.5	111	--
AF1-SSW05	AF1-SSW05-S-0.5	10/19/2021	0.5	133	--
AF1-SSW06	AF1-SSW06-S-0.5	10/22/2021	0.5	71.1	--
AF1-WSW03	AF1-WSW03-S-0.5	10/13/2021	0.5	52.9	--
AF1-WSW04	AF1-WSW04-S-0.5	10/13/2021	0.5	92.7	--
AF2-BASE01	AF2-BASE01-S-1.0	10/11/2021	1.0	62.5	--
AF2-BASE02	AF2-BASE02-S-1.0	10/11/2021	1.0	35	--
AF2-BASE03	AF2-BASE03-S-1.0	10/11/2021	1.0	32.1	--
AF2-ESW01	AF2-ESW01-S-1.0	10/11/2021	1.0	56.5	--
AF2-ESW02	AF2-ESW02-S-1.0	10/11/2021	1.0	42.1	--
AF2-NSW01	AF2-NSW01-S-1.0	10/11/2021	1.0	31.9	--
AF2-SSW01	AF2-SSW01-S-1.0	10/11/2021	1.0	37.7	--
AF2-WSW01	AF2-WSW01-S-1.0	10/11/2021	1.0	49.6	--
AF2-WSW02	AF2-WSW02-S-1.0	10/11/2021	1.0	26.6	--

Table 5-1
Athletic Field—
Soil Confirmation Sample Analytical Results
Northern State Multi Service Center
Sedro-Woolley, Washington

NOTES:

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

-- = not analyzed.

AF = athletic field.

J = result is estimated.

mg/kg = milligrams per kilogram.

mg/L = milligrams per liter.

MTCA = Washington State Model Toxics Control Act.

TCLP = toxicity characteristic leaching procedure.

U = result is non-detect.

REFERENCE:

⁽¹⁾Ecology, Cleanup Levels and Risk Calculation (CLARC) table. July 2024.

⁽²⁾EPA 40 CFR part 261.24, maximum concentration for the toxicity characteristic, table 1.

**Table 5-2
Former Ward Building—
Soil Confirmation Sample Analytical Results
Northern State Multi Service Center
Sedro-Woolley, Washington**



Location	Sample Name	Collection Date	Collection Depth (ft bgs)	Arsenic (mg/kg)	Arsenic (mg/L)
				Fraction	TCLP
				Total	TCLP
MTCA A, Unrestricted Land Use ⁽¹⁾ :				20	NV
TCLP Regulatory Limit ⁽²⁾ :				NV	5
WB-BASE01	WB-BASE01-S-1.5	10/13/2021	1.5	19.2	--
WB-BASE02	WB-BASE02-S-0.5	10/7/2021	0.5	16.1	--
WB-BASE03	WB-BASE03-S-0.5	10/7/2021	0.5	17.4	--
WB-BASE04	WB-BASE04-S-0.5	10/7/2021	0.5	23	--
WB-BASE05	WB-BASE05-S-0.5	10/7/2021	0.5	16.6	--
WB-BASE06	WB-BASE06-S-1.0	10/8/2021	1.0	14.7 J	--
WB-BASE07	WB-BASE07-S-1.5	10/13/2021	1.5	5.7	--
WB-BASE08	WB-BASE08-S-1.5	10/13/2021	1.5	3.05	--
WB-BASE09	WB-BASE09-S-1.2	10/21/2021	1.2	13.4	--
WB-BASE10	WB-BASE10-S-1.5	10/13/2021	1.5	12.3	--
WB-BASE11	WB-BASE11-S-2.0	10/13/2021	2.0	8.47	--
WB-BASE12	WB-BASE12-S-2.2	10/20/2021	2.2	28	--
WB-BASE13	WB-BASE13-S-2.0	10/13/2021	2.0	16.3	--
WB-BASE14	WB-BASE14-S-1.0	10/8/2021	1.0	13.5	--
WB-BASE15	WB-BASE15-S-2.0	10/13/2021	2.0	15.1	--
WB-BASE16	WB-BASE16-S-1.5	10/13/2021	1.5	3.49	--
WB-BASE17	WB-BASE17-S-2.0	10/13/2021	2.0	16.5	--
WB-BASE18	WB-BASE18-S-1.5	10/13/2021	1.5	13.9	--
WB-BASE19	WB-BASE19-S-2.2	10/20/2021	2.2	22.2	--
WB-BASE20	WB-BASE20-S-1.0	10/11/2021	1.0	16.5	--
WB-BASE21	WB-BASE21-S-1.0	10/11/2021	1.0	12.6	--
WB-BASE22	WB-BASE22-S-2.2	10/21/2021	2.2	4.62	--
WB-BASE23	WB-BASE23-S-1.7	10/21/2021	1.7	6.55	--
WB-BASE24	WB-BASE24-S-1.5	10/13/2021	1.5	9.81	--
WB-BASE25	WB-BASE25-S-1.0	10/11/2021	1.0	17.9	--
WB-BASE26	WB-BASE26-S-1.0	10/11/2021	1.0	13.3	--
WB-BASE27	WB-BASE27-S-1.0	10/11/2021	1.0	6.26	--
WB-BASE28	WB-BASE28-S-1.0	10/11/2021	1.0	9.77	--
WB-BASE29	WB-BASE29-S-2.0	10/13/2021	2.0	15.7	--
WB-BASE30	WB-BASE30-S-2.2	10/22/2021	2.2	3.11	--
WB-BASE30	WB-BASE30-S-Dup	10/22/2021	2.2	5.18	--
WB-BASE31	WB-BASE31-S-1.5	10/22/2021	1.5	8.07	--
WB-BASE32	WB-BASE32-S-1.5	10/22/2021	1.5	10.6	--
WB-BASE33	WB-BASE33-S-1.0	10/11/2021	1.0	5.79	--
WB-BASE34	WB-BASE34-S-1.0	10/11/2021	1.0	11.9	--

Table 5-2
Former Ward Building—
Soil Confirmation Sample Analytical Results
Northern State Multi Service Center
Sedro-Woolley, Washington



Location	Sample Name	Collection Date	Collection Depth (ft bgs)	Arsenic (mg/kg)	Arsenic (mg/L)
Fraction				Total	TCLP
MTCA A, Unrestricted Land Use ⁽¹⁾ :				20	NV
TCLP Regulatory Limit ⁽²⁾ :				NV	5
WB-BASE35	WB-BASE35-S-1.0	10/11/2021	1.0	16.1	--
WB-BASE36	WB-BASE36-S-1.5	10/21/2021	1.5	4.59	--
WB-BASE37	WB-BASE37-S-1.5	10/21/2021	1.5	3.01	--
WB-BASE38	WB-BASE38-S-1.0	10/11/2021	1.0	2.27	--
WB-BASE39	WB-BASE39-S-1.0	10/11/2021	1.0	7.95	--
WB-BASE40	WB-BASE40-S-1.0	10/11/2021	1.0	5.45	--
WB-BASE41	WB-BASE41-S-1.0	10/11/2021	1.0	5.82	--
WB-BASE42	WB-BASE42-S-1.0	10/11/2021	1.0	2.22	--
WB-BASE43	WB-BASE43-S-1.0	10/11/2021	1.0	3.74	--
WB-BASE44	WB-BASE44-S-1.0	10/20/2021	1.0	8.52	--
WB-BASE45	WB-BASE45-S-1.0	10/20/2021	1.0	11.9	--
WB-BASE46	WB-BASE46-S-2.0	10/21/2021	2.0	14.8	--
WB-BASE47	WB-BASE47-S-1.0	10/21/2021	1.0	7.35	--
WB-BASE48	WB-BASE48-S-1.0	10/21/2021	1.0	4.41	--
WB-BASE49	WB-BASE49-S-1.5	10/22/2021	1.5	8.67	--
WB-BASE50	WB-BASE50-S-1.5	10/22/2021	1.5	5.4	--
WB-ESW01	WB-ESW01-S-1.0	10/11/2021	1.0	3.85	--
WB-ESW04	WB-ESW04-S-1.0	10/11/2021	1.0	18.3	--
WB-ESW05	WB-ESW05-S-1.0	10/11/2021	1.0	7.51	--
WB-ESW06	WB-ESW06-S-1.5	10/22/2021	1.5	17.5	--
WB-NSW01	WB-NSW01-S-1.0	10/7/2021	1.0	13.2	--
WB-NSW02	WB-NSW02-S-0.5	10/7/2021	0.5	10.6	--
WB-NSW03	WB-NSW03-S-0.5	10/7/2021	0.5	17.9	--
WB-NSW04	WB-NSW04-S-1.0	10/7/2021	1.0	12	--
WB-NSW05	WB-NSW05-S-0.5	10/7/2021	0.5	17.5	--
WB-NWSW05	WB-NWSW05-S-1.0	10/20/2021	1.0	14.9 J	--
WB-SESW01	WB-SESW01-S-1.0	10/11/2021	1.0	12.8	--
WB-SESW02	WB-SESW02-S-1.0	10/11/2021	1.0	19.6	--
WB-SESW07	WB-SESW07-S-1.0	10/21/2021	1.0	9.71	--
WB-SESW08	WB-SESW08-S-1.0	10/27/2021	1.0	45.6	--
WB-SSW01	WB-SSW01-S-1.0	10/8/2021	1.0	7.51	--
WB-SSW02	WB-SSW02-S-1.0	10/8/2021	1.0	5.33	--
WB-SSW03	WB-SSW03-S-1.0	10/8/2021	1.0	7.16	--
WB-WSW02	WB-WSW02-S-1.0	10/8/2021	1.0	16.3	--
WB-WSW03	WB-WSW03-S-1.0	10/8/2021	1.0	7.02	--

**Table 5-2
Former Ward Building—
Soil Confirmation Sample Analytical Results
Northern State Multi Service Center
Sedro-Woolley, Washington**



Location	Sample Name	Collection Date	Collection Depth (ft bgs)	Arsenic (mg/kg)	Arsenic (mg/L)
Fraction				Total	TCLP
MTCA A, Unrestricted Land Use ⁽¹⁾ :				20	NV
TCLP Regulatory Limit ⁽²⁾ :				NV	5
WB-WSW04	WB-WSW04-S-1.0	10/8/2021	1.0	7.76	--
WB-WSW06	WB-WSW06-S-2.0	10/21/2021	2.0	29.1	--
HA41	HA41-S-0.5	12/5/2019	0.5	13	--
HA42	HA42-S-0.5	12/5/2019	0.5	17	--
HA46	HA46-S-0.5	12/5/2019	0.5	12	--
HA51	HA51-S-0.5	12/5/2019	0.5	19	--
<p>NOTES:</p> <p>Shading indicates values that exceed screening criteria; non-detects ("U") were not compared with screening criteria.</p> <p>-- = not analyzed.</p> <p>mg/kg = milligrams per kilogram.</p> <p>mg/L = milligrams per liter.</p> <p>MTCA = Washington State Model Toxics Control Act.</p> <p>TCLP = toxicity characteristic leaching procedure.</p> <p>U = result is non-detect.</p> <p>WB = former Ward building.</p> <p>REFERENCE:</p> <p>⁽¹⁾Ecology, Cleanup Levels and Risk Calculation (CLARC) table. July 2024.</p> <p>⁽²⁾EPA 40 CFR part 261.24, maximum concentration for the toxicity characteristic, table 1.</p>					

Table 5-3
Stockpiles—
Soil Sample Analytical Results
Northern State Multi Service Center
Sedro-Woolley, Washington

Location:	MTCA A, Unrestricted Land Use ⁽¹⁾	TCLP Regulatory Limit ⁽²⁾	Stockpiles					
Sublocation:			Former Ward Building			Athletic Field		
Sample Name:			WB-StockPile01	WB- STOCKPILE02	WB- STOCKPILE03	AF- STOCKPILE01	AF- STOCKPILE02	AF- STOCKPILE03
Collection Date:			10/11/2021	10/21/2021	10/21/2021	10/12/2021	10/21/2021	10/21/2021
TCLP Metals (mg/L)								
Arsenic	NA	5	--	1 U	1 U	--	--	--
Lead	NA	5	--	--	--	1 U	1 U	1 U
Total Metals (mg/kg)								
Arsenic	20	NA	1.16	48.9 J	73.6	--	--	--
Lead	250	NA	--	--	--	285	50.4	80.7
NOTES: Stockpile samples were collected as ten-point composites to inform waste characterization and disposal. Shading indicates values that exceed screening criteria; non-detects ("U") were not compared with screening criteria. -- = not analyzed. AF = athletic field. mg/kg = milligrams per kilogram. mg/L = milligrams per liter. MTCA = Washington State Model Toxics Control Act. NA = not applicable. TCLP = toxicity characteristic leaching procedure. U = result is non-detect. WB = former Ward building. REFERENCES: ⁽¹⁾ Ecology, Cleanup Levels and Risk Calculation (CLARC) table. July 2024. ⁽²⁾ EPA 40 CFR part 261.24, maximum concentration for the toxicity characteristic, table 1.								

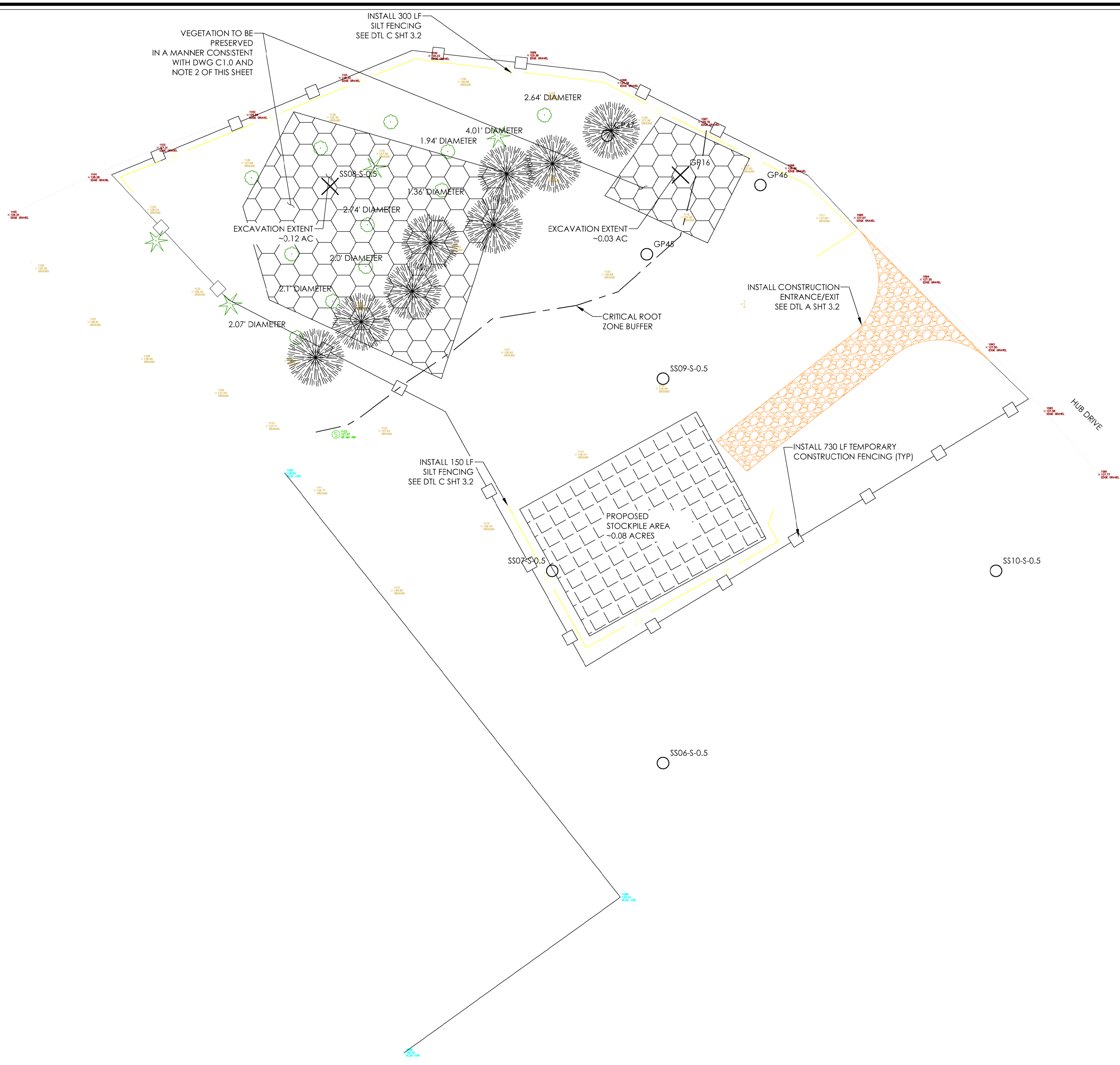
Appendix A

Construction Surveys

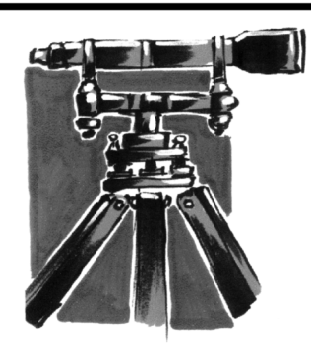
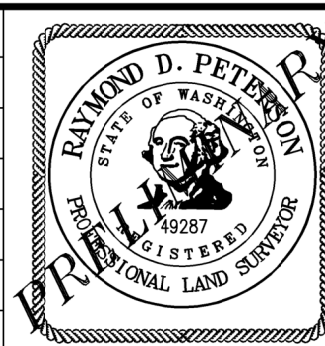


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NO.	REVISION	BY	DATE



LD&S, INC.
 5160 INDUSTRIAL PL. #108
 FERNDALE, WA 98248
 PHONE 360-383-0620
 FAX 360-383-0639

PROJECT #: 20XX
 DATE: 9/24/2021
 DESIGNED BY: -
 DRAWN BY: SLG
 CHECKED BY: RDP

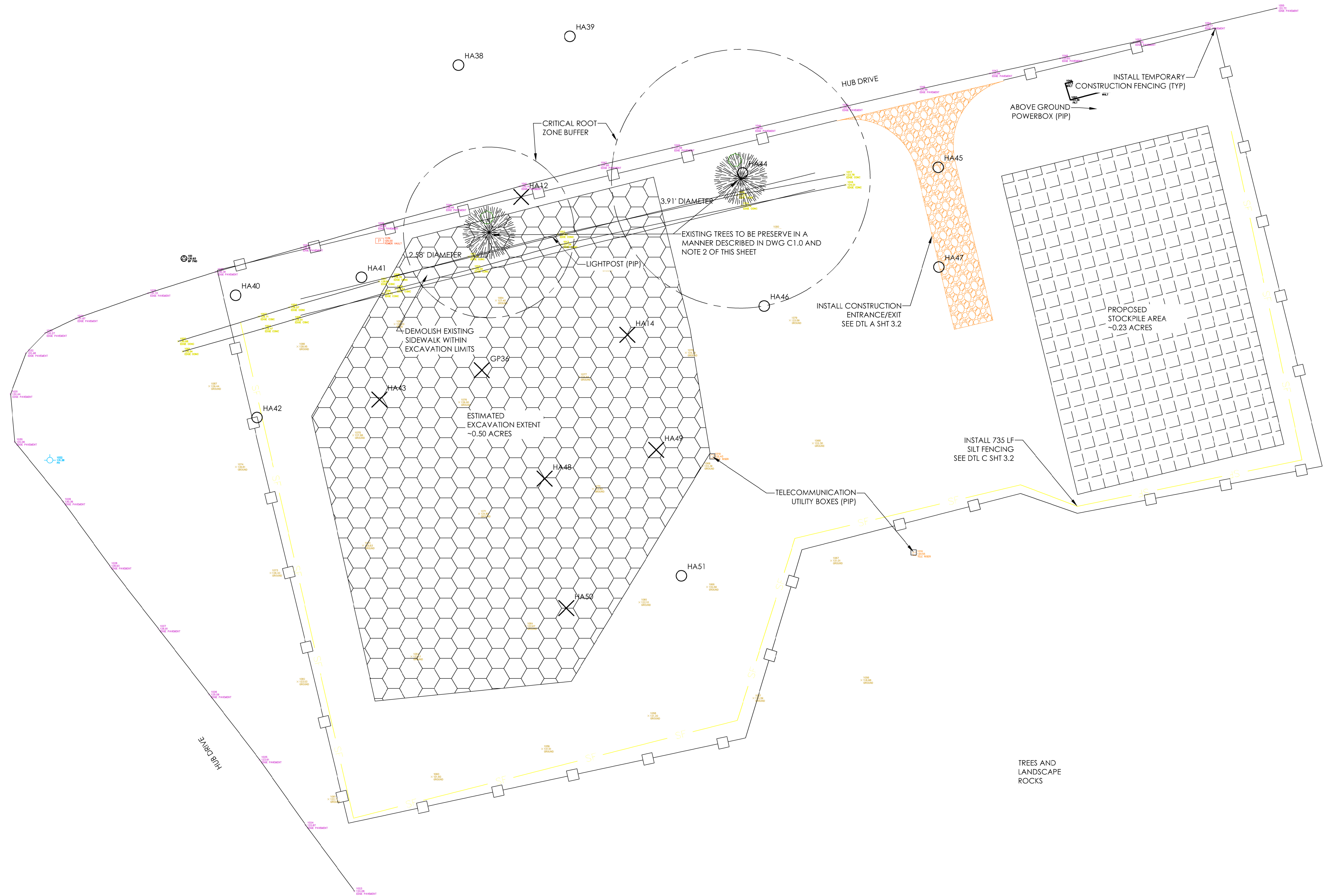
CLIENT NAME

CLIENT ADDRESS

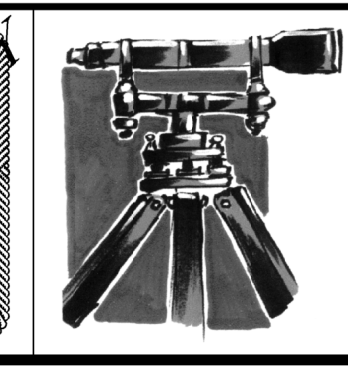
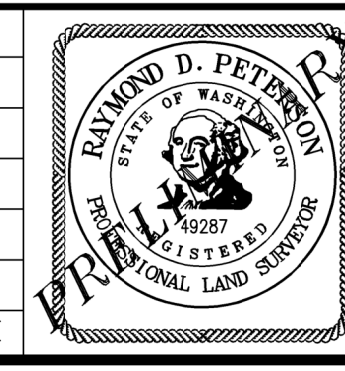
EXISTING CONDITIONS
NORTHERN STATE HOSPITAL - INTERIM ACTION
ATHLETIC FIELD SITE
 A PORTION OF THE XX 1/4 OF THE XX 1/4 OF
 SECTION XX, TOWNSHIP XX N., RANGE X E., W.M.
 WHATCOM COUNTY, WASHINGTON

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R:\Common\Land Projects\2021\2108 - Northern State Hospital - Survey Staking Branding PLOT DATE: 9/27/2021 12:38 PM



NO.	REVISION	BY	DATE



LD&S, INC.
 5160 INDUSTRIAL PL. #108
 FERNDALE, WA 98248
 PHONE 360-383-0620
 FAX 360-383-0639

PROJECT #: 20XX
 DATE: 9/24/2021
 DESIGNED BY: -
 DRAWN BY: SLG
 CHECKED BY: RDP

CLIENT NAME

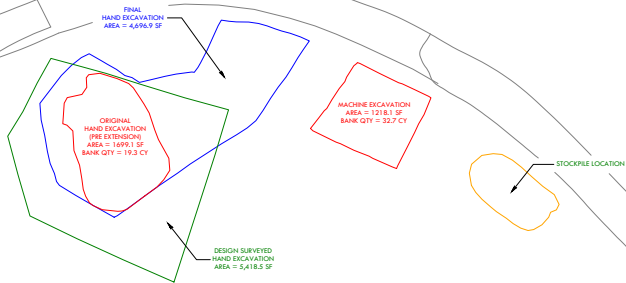
CLIENT ADDRESS

EXISTING CONDITIONS
 NORTHERN STATE HOSPITAL - INTERIM ACTION
 FORMER WARD SITE
 A PORTION OF THE XX 1/4 OF THE XX 1/4 OF
 SECTION XX, TOWNSHIP XX N., RANGE X E., W.M.
 WHATCOM COUNTY, WASHINGTON

SHEET
01
 OF
 01

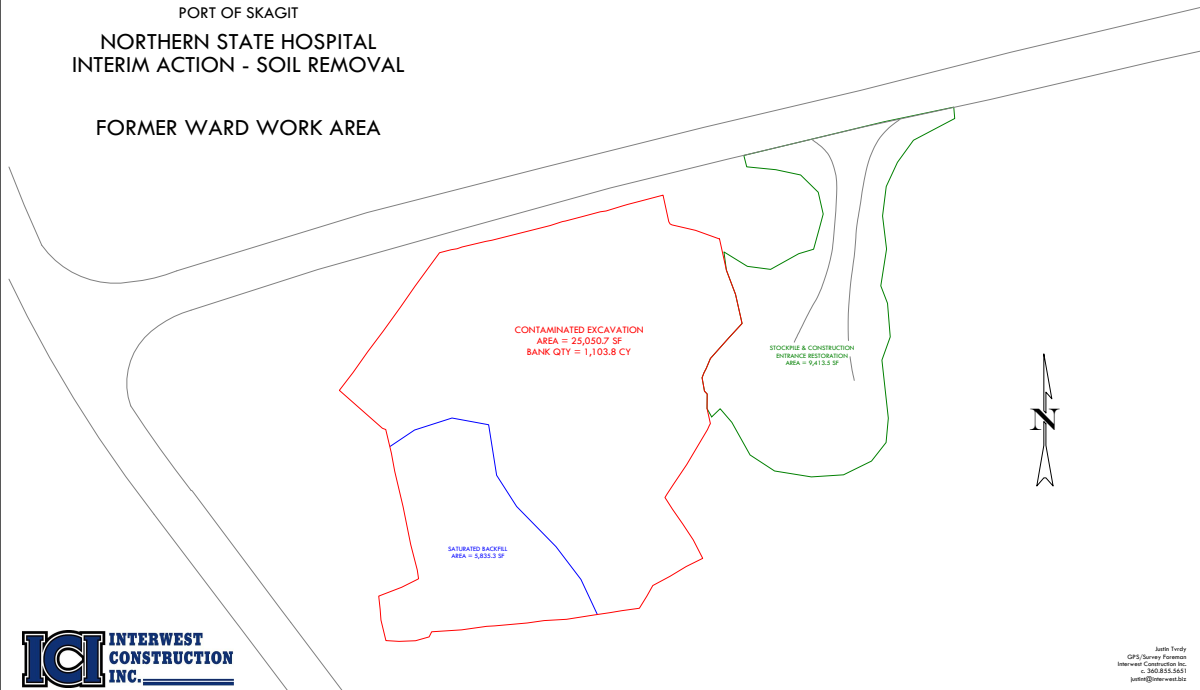
PORT OF SKAGIT
NORTHERN STATE HOSPITAL
INTERIM ACTION - SOIL REMOVAL

PLAY FIELD WORK AREA



PORT OF SKAGIT
NORTHERN STATE HOSPITAL
INTERIM ACTION - SOIL REMOVAL

FORMER WARD WORK AREA



CONTAMINATED EXCAVATION
AREA = 25,050.7 SF
BANK QTY = 1,103.8 CY

SATURATED BACKFILL
AREA = 5,835.3 SF

STOCKPILE & CONSTRUCTION
ENTRANCE RESTORATION
AREA = 9,413.2 SF




Appendix B

Sample of Daily Construction Report



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CONSTRUCTION DAILY REPORT
AOC 4—Interim Remedial Action
Former Northern State Hospital
Sedro-Woolley, Washington

Daily Report Number:	10212021-EJL	 MAUL FOSTER ALONGI 330 E Mill Plain Blvd, Suite 405 Vancouver, WA 98660 360-694-2691		
Date:	2021-10-21			
Weather:	AM: Overcast			
	PM: Overcast			
Temperature:	Min: 48° F			
	Max: 64° F			
24hr Precipitation:	Trace	Dust Conditions:	N/A	
Completed by:	Evelyn Lundeen, EIT	Number of Contractor Employees		
Contractor:	ICI	Supervisory	Operators	Laborers
			1	3
Work Performed Today				
Location	Sub Location	Description of Work	Time Started	Time Ended
Ward Building		Excavation and Handling	7:45	15:00
Athletic Field		Excavation and Handling	8:30	15:00
Athletic Field		Erosion and Sediment Control	15:00	15:30
Ward Building		Temporary Stockpiling	15:00	15:45
Ward Building		Erosion and Sediment Control	15:45	16:15
Additional Remarks: Continue overexcavation in ward building area.				
Inspections and Tests				
Inspection/Test Type		Location	Form No.	
Additional Remarks: None				
Subcontractors Onsite				
Company Name:	Work Area	Time Started	Time Ended	# Employees
Additional Remarks:				

CONSTRUCTION DAILY REPORT
AOC 4—Interim Remedial Action
Former Northern State Hospital
Sedro-Woolley, Washington

Daily Report		10212021-EJL	
Date:	10/21/2021	Completed by:	Evelyn Lundeen, EIT
Visitors			
Time	Name(s)	Agency/Company	Remarks
8:15	Zach Helms	Port of Skagit	Discussed damaged drain pipe and was able to confirm it was abandoned and did not need repairs.
Additional Remarks: None			
Verbal Communications with Contractor			
Time	Name(s)	Remarks	Action Item?
Additional Remarks			
Construction Issues Tracking			
Location	Description	Resolution	Action Item?
Ward Building	Cracked french drain	Port determined drain was abandoned.	No
Additional Remarks:			

CONSTRUCTION DAILY REPORT
AOC 4—Interim Remedial Action
Former Northern State Hospital
Sedro-Woolley, Washington

Daily Report	10212021-EJL		
Date:	10/21/2021	Completed by:	Evelyn Lundeen, EIT

Photos



1: Overexcavation in former ward building area looking northeast.



2: Hand tool excavation covered with plastic sheeting looking north.

Appendix C

Construction Photo Array



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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 1.

Description

Athletic Field vegetated
area, looking southwest.
07/22/20



Photo No. 2.

Description

Athletic Field, looking
southeast. 07/22/20





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 3.

Description

Northern portion of the former Ward Building area, looking east.
07/22/20



Photo No. 4.

Description

Southern portion of the former Ward Building area, looking north.
07/22/20





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 5.

Description

Straw wattles looking southeast in Athletic Field area, looking southeast. 10/04/21



Photo No. 6.

Description

Straw wattles looking northeast in former ward building area, looking west. 10/04/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 7.

Description

ICI contractors excavate soil from athletic field area with hand tools. 10/05/21



Photo No. 8.

Description

Excavation area in athletic field area covered in plastic sheeting. 10/05/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 9.

Description

ICI contractors excavate soils from Athletic Field with hand tools.
10/06/21



Photo No. 10.

Description

Soil excavation in former Ward Building area, looking north.
10/07/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 11.

Description

Soil excavation in former
Ward Building area,
looking northwest.
10/07/21



Photo No. 12.

Description

Soil excavation in former
Ward Building area,
looking northeast.
10/08/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 13.

Description

Soil excavation in former
Ward building area,
looking southwest.
10/08/21



Photo No. 14.

Description

Soil excavation in
Athletic Field area,
looking north.
10/11/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 15.

Description

Covered excavation and stockpile in former Ward Building area, looking east. 10/11/21



Photo No. 16.

Description

Soil excavation completed with mini excavator in Athletic Field, looking southeast. 10/12/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 17.

Description

Soil excavation progress in Athletic Field, looking northwest. 10/12/21



Photo No. 18.

Description

Soil excavation in Athletic Field covered with plastic sheeting after excavation activities completed for the day. 10/13/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 19.

Description

Covered excavation and stockpile in former Ward Building area.
10/13/21



Photo No. 20.

Description

Northeast corner of the Athletic Field excavation area, looking north.
10/18/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 21.

Description

Over excavation in former Ward Building area, looking southwest. 10/20/21



Photo No. 22.

Description

Construction entrance for former Ward Building area, looking southwest. 10/20/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 23.

Description

Over excavation in former Ward Building area, looking northeast. 10/22/21



Photo No. 24.

Description

Over excavation in former Ward building area, looking southwest. 10/22/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 25.

Description

Demarcation fabric placement and backfilling in former Ward Building area.
11/01/21



Photo No. 26.

Description

Placement of demarcation fabric in former Ward Building area, looking south.
11/02/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 27.

Description

Demarcation fabric placement in Athletic Field area, looking west.
11/02/21



Photo No. 28.

Description

Backfilling and placement of demarcation fabric in athletic field area, looking northeast.
11/02/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 29.

Description

Wood chip placement in vegetated area of the Athletic Field, looking southwest. 11/08/21



Photo No. 30.

Description

Backfilling activities in former Ward Building area. 11/08/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 31.

Description

Wood chips as final restoration in vegetated area of the Athletic Field, looking west. 11/18/21



Photo No. 32.

Description

Backfilling in former Ward Building area, looking east. 11/18/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 33.

Description

Backfilling in Athletic Field, looking southwest.
11/22/21



Photo No. 34.

Description

Wood chip restoration area in Athletic Field, looking southwest.
11/22/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 35.

Description

Winterizing of portion of
Athletic Field area,
looking west. 12/03/21



Photo No. 36.

Description

Winterizing of former
Ward Building area,
looking southeast.
12/03/21





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 37.

Description

Winterizing of former
Ward Building area,
looking south.
12/03/22



Photo No. 38.

Description

Grading and topsoil
placement of former
Ward Building area,
looking southwest.
8/30/22





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 39.

Description

Grading and topsoil placement with of former Ward Building area with saturated soil in southwest corner of excavation area, looking southeast. 8/30/22



Photo No. 40.

Description

Grading and seeding conditions post-drainage installation at former Ward Building area, looking southeast. 5/22/24.





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 41.

Description

Grading and seeding conditions post-drainage installation at former Ward Building area, looking south. 5/22/24.



Photo No. 42.

Description

Grading and seeding conditions post-drainage installation at former Ward Building area, looking north. 5/22/24.





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Photographs

Project Name: AOC 4—Interim Remedial Action
Project Number: M0624.04.019
Location: Northern State Multi Service Center Site
Sedro-Woolley, Washington

Photo No. 43.

Description

Grading and seeding conditions post-drainage installation at former Ward Building area, looking south. 5/22/24.



Appendix D

Inadvertent Discovery Plan



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INADVERTENT DISCOVERY PLAN

April 2020

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

Project Title: **Investigation and Cleanup, Northern State Multi Service Center**

Project Proponent: **Maul Foster & Alongi, Inc. on behalf of the Port of Skagit**

Remedial Action Grant Agreement No.: **TCPRA-1921-SkagiCp-00077**

County: **Skagit**

Address: **2070 Northern State Road, Sedro-Woolley, WA**

Section **08**, Township **35N**, Range **5E**

1. INTRODUCTION

This Inadvertent Discovery Plan (IDP) outlines procedures to perform in the event of discovering cultural resources or human remains, in accordance with Washington State preservation laws. These laws concern historic preservation, archaeology, human remains and cemeteries.

2. RECOGNIZING CULTURAL RESOURCES

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

- a. An accumulation of shell, burned rocks, or other food related materials.
- b. Bones or small pieces of bone.
- c. An area of charcoal or very dark stained soil with artifacts.
- d. Stone tools or waste flakes (i.e. an arrowhead. or stone chips).
- e. Clusters of tin cans or bottles, logging or agricultural equipment that appears to be older than 50 years.
- f. Buried railroad tracks, decking, or other industrial materials.

When in doubt, assume the material is a cultural resource. See cultural resource images in Appendix A.

3. ON-SITE RESPONSIBILITIES

STEP 1: *Stop Work*. If any employee, contractor or subcontractor believes that he or she has discovered a cultural resource, leave it in place and stop work in the area (about a 100 foot radius). Notify the appropriate party(s). Do not allow vehicles, equipment, and unauthorized personnel to traverse the discovery area. Delineate and secure the area to protect the integrity of the discovery.

Upon encountering cultural resources within a boring, discontinue all further work within that boring.

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

Licensed Archaeologist for Project: Garth L. Baldwin, M.A., RPA 16248 (360) 739-3921 garth@draytonarchaeology.com	
--	--

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

Project Manager: Carolyn Wise (360) 594-6255 cwise@maulfoster.com	Assigned Project Manager Alternate: Phil Wiescher (503) 594-6267 pwiescher@maulfoster.com
--	--

The Project Manager or alternate will make all calls and necessary notifications.

If human skeletal remains are encountered, treat them with dignity and respect at all times. Cover the remains with a tarp or other materials (not soil or rocks) for temporary protection and to shield them from being photographed. **Do not call 911 or speak with the media. Do not take pictures. Follow the procedure described in Section 5.**

4. PROJECT MANAGER RESPONSIBILITIES UPON DISCOVERY OF POTENTIAL CULTURAL RESOURCES

- a. *Protect Potential Find:* Ensure no work occurs within the discovery area (about a 100-foot radius around potential find) delineate and secure the discovery area to protect the integrity of the discovery. Vehicles, equipment, and unauthorized personnel will not be permitted to traverse the discovery site. Work in the immediate area will not resume until treatment of the discovery has been completed following provisions for treating archaeological/cultural material as set forth in this document.
- b. *Direct Sampling/Construction Activities Elsewhere:* Direct sampling/construction activities away from the discovery area prior to contacting the concerned parties.
- c. *Contact the Department of Ecology:* Maintain regular communications until treatment of the discovery is completed as set forth in this IDP:

Department of Ecology (Ecology) Contacts:

Project Manager Tena Seeds, P.E. (425) 649-7008 tena.seeds@ecy.wa.gov	Cultural Resource Specialist Donna Podger (360) 407-7016 donna.podger@ecy.wa.gov
---	--

- d. *Provide Archaeological Examination:* Ensure that a qualified professional archaeologist examines the find. If the archaeologist determines that the find:
- Is not archaeological or historical material, or human remains/funerary objects; work may proceed with no further delay.
 - Is archaeological or historical material; contact the Washington Department of Archaeology and Historic Preservation (DAHP), affected Tribes, and involved federal agencies (if any). See contacts below. Document discoveries as described in Section 6.
 - May be human remains or funerary objects, ensure that a qualified physical anthropologist examines the find. **If it is determined to be human remains, follow the procedure described in Section 5.**
- e. *Protect Confirmed Find:* The archaeologist may refine the boundaries of the cultural resource discovery area. Do not work in this designated area until treatment of the discovery is completed, following the procedures set forth in this IDP.

DAHP Contacts:

Allyson Brooks, Ph.D. State Historic Preservation Officer 360-586-3066 allyson.brooks@dahp.wa.gov	Rob Whitlam, Ph.D. State Archaeologist Office: 360-586-3080 Cell: 360-890-2615 rob.whitlam@dahp.wa.gov
Alternate: Rob Whitlam, Ph.D. State Archaeologist Office: 360-586-3080 Cell: 360-890-2615 rob.whitlam@dahp.wa.gov	Alternate: Lance Wollwage, Ph.D. Assistant State Archaeologist Office: 360-586-3536 Cell: 360-890-2616 lance.wollwage@dahp.wa.gov

Tribal Contacts:

Lummi Nation Lena Tso, THPO Cultural Resources (360) 312-2257 lenat@lummi-nsn.gov	Samish Indian Nation Jackie Ferry, Cultural Resources (360) 293-6404 x215 jferry@samishtribe.nsn.us
Sauk-Suiattle Indian Tribe Alex Frey, Cultural Resources (360) 436-0333 afrey@sauk-suiattle.com	Snoqualmie Indian Tribe Steve Mullen-Moses, Director (425) 292-0249 x2010 steve@snoqualmietribe.us Adam Osbekoff, Assistant Director adam@snoqualmietribe.us

Stillaguamish Tribe of Indians Kerry Lyste, THPO Cultural Resources (360) 652-7362 x226 klyste@stillaguamish.com	Swinomish Indian Tribal Community Larry Campbell, THPO (360) 466-7352 lcampbell@swinomish.nsn.us
Tulalip Tribes Richard Young, Cultural Resources (360) 716-2652 ryoung@tulaliptribes-nsn.gov	Upper Skagit Tribe Scott Schuyler, Cultural Resources (360) 854-7009 sschuyler@upperskagit.com
Confederated Tribes and Bands of the Yakama Nation Kate Valdez, THPO (509) 985-7596 kate@yakama.com	

5. SPECIAL PROCEDURES FOR THE DISCOVERY OF HUMAN SKELETAL REMAINS

If human skeletal remains are encountered, cease all work that may cause further disturbance to the remains, and secure and protect the discovery area. Any human skeletal remains, regardless of antiquity or ethnic origin, will at all times be treated with dignity and respect. Do not touch, move, or further disturb the remains and do not take photographs by any means, unless you are pre-approved to do so.

If the project occurs on federal lands or receives federal funding (e.g., national forest or park, military reservation) the provisions of the Native American Graves Protection and Repatriation Act of 1990 apply, and the responsible federal agency will follow its provisions. Note that state highways that cross federal lands are on an easement and are not owned by the state.

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

Project Manager: immediately call the Skagit County Medical Examiner’s Office and the Sedro-Woolley Police Department:

Skagit County Medical Examiner 124 West Gates Street Mount Vernon, WA 98273 (360) 336-9431	Sedro-Woolley Police Department 325 Metcalf Street Sedro-Woolley, WA 98284 (360) 855-0111 or (360) 428-3211 (after business hours)
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The medical examiner and law enforcement personnel will determine if the remains are human and whether the discovery site constitutes a crime scene. If the remains constitute a crime scene (forensic), the medical examiner will retain jurisdiction. If they do not constitute a crime scene (non-forensic), the medical examiner will notify DAHP.

DAHP will have jurisdiction over non-forensic remains until provenance of the remains is established.

Sampling/construction in the discovery area may resume only as directed by the medical examiner/law enforcement personnel for forensic remains and by DAHP for non-forensic remains.

6. DOCUMENTATION OF CULTURAL RESOURCES

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

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

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

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

Sediments excavated for purposes of cultural resources investigation will be screened through 1/8-inch mesh, unless soil conditions warrant 1/4-inch mesh.

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

If field assessment work exposes human skeletal remains, the process described in Section 5 will be followed.

Within 30 days of concluding fieldwork, the Project Manager will provide a technical report summarizing the work and findings of the professional archaeologist to Ecology, the federal agencies (if any), DAHP, and the affected tribes.

7. PROCEEDING WITH WORK

Work outside the designated discovery area may continue while documentation and assessment of the discovery proceeds. A professional archaeologist must determine the boundaries of the discovery location.

Work inside the discovery area may resume only after treatment of the discovery is completed in accordance with this IDP, and with the concurrence of the Project Manager, DAHP, affected tribes, federal agencies (if any), and Ecology. For forensic human remains, the county examiner and law enforcement personnel must concur with resumption of work.

8. IDP AVAILABILITY AND USE

The IDP must be immediately available on-site, be implemented to address any discovery, and be available by request by any party. The IDP must be discussed and reviewed with all personnel performing fieldwork in advance of commencing fieldwork.

APPENDIX A
Cultural Resource Images

Print images in color for accuracy.

Implement the IDP if...

You see chipped stone artifacts.

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



Implement the IDP if...

You see ground or pecked stone artifacts.

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



Implement the IDP if...

You see bone or shell artifacts.

- Often pointed if used as a tool
- Often wedge shaped like a “shoe horn”
- Often smooth
- Unusual shape
- Carved



Bone Awls from Oregon and Bone Wedge from California

Implement the IDP if...

You see bone or shell artifacts.

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



Tooth Pendant and Bone Pendants from Oregon and Washington

Implement the IDP if...

You see fiber or wood artifacts.

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



Artifacts from Mud Bay, Olympia, Washington



Implement the IDP if...

You see historic period artifacts.



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

Implement the IDP if...

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

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



Unknown Sites

Implement the IDP if...

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

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



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

Implement the IDP if...

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

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



Site located within WSDOT ROW near Anacortes Ferry Terminal

Implement the IDP if...

You see historic foundations or buried structures.



45KI924, In WSDOT ROW for SR 99 Tunnel

Appendix E

Arborist Report



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ARBORIST NOTES

PROJECT: SWIFT Center AOC 4 Cleanup – Soil Excavation and Tree Root Monitoring

Prepared For: Port of Skagit
Attn: Heather Rogerson
2070 Northern State Road
Sedro-Woolley, WA 98284

Prepared By: Urban Forestry Services | Bartlett Consulting
Miles Becker
ISA Certified Arborist #PN-7808A
Tree Risk Assessment Qualified

DATE: November 26, 2021

Background

Soil testing found elevated levels of heavy metals or other contaminants within the critical root zones of two groups of trees on the Northern State campus in Sedro-Woolley, Washington. The trees in the athletic field and next to the former Ward Building are part of the historic property. The property owner, Port of Skagit, was tasked with removing the contaminated soil without significantly affecting the health or stability of the trees.

Hand excavation, primarily with shovels, was the only option for removing the top 6 inches of soil where concentration of the contaminants is expected to be highest. Low impact soil removal is typically done with a vactruck, which was not an option at this site due to the need to manage the soil disposal after it was removed. Heather Rogerson, representing the Port of Skagit, contacted our office to request assistance with monitoring the hand excavation within the critical root zones. Our objectives were to 1) instruct the work crew on how to conserve as many roots as possible, 2) anticipate the effects of the soil removal on the trees, and 3) make recommendations for post-excavation care.

Our consultants were on-site for the first day of excavation that started October 5, 2021. Instructions were given to the work crew for avoiding damage to roots over 2 inches in diameter. We assisted with root pruning of smaller roots to leave clean cuts that are easier for the tree to compartmentalize. Evelyn Lundeen, the project engineer, was on-site to sample soil and determine the limits of excavation. We revisited the site to monitor progress through the near completion of the project on October 19, 2021. Each tree at the Athletic Field site was marked with a numbered aluminum tag for future reference.

Observations

Excavation started with the grove of trees next to the Athletic Field. There are 16 trees in the grove aligned approximately east to west with 15 to 20 feet spacing. The most common species are red oak (*Quercus rubra*), horsechestnut (*Aesculus hippocastanum*), and western red cedar (*Thuja plicata*). A complete list of the trees and details on each are provided in Table 1.

The two trees at the site of the former Ward Building are both red oak. They have grown in the open and have abundant soil volume and space for their crowns. They are healthy with no visible structural defects. Tree A is 28 feet east of the area being excavated. Tree B had soil removed over about half its critical root zone on the south side of the tree.

The trees are generally healthy with fair to good vigor and minor, if any, structural defects. They are all viable and have a low risk rating. The roots uncovered in the top 6 inches of soil ranged in diameter from less than ½ to approximately 6 inches. Almost all the roots cut and removed were less than 2 inches in diameter. Some sections of the area under the driplines had dense fine root systems that were cut and removed with the soil. Based on our observations in the field, the trees have shallow root systems that extended beyond the final limits of excavation.

TABLE 1. Trees in the grove at the Athletic Field (#171-#186) and the site of the former Ward Building (A, B). DBH is trunk diameter measured at 4.5 feet above grade.

Tree #	Species	DBH (in)	Dripline Radius (ft)	Notes
171	Quaking aspen	29.2	22	Some small dead branches
172	Western red cedar	42.8	21	Very healthy
173	Quaking aspen	21.5	22	Healthy with some dead branches
174	Horse chestnut	13.2	14	Healthy
175	Red oak	31.7	24	Good form, large surface roots
176	Western red cedar	33	17	Excellent form, thinning crown
177	Red oak	29.8	18	few large branches
178	Red oak	28	23	Some small dead branches
179	Horse chestnut	21.8	21	Approx. 15% dieback
180	Horse chestnut	20.1	14	few large branches
181	Red oak	20	20	Approx. 10% dieback
182	Horse chestnut	19.3	12	One codominant trunk is mostly dead
183	Horse chestnut	22.1	15	Cavity in base surrounded by healthy wood
184	Horse chestnut	21.2	12	Asymmetrical crown
185	Western red cedar	33.5	16	Excellent form, thinning crown
186	Douglas fir	46.3	16	Very healthy, branch failure possible
A	Red oak	34	22	Good form, very healthy
B	Red oak	32	21	Good vigor, large branch failure possible

Anticipated Impacts

Although the roots were encountered at a shallow depth, damage to large structural roots was avoided during excavation. The stability or likelihood of failure of the trees is not expected to change as a result of the soil removal. Many fine roots were removed with the soil, especially for the western red cedar trees. Fine roots absorb water and nutrients, and a decrease in the total number of fine roots can increase the vulnerability of a tree to drought or other environmental stressors. It is not possible to accurately estimate the percentage of fine root loss for each tree from our observations, but it is very likely that less than 20 percent of fine roots were removed from any one tree. The soil removal is not expected to affect the viability of any of the trees, but it may affect their short-term health and justify additional care and maintenance.

Tree Care and Maintenance Recommendations

- Replace the removed soil with topsoil resembling the texture of native soils on the site
- Add only enough soil to match the existing grade
- New soil should be watered after placement over the roots. This can be done by hand or by rain if there is sufficient rainfall.
- Cover the new soil with a 4-inch layer of wood chip or hog fuel mulch in the area under the driplines of the trees. Keep the mulch a few inches away from the trunks. Mulch will be essential for retaining soil moisture and encouraging healthy soil microorganisms to replace those lost during excavation.
- Water or irrigate the affected trees from May through September for the first year (e.g. 2022) after excavation. Watering is best achieved with a technique that releases water slowly to penetrate deeply, such as a soaker hose. Avoid using sprinklers.

Let us know if you have any questions about our observations or recommendations. We can be reached at 360-399-1377 or mbecker@bartlett.com.

Photos



Photo 1. The grove of trees next to the Athletic Field prior to the start of excavation.



Photo 2. The initial hand digging that encounters fine roots.



Photo 3. The topsoil removed within the critical root zone of the trees preserved larger roots.



Photo 4. Plastic was placed over the exposed soil when the limits of excavation were reached.



Photo 5. The two red oak trees next to the site of the former Ward Building after excavation was completed.



Tree #	Species	DBH (in)
171	Quaking aspen	29.2
172	Western red cedar	42.8
173	Quaking aspen	21.5
174	Horse chestnut	13.2
175	Red oak	31.7
176	Western red cedar	33
177	Red oak	29.8
178	Red oak	28
179	Horse chestnut	21.8
180	Horse chestnut	20.1
181	Red oak	20
182	Horse chestnut	19.3
183	Horse chestnut	22.1
184	Horse chestnut	21.2
185	Western red cedar	33.5
186	Douglas fir	46.3
A	Red oak	34
B	Red oak	32

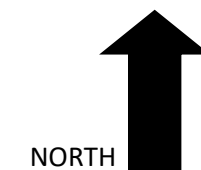


MAP SYMBOL KEY:

- Tree Potentially Impacted
- #156 Tree Number
- Approximate limits of excavation

Base Image Source: GoogleEarth

UFS|BC NOT TO SCALE



Tree Monitoring Site Plan
SWIFT Center—Port of Skagitj

2070 Northern State Road, Sedro-Woolley, WA

© UFS|BC November, 2021
 These documents have been prepared specifically for the above-named project. They are not suitable for use on other projects, or in other locations, and/or without the approval and participation of the Bartlett Tree Expert Company.



Appendix F

Analytical Laboratory Reports



MAUL
FOSTER
ALONGI

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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October 11, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 6, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128 project. There are 23 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
MFA1011R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 6, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110128 -01	Fill
110128 -02	XRF-FS
110128 -03	AF1-ESW01-S-0.5
110128 -04	AF1-ESW02-S-0.5
110128 -05	AF1-SSW02-S-0.5
110128 -06	AF1-SSW01-S-0.5
110128 -07	AF1-WSW02-S-0.5
110128 -08	AF1-WSW01-S-0.5
110128 -09	AF1-NWSW01-S-0.5
110128 -10	AF1-NSW01-S-0.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

Date Extracted: NA

Date Analyzed: 10/07/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
Fill 110128-01	20
XRF-FS 110128-02	20
AF1-ESW01-S-0.5 110128-03	15
AF1-ESW02-S-0.5 110128-04	22
AF1-SSW02-S-0.5 110128-05	26
AF1-SSW01-S-0.5 110128-06	26
AF1-WSW02-S-0.5 110128-07	13
AF1-WSW01-S-0.5 110128-08	17
AF1-NWSW01-S-0.5 110128-09	26
AF1-NSW01-S-0.5 110128-10	24

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

Date Extracted: 10/07/21

Date Analyzed: 10/07/21

**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>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
Fill 110128-01	<5	92
Method Blank 01-2291 MB	<5	96

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

Date Extracted: 10/07/21

Date Analyzed: 10/07/21

**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 48-168)
Fill 110128-01	<50	<250	97
Method Blank 01-2288 MB2	<50	<250	97

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Fill	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-01
Date Analyzed:	10/07/21	Data File:	110128-01.111
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.30
Barium	101
Cadmium	<1
Lead	10.3
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Fill	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-01 x5
Date Analyzed:	10/07/21	Data File:	110128-01 x5.169
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Chromium	22.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	XRF-FS	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-02 x5
Date Analyzed:	10/07/21	Data File:	110128-02 x5.170
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	408
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-ESW01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-03
Date Analyzed:	10/07/21	Data File:	110128-03.055
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	66.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-ESW02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-04 x10
Date Analyzed:	10/07/21	Data File:	110128-04 x10.171
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	998
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-SSW02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-05
Date Analyzed:	10/07/21	Data File:	110128-05.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	104
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-SSW01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-06
Date Analyzed:	10/07/21	Data File:	110128-06.058
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	39.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-WSW02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-07
Date Analyzed:	10/07/21	Data File:	110128-07.059
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	140
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-WSW01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-08 x5
Date Analyzed:	10/07/21	Data File:	110128-08 x5.172
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	260
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-NWSW01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-09
Date Analyzed:	10/07/21	Data File:	110128-09.061
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	182
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-NSW01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-10
Date Analyzed:	10/07/21	Data File:	110128-10.062
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	262
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	NA	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	I1-632 mb
Date Analyzed:	10/07/21	Data File:	I1-632 mb.106
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Fill	Client:	Maul Foster Alongi
Date Received:	10/06/21	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	110128-01 1/25
Date Analyzed:	10/08/21	Data File:	100736.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	81 d	24	111
Phenol-d6	91 d	37	116
Nitrobenzene-d5	89 d	38	117
2-Fluorobiphenyl	97 d	45	117
2,4,6-Tribromophenol	107 d	11	158
Terphenyl-d14	101 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	<0.05
Fluorene	<0.05
Phenanthrene	0.16
Anthracene	0.050
Fluoranthene	0.42
Pyrene	0.33
Benz(a)anthracene	0.30
Chrysene	0.35
Benzo(a)pyrene	0.31
Benzo(b)fluoranthene	0.65
Benzo(k)fluoranthene	0.17
Indeno(1,2,3-cd)pyrene	0.26
Dibenz(a,h)anthracene	0.092
Benzo(g,h,i)perylene	0.24

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110128
Date Extracted:	10/07/21	Lab ID:	01-2330 mb 1/5
Date Analyzed:	10/07/21	Data File:	100723.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	90	24	111
Phenol-d6	97	37	116
Nitrobenzene-d5	102	38	117
2-Fluorobiphenyl	102	45	117
2,4,6-Tribromophenol	90	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: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

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

Laboratory Code: 110128-01 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	115	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

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

Laboratory Code: 110042-46 (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	64	91	99	64-133	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	58-147

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110123-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	12.9	101 b	187 b	75-125	60 b
Barium	mg/kg (ppm)	50	28.7	103	111	75-125	7
Cadmium	mg/kg (ppm)	10	<5	93	92	75-125	1
Chromium	mg/kg (ppm)	50	6.55	89	86	75-125	3
Lead	mg/kg (ppm)	50	<5	91	90	75-125	1
Mercury	mg/kg (ppm)	5	<5	100	98	75-125	2
Selenium	mg/kg (ppm)	5	<5	92	81	75-125	13
Silver	mg/kg (ppm)	10	<5	87	87	75-125	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	93	80-120
Barium	mg/kg (ppm)	50	100	80-120
Cadmium	mg/kg (ppm)	10	100	80-120
Chromium	mg/kg (ppm)	50	105	80-120
Lead	mg/kg (ppm)	50	95	80-120
Mercury	mg/kg (ppm)	5	105	80-120
Selenium	mg/kg (ppm)	5	96	80-120
Silver	mg/kg (ppm)	10	93	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/11/21

Date Received: 10/06/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110128

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

Laboratory Code: 110042-02 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	87	85	34-118	2
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	90	87	29-130	3
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	90	88	37-119	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	95	92	45-128	3
Acenaphthene	mg/kg (ppm)	0.83	<0.01	93	89	36-125	4
Fluorene	mg/kg (ppm)	0.83	<0.01	95	91	48-121	4
Phenanthrene	mg/kg (ppm)	0.83	<0.01	91	89	50-150	2
Anthracene	mg/kg (ppm)	0.83	<0.01	92	91	50-150	1
Fluoranthene	mg/kg (ppm)	0.83	<0.01	94	95	50-150	1
Pyrene	mg/kg (ppm)	0.83	<0.01	98	96	50-150	2
Benzo(a)anthracene	mg/kg (ppm)	0.83	<0.01	97	96	50-150	1
Chrysene	mg/kg (ppm)	0.83	<0.01	99	97	50-150	2
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	97	96	50-150	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	99	98	50-150	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	102	99	50-150	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	90	83	41-134	8
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	92	86	44-130	7
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	88	83	33-131	6

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	86	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	88	67-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	88	66-107
Acenaphthylene	mg/kg (ppm)	0.83	93	70-130
Acenaphthene	mg/kg (ppm)	0.83	90	66-112
Fluorene	mg/kg (ppm)	0.83	92	67-117
Phenanthrene	mg/kg (ppm)	0.83	93	70-130
Anthracene	mg/kg (ppm)	0.83	94	70-130
Fluoranthene	mg/kg (ppm)	0.83	96	70-130
Pyrene	mg/kg (ppm)	0.83	92	70-130
Benzo(a)anthracene	mg/kg (ppm)	0.83	96	70-130
Chrysene	mg/kg (ppm)	0.83	97	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	108	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	101	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	90	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	95	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	92	64-127

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110128

SAMPLE CHAIN OF CUSTODY

ME 10/6/21 BSI/ 1V51

Report To Carolyn Wise

Company Maui Foster + Alonzi

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone 360-594-6255 Email C.wise@maufoster.com

SAMPLES (signature)

PROJECT NAME

AOC 4 Interim Remedial action

PO #

0624.04.19

REMARKS

accounting @ medifast.com

Protect specific RLS? - Yes / No

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Lead by EPA 6020A	Pb, Cd, Hg, As, Cr, Se, Ag, Ba by EPA 6020A	Notes
FILL	01A-E	10/05/21	730	S	5	X	X				X			X	* 48 hr turn
XRF-BS	02R	10/04/21	1030	S	1							X			
AFI-ESW01-S-0.5	03	10/05/21	1415	S	1							X			
AFI-ESW02-S-0.5	04	10/05/21	1424	S	1							X			
AFI-SSW02-S-0.5	05	10/05/21	1430	S	1							X			
AFI-SSW01-S-0.5	06	10/05/21	1437	S	1							X			
AFI-WSW02-S-0.5	07	10/05/21	1445	S	1							X			
AFI-WSW01-S-0.5	08	10/05/21	1450	S	1							X			
AFI-NWSW01-S-0.5	09	10/05/21	1500	S	1							X			
AFI-NWSW01-S-0.5	10	10/05/21	1526	S	1							X			

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: [Signature]

Evelyn Lundberg

MFA

10/5

1725

Received by: [Signature]

Nhan Phan

FEBI

10/6/21

1605

Relinquished by:

Received by:

Received by:

Received by:

Samples received at 4:00

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Page # of

TURNAROUND TIME

Standard turnaround
* RUSH 24 hr
Rush charges authorized by:
SAMPLE DISPOSAL
Archive samples
Other
Default: Dispose after 30 days

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 13, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 8, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190 project. There are 46 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
MFA1013R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 8, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110190 -01	WB-NWSW04-S-1.0
110190 -02	WB-NWSW04-S-Dup
110190 -03	WB-NWSW03-S-1.0
110190 -04	WB-NWSW02-S-1.0
110190 -05	WB-NWSW01-S-1.0
110190 -06	WB-NSW01-S-1.0
110190 -07	WB-NSW02-S-0.5
110190 -08	WB-NSW03-S-0.5
110190 -09	WB-NSW04-S-1.0
110190 -10	WB-NSW05-S-0.5
110190 -11	WB-Base05-S-0.5
110190 -12	WB-Base04-S-0.5
110190 -13	WB-Base03-S-0.5
110190 -14	WB-Base02-S-0.5
110190 -15	WB-Base01-S-1.0
110190 -16	WB-Base11-S-1.0
110190 -17	WB-Base10-S-1.0
110190 -18	WB-Base09-S-1.0
110190 -19	WB-Base08-S-1.0
110190 -20	WB-Base07-S-1.0
110190 -21	WB-Base06-S-1.0
110190 -22	WB-Base12-S-1.0
110190 -23	WB-Base13-S-1.0
110190 -24	WB-Base14-S-1.0
110190 -25	WB-Base15-S-1.0
110190 -26	WB-Base16-S-1.0
110190 -27	WB-Base17-S-1.0
110190 -28	WB-Base18-S-1.0
110190 -29	WB-WSW01-S-1.0
110190 -30	WB-WSW02-S-1.0
110190 -31	WB-WSW03-S-1.0
110190 -32	WB-WSW04-S-1.0
110190 -33	WB-WSW05-S-1.0
110190 -34	WB-SSW01-S-1.0
110190 -35	WB-WSW05-S-Dup
110190 -36	WB-SSW02-S-1.0
110190 -37	WB-SSW03-S-1.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/21

Date Received: 10/08/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190

Date Extracted: NA

Date Analyzed: 10/11/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-NWSW04-S-1.0 110190-01	25
WB-NWSW04-S-Dup 110190-02	24
WB-NWSW03-S-1.0 110190-03	25
WB-NWSW02-S-1.0 110190-04	31
WB-NWSW01-S-1.0 110190-05	29
WB-NSW01-S-1.0 110190-06	32
WB-NSW02-S-0.5 110190-07	24
WB-NSW03-S-0.5 110190-08	14
WB-NSW04-S-1.0 110190-09	27
WB-NSW05-S-0.5 110190-10	22
WB-Base05-S-0.5 110190-11	22
WB-Base04-S-0.5 110190-12	25
WB-Base03-S-0.5 110190-13	26

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/21

Date Received: 10/08/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190

Date Extracted: NA

Date Analyzed: 10/11/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-Base02-S-0.5 110190-14	28
WB-Base01-S-1.0 110190-15	24
WB-Base11-S-1.0 110190-16	28
WB-Base10-S-1.0 110190-17	25
WB-Base09-S-1.0 110190-18	26
WB-Base08-S-1.0 110190-19	22
WB-Base07-S-1.0 110190-20	25
WB-Base06-S-1.0 110190-21	21
WB-Base12-S-1.0 110190-22	23
WB-Base13-S-1.0 110190-23	24
WB-Base14-S-1.0 110190-24	17
WB-Base15-S-1.0 110190-25	20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/21

Date Received: 10/08/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190

Date Extracted: NA

Date Analyzed: 10/11/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-Base16-S-1.0 110190-26	17
WB-Base17-S-1.0 110190-27	24
WB-Base18-S-1.0 110190-28	30
WB-WSW01-S-1.0 110190-29	22
WB-WSW02-S-1.0 110190-30	30
WB-WSW03-S-1.0 110190-31	27
WB-WSW04-S-1.0 110190-32	21
WB-WSW05-S-1.0 110190-33	25
WB-SSW01-S-1.0 110190-34	23
WB-WSW05-S-Dup 110190-35	24
WB-SSW02-S-1.0 110190-36	27
WB-SSW03-S-1.0 110190-37	24

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NWSW04-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-01
Date Analyzed:	10/11/21	Data File:	110190-01.051
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	29.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NWSW04-S-Dup	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-02
Date Analyzed:	10/11/21	Data File:	110190-02.054
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	20.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NWSW03-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-03
Date Analyzed:	10/11/21	Data File:	110190-03.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	24.1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NWSW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-04
Date Analyzed:	10/11/21	Data File:	110190-04.062
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	32.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NWSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-05
Date Analyzed:	10/11/21	Data File:	110190-05.063
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	24.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-06
Date Analyzed:	10/11/21	Data File:	110190-06.064
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	13.2
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NSW02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-07
Date Analyzed:	10/11/21	Data File:	110190-07.065
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	10.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NSW03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-08
Date Analyzed:	10/11/21	Data File:	110190-08.066
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	17.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NSW04-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-09
Date Analyzed:	10/11/21	Data File:	110190-09.067
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	12.0
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NSW05-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-10
Date Analyzed:	10/11/21	Data File:	110190-10.068
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	17.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base05-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-11
Date Analyzed:	10/11/21	Data File:	110190-11.069
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	16.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base04-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-12
Date Analyzed:	10/11/21	Data File:	110190-12.072
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	23.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-13
Date Analyzed:	10/11/21	Data File:	110190-13.073
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	17.4
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-14
Date Analyzed:	10/11/21	Data File:	110190-14.074
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	16.1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-15
Date Analyzed:	10/11/21	Data File:	110190-15.075
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	23.5
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base11-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-16
Date Analyzed:	10/11/21	Data File:	110190-16.076
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	26.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base10-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-17
Date Analyzed:	10/11/21	Data File:	110190-17.077
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	21.8
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base09-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-18
Date Analyzed:	10/11/21	Data File:	110190-18.078
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	64.8
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base08-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-19
Date Analyzed:	10/11/21	Data File:	110190-19.079
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	41.8
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base07-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-20
Date Analyzed:	10/11/21	Data File:	110190-20.080
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	36.8
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base06-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-21
Date Analyzed:	10/11/21	Data File:	110190-21.083
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	14.7
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base12-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-22
Date Analyzed:	10/11/21	Data File:	110190-22.086
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	33.9
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base13-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-23
Date Analyzed:	10/11/21	Data File:	110190-23.087
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	37.3
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base14-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-24
Date Analyzed:	10/11/21	Data File:	110190-24.088
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	13.5
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base15-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-25
Date Analyzed:	10/11/21	Data File:	110190-25.089
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	45.2
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base16-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-26
Date Analyzed:	10/11/21	Data File:	110190-26.090
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	24.1
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base17-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-27
Date Analyzed:	10/11/21	Data File:	110190-27.091
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	25.6
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base18-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-28
Date Analyzed:	10/11/21	Data File:	110190-28.092
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	38.6
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-29
Date Analyzed:	10/11/21	Data File:	110190-29.135
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	41.0
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-30
Date Analyzed:	10/11/21	Data File:	110190-30.136
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	16.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW03-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-31
Date Analyzed:	10/11/21	Data File:	110190-31.139
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	7.02
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW04-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-32
Date Analyzed:	10/11/21	Data File:	110190-32.140
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	7.76
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW05-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-33
Date Analyzed:	10/11/21	Data File:	110190-33.141
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	129
---------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-34
Date Analyzed:	10/11/21	Data File:	110190-34.142
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	7.51
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW05-S-Dup	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-35
Date Analyzed:	10/11/21	Data File:	110190-35.143
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	157
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SSW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-36
Date Analyzed:	10/11/21	Data File:	110190-36.144
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	5.33
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SSW03-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/08/21	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	110190-37
Date Analyzed:	10/11/21	Data File:	110190-37.145
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	7.16
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	I1-641 mb
Date Analyzed:	10/11/21	Data File:	I1-641 mb.036
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110190
Date Extracted:	10/11/21	Lab ID:	I1-642 mb
Date Analyzed:	10/11/21	Data File:	I1-642 mb.049
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/21

Date Received: 10/08/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110190-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	21.5	89	77	75-125	14

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	90	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/21

Date Received: 10/08/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110190

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110190-21 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	11.4	98 b	69 b	75-125	35 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	91	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110190

SAMPLE CHAIN OF CUSTODY ME 10/8/21

Page # 1 of 4

Report To Carolyn Wise
 Company Maul Foster & Alony
 Address 1329 N State St, #301
 City, State, ZIP Bellingham, WA 98225
 Phone 360-594-6231 Email C.wise@maulfooster.com

SAMPLERS (signature) <u>[Signature]</u>	PROJECT NAME <u>Doc 4 Interim Remedial Action</u>	PO # <u>6024.04.19</u>
REMARKS	INVOICE TO <u>Accounting @ Maul Foster</u>	
Project specific RLS? - Yes / No		

TURNAROUND TIME	<input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH <u>24 hrs</u> Rush charges authorized by: <u>[Signature]</u>
SAMPLE DISPOSAL	<input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082			
WB-NWSW04-S-1.0	01	10/07/21	1505	S	1										
WB-NWSW04-S-DUP	02	10/07/21	1505		1										
WB-NWSW03-S-1.0	03	10/07/21	1500		1										
WB-NWSW02-S-1.0	04	10/07/21	1350		1										
WB-NWSW01-S-1.0	05	10/07/21	1345		1										
WB-NSW01-S-1.0	06	10/07/21	1240		1										
WB-NSW02-S-0.5	07	10/07/21	1250												
WB-NSW03-S-0.5	08	10/07/21	1305												
WB-NSW04-S-1.0	09	10/07/21	1315												
WB-NSW05-S-0.5	10	10/07/21	1325	✓	✓										

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<u>[Signature]</u>		Evelyn London		MFA		10/08/21	1815
<u>[Signature]</u>		Yelena Aravling		F&B		10/09/21	1915
Received by:							

110190

SAMPLE CHAIN OF CUSTODY ME 10/8/21

Page # 2 of 4 BTY 4

Report To Carolyn Wise

Company Navl Foster & Alonzi

Address 1329 N State St. / #301

City, State, ZIP Bellingham, WA 98225

Phone 360-594-0251 Email carol.wise@navlfoster.com

SAMPLERS (signature)	<u>[Signature]</u>
PROJECT NAME	<u>AOC 4 Interim Remedial Action</u>
PO #	<u>0624-04.19</u>
REMARKS	<u>Accounting @ navl-foster.com</u>
INVOICE TO	<u>Accounting @ navl-foster.com</u>
Project specific RIIs? - Yes / No	<u>No</u>

TURNAROUND TIME	<u>Standard turnaround</u>
SAMPLE DISPOSAL	<u>BRUSH 24 hours</u>
Standard turnaround	<input type="checkbox"/>
Rush charges authorized by:	<u>[Signature]</u>
Archive samples	<input type="checkbox"/>
Other	<input type="checkbox"/>
Default: Dispose after 30 days	<input type="checkbox"/>

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		As by EPA 6020A	
WB-BASE05-S-0.5	11	10/7/21	1610	S	1										
WB-BASE04-S-0.5	12	10/07/21	1620		1										
WB-BASE03-S-0.5	13	10/07/21	1630		1										
WB-BASE02-S-0.5	14	10/07/21	1640		1										
WB-BASE01-S-0.1.0	15	10/07/21	1650		1										
WB-BASE11-S-1.0	16	10/08/21	900												
WB-BASE10-S-1.0	17	10/08/21	915												
WB-BASE09-S-1.0	18	10/08/21	930												
WB-BASE08-S-1.0	19	10/08/21	1100												
WB-BASE07-S-1.0	20	10/08/21	1150												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>[Signature]</u>	<u>Evelyn Lundeen</u>	<u>MFA</u>	<u>10/08/21</u>	<u>1815</u>
<u>[Signature]</u>	<u>Kelena Ararwa</u>	<u>RFB</u>	<u>10/08/21</u>	<u>1915</u>
Received by:				
Relinquished by:				

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

110190

SAMPLE CHAIN OF CUSTODY

ME 10/8/21

BT4

Page # 3 of 4

Report To Carolyn W. Se
 Company Navl Foster & Alangi
 Address 1329 N State St., #301
 City, State, ZIP Bellingham, WA 98225
 Phone (206) 594-6255 Email Carolyn.Foster@navlfoster.com

SAMPLERS (signature)	PROJECT NAME <u>APC14 Interim Remedial Action</u>	PO # <u>6024 04 19</u>
REMARKS <u>Project specific RIIS? - Yes / No</u>	INVOICE TO <u>Accounting @ navlfoster.com</u>	

TURNAROUND TIME
 Standard turnaround
 RUSH 24 hrs
 Rush charges authorized by: Carolyn W. Se
 SAMPLE DISPOSAL
 Archive samples
 Other _____
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		As by EPA 6020A
WB-BASE06-S-1.0	R1	10/08/21	1200	S	1									
WB-BASE12-S-1.0	R2		1215		1									
WB-BASE13-S-1.0	R3		1225		1									
WB-BASE14-S-1.0	R4		1235		1									
WB-BASE15-S-1.0	R5		1245		1									
WB-BASE16-S-1.0	R6		1255		1									
WB-BASE17-S-1.0	R7		1305		1									
WB-BASE18-S-1.0	R8		1315		1									
WB-WSW01-S-1.0	R9		1400		1									
WB-WSW02-S-1.0	R0		1405		1									

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>		<u>Everlyn Lundeen</u>		<u>NEA</u>		<u>10/08/21</u>	<u>1815</u>
Received by: <u>[Signature]</u>		<u>Yelena Aravinsk</u>		<u>FSR</u>		<u>10/08/21</u>	<u>1815</u>
Relinquished by:							
Received by:							

Friedman & Bryna, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

110190

SAMPLE CHAIN OF CUSTODY ME 10/18/21

Page # 4 of 4

Report To: Carolyn Wise
 Company: Maul Foster & Alonzi
 Address: 1329 N State St. #301
 City, State, ZIP: Bellingham, WA 98225
 Phone: (360) 594-6255 Email: Carly@maulfoster.com

SAMPLES (signature)	PROJECT NAME <u>AOC4 Interim Remedial Action</u>	PO # <u>06240419</u>
REMARKS <u>Project specific RIs? - Yes / No</u>	INVOICE TO <u>Accounting@maulfoster.com</u>	

TURNAROUND TIME <input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH <u>24 hr</u> Rush charges authorized by: _____ Other _____ Default: Dispose after 30 days	SAMPLE DISPOSAL
--	-----------------

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes				
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		As EPA 6020A			
WB-WSW03-S-1.0	31	10/08/21	1415	S	1												
WB-WSW04-S-1.0	32		1430														
WB-WSW05-S-1.0	33		1440														
WB-SSW01-S-1.0	34		1500														
WB-WSW05-S-DUP	35		1440														
WB-SSW02-S-1.0	36		1510														
WB-SSW03-S-1.0	37		1515														

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>[Signature]</u>	<u>Carolyn London</u>	<u>MFA</u>	<u>10/08/21</u>	<u>1815</u>
<u>[Signature]</u>	<u>Victoria Aravina</u>	<u>RTB</u>	<u>10/08/21</u>	<u>1815</u>
Received by:				
Relinquished by:				

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 18, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the additional results from the testing of material submitted on October 11, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. There are 7 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
MFA1018R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 11, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110209 -01	WB-BASE19-S-1.0
110209 -02	WB-BASE20-S-1.0
110209 -03	WB-BASE21-S-1.0
110209 -04	WB-BASE22-S-1.0
110209 -05	WB-BASE23-S-1.0
110209 -06	WB-BASE24-S-1.0
110209 -07	WB-BASE25-S-1.0
110209 -08	WB-BASE26-S-1.0
110209 -09	WB-BASE27-S-1.0
110209 -10	WB-BASE28-S-1.0
110209 -11	WB-BASE29-S-1.0
110209 -12	WB-BASE30-S-1.0
110209 -13	WB-BASE31-S-1.0
110209 -14	WB-BASE32-S-1.0
110209 -15	WB-BASE33-S-1.0
110209 -16	WB-BASE34-S-1.0
110209 -17	WB-BASE35-S-1.0
110209 -18	WB-BASE36-S-1.0
110209 -19	WB-BASE37-S-1.0
110209 -20	WB-BASE38-S-1.0
110209 -21	WB-BASE36-S-Dup
110209 -22	WB-BASE39-S-1.0
110209 -23	WB-BASE40-S-1.0
110209 -24	WB-BASE41-S-1.0
110209 -25	WB-BASE42-S-1.0
110209 -26	WB-BASE43-S-1.0
110209 -27	WB-SESW05-S-1.0
110209 -28	WB-SESW04-S-1.0
110209 -29	WB-SESW04-S-Dup
110209 -30	WB-SESW03-S-1.0
110209 -31	WB-SESW02-S-1.0
110209 -32	WB-SESW01-S-1.0
110209 -33	WB-ESW05-S-1.0
110209 -34	WB-ESW04-S-1.0
110209 -35	WB-ESW03-S-1.0
110209 -36	WB-ESW02-S-1.0
110209 -37	WB-ESW01-S-1.0
110209 -38	WB-StockPile01

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	WB-BASE37-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/14/21	Lab ID:	110209-19
Date Analyzed:	10/15/21	Data File:	110209-19.040
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	WB-BASE36-S-Dup	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/14/21	Lab ID:	110209-21
Date Analyzed:	10/15/21	Data File:	110209-21.041
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	WB-SESW04-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/14/21	Lab ID:	110209-28
Date Analyzed:	10/15/21	Data File:	110209-28.042
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/14/21	Lab ID:	I1-658 mb
Date Analyzed:	10/15/21	Data File:	I1-658 mb.033
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

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

Laboratory Code: 110190-35 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/L (ppm)	1.0	<1	100	96	75-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/L (ppm)	1.0	96	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110209

SAMPLE CHAIN OF CUSTODY

10-11-21 BTY

Page # 2 of 4

Report To Carolyn Wise

Company Maul Foster & Alonzi

Address 1329 N State St, #381

City, State, ZIP Bellingham WA 98225

Phone (360) 591-6251 Email cwise@maulfoster.com

SAMPLERS (signature) <i>[Signature]</i>	
PROJECT NAME AOC4 Interim Remedial Action	PO # 0024.04.19
REMARKS	INVOICE TO Occurving @ maulfoster.com
Project specific RLS? - Yes / No	

TURNAROUND TIME	
<input type="checkbox"/> Standard turnaround	<input checked="" type="checkbox"/> RUSH 24 hr
Rush charges authorized by: <i>[Signature]</i>	
SAMPLE DISPOSAL	
<input type="checkbox"/> Archive samples	<input type="checkbox"/> Other
Default: Dispose after 30 days	

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As by EPA 6020A	TCLD As				
WB-BASE29-S-1.0	11	10/11/21	945	S	1													
WB-BASE30-S-1.0	12		950															
WB-BASE31-S-1.0	13		955															
WB-BASE32-S-1.0	14		1000															
WB-BASE33-S-1.0	15		1030															
WB-BASE34-S-1.0	16		1035															
WB-BASE35-S-1.0	17		1040															
WB-BASE36-S-1.0	18		1045															
WB-BASE37-S-1.0	19		1115															
WB-BASE38-S-1.0	20		1120															

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<i>[Signature]</i>		Evelyn Lundeen		MFA		10/11/21	1626
Received by: <i>[Signature]</i>		VINY		EBI		10/11/21	1620
Relinquished by:							
Received by:							
Relinquished by:							
Received by:				Samples received at		4	00

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

110207

SAMPLE CHAIN OF CUSTODY

10-11-21

BT4

Page # 3 of 4

Report To Carolyn Wise

Company Maul Foster + Assoc.

Address 1329 N State St, #501

City, State, ZIP Bellingham, WA 98225

Phone (360) 594-6255 Email CWise@maulfoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME
AOC4 Interim Remedial Action

PO #

0624-04-19

REMARKS

Project specific RLS? - Yes / No

INVOICE TO

accounting @ maulfoster.com

TURNAROUND TIME

Standard turnaround
 RUSH 24 hour
Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples
 Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes									
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As by EPA 6020A	TCLPA5											
WB-BASE36-S-DUP	21	10/11/21	1045	S	1																				
WB-BASE39-S-1.0	22		1125																						
WB-BASE40-S-1.0	23		1130																						
WB-BASE41-S-1.0	24		1150																						
WB-BASE42-S-1.0	25		1215																						
WB-BASE43-S-1.0	26		1220																						
WB-SE5W05-S-1.0	27		1230																						
WB-SE5W04-S-1.0	28		1235																						
WB-SE5W04-S-DUP	29		1235																						
WB-SE5W03-S-1.0	30		1240																						

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Reinquired by: <u>[Signature]</u>		<u>Evelyn Lunder</u>		<u>MEA</u>		<u>10/11/21</u>	<u>1620</u>
Received by: <u>[Signature]</u>		<u>VINT</u>		<u>EBI</u>		<u>10/11/21</u>	<u>1620</u>
Reinquired by:							
Received by:							

Samples received at 4 °C

110207

SAMPLE CHAIN OF CUSTODY

10-11-21

DL4

Page # 4 of 4

Report To Carolyn Wise

Company Maui Foster & Alongi

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone 360 594 6755 Email Carroll@maui-foster.com

SAMPLERS (signature) [Signature]

PROJECT NAME

ADU 4 Interim Remedial Action

PO #

0024.04.19

REMARKS

Project specific RLS? - Yes / No

INVOICE TO

Accounting @ maui-foster.com

TURNAROUND TIME

Standard turnaround

RUSH 24 hrs

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples
 Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes				
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		As by EPA 6020A			
WB-SESW02-S-1.0	31	10/11/21	1745	S	1												
WB-SESW01-S-1.0	32		1250														
WB-ESW05-S-1.0	33		1255														
WB-ESW04-S-1.0	34		1300														
WB-ESW03-S-1.0	35		1305														
WB-ESW02-S-1.0	36		1310														
WB-ESW01-S-1.0	37		1315														
WB-STOCKPILE01	38		1325														

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>		<u>Esther Lundken</u>		<u>MFA</u>		<u>10/11/21</u>	<u>1620</u>
Received by: <u>[Signature]</u>		<u>ULWA</u>		<u>FBI</u>		<u>10/11/21</u>	<u>1620</u>
Relinquished by:							
Received by:							

Samples received at 7 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 30, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 11, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. Per your request, the WB-STOCKPILE01 results have been removed.

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: Mary Benzinger
MFA1014R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 14, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 11, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. There are 48 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
MFA1014R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 11, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110209 -01	WB-BASE19-S-1.0
110209 -02	WB-BASE20-S-1.0
110209 -03	WB-BASE21-S-1.0
110209 -04	WB-BASE22-S-1.0
110209 -05	WB-BASE23-S-1.0
110209 -06	WB-BASE24-S-1.0
110209 -07	WB-BASE25-S-1.0
110209 -08	WB-BASE26-S-1.0
110209 -09	WB-BASE27-S-1.0
110209 -10	WB-BASE28-S-1.0
110209 -11	WB-BASE29-S-1.0
110209 -12	WB-BASE30-S-1.0
110209 -13	WB-BASE31-S-1.0
110209 -14	WB-BASE32-S-1.0
110209 -15	WB-BASE33-S-1.0
110209 -16	WB-BASE34-S-1.0
110209 -17	WB-BASE35-S-1.0
110209 -18	WB-BASE36-S-1.0
110209 -19	WB-BASE37-S-1.0
110209 -20	WB-BASE38-S-1.0
110209 -21	WB-BASE36-S-Dup
110209 -22	WB-BASE39-S-1.0
110209 -23	WB-BASE40-S-1.0
110209 -24	WB-BASE41-S-1.0
110209 -25	WB-BASE42-S-1.0
110209 -26	WB-BASE43-S-1.0
110209 -27	WB-SESW05-S-1.0
110209 -28	WB-SESW04-S-1.0
110209 -29	WB-SESW04-S-Dup
110209 -30	WB-SESW03-S-1.0
110209 -31	WB-SESW02-S-1.0
110209 -32	WB-SESW01-S-1.0
110209 -33	WB-ESW05-S-1.0
110209 -34	WB-ESW04-S-1.0
110209 -35	WB-ESW03-S-1.0
110209 -36	WB-ESW02-S-1.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE (continued)

Laboratory ID
110209 -37

Maul Foster Alongi
WB-ESW01-S-1.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

Date Extracted: NA

Date Analyzed: 10/12/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-BASE19-S-1.0 110209-01	22
WB-BASE20-S-1.0 110209-02	23
WB-BASE21-S-1.0 110209-03	21
WB-BASE22-S-1.0 110209-04	24
WB-BASE23-S-1.0 110209-05	31
WB-BASE24-S-1.0 110209-06	27
WB-BASE25-S-1.0 110209-07	33
WB-BASE26-S-1.0 110209-08	33
WB-BASE27-S-1.0 110209-09	29
WB-BASE28-S-1.0 110209-10	17
WB-BASE29-S-1.0 110209-11	19
WB-BASE30-S-1.0 110209-12	29

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

Date Extracted: NA

Date Analyzed: 10/12/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-BASE31-S-1.0 110209-13	21
WB-BASE32-S-1.0 110209-14	34
WB-BASE33-S-1.0 110209-15	32
WB-BASE34-S-1.0 110209-16	36
WB-BASE35-S-1.0 110209-17	20
WB-BASE36-S-1.0 110209-18	19
WB-BASE37-S-1.0 110209-19	18
WB-BASE38-S-1.0 110209-20	25
WB-BASE36-S-Dup 110209-21	22
WB-BASE39-S-1.0 110209-22	40
WB-BASE40-S-1.0 110209-23	27
WB-BASE41-S-1.0 110209-24	21

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

Date Extracted: NA

Date Analyzed: 10/12/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-BASE42-S-1.0 110209-25	26
WB-BASE43-S-1.0 110209-26	23
WB-SESW05-S-1.0 110209-27	29
WB-SESW04-S-1.0 110209-28	35
WB-SESW04-S-Dup 110209-29	35
WB-SESW03-S-1.0 110209-30	35
WB-SESW02-S-1.0 110209-31	32
WB-SESW01-S-1.0 110209-32	16
WB-ESW05-S-1.0 110209-33	12
WB-ESW04-S-1.0 110209-34	28
WB-ESW03-S-1.0 110209-35	33
WB-ESW02-S-1.0 110209-36	27

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

Date Extracted: NA

Date Analyzed: 10/12/21

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

Sample ID

% Moisture

Laboratory ID

WB-ESW01-S-1.0

9

110209-37

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE19-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-01
Date Analyzed:	10/12/21	Data File:	110209-01.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	30.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE20-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-02
Date Analyzed:	10/12/21	Data File:	110209-02.051
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	16.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE21-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-03
Date Analyzed:	10/12/21	Data File:	110209-03.052
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	12.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE22-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-04
Date Analyzed:	10/12/21	Data File:	110209-04.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	34.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE23-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-05
Date Analyzed:	10/12/21	Data File:	110209-05.058
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	56.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE24-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-06
Date Analyzed:	10/12/21	Data File:	110209-06.059
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	34.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE25-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-07
Date Analyzed:	10/12/21	Data File:	110209-07.060
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	17.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE26-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-08
Date Analyzed:	10/12/21	Data File:	110209-08.061
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	13.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE27-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-09
Date Analyzed:	10/12/21	Data File:	110209-09.062
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	6.26
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE28-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-10
Date Analyzed:	10/12/21	Data File:	110209-10.063
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	9.77
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE29-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-11
Date Analyzed:	10/12/21	Data File:	110209-11.064
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	76.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE30-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-12
Date Analyzed:	10/12/21	Data File:	110209-12.067
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	58.1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE31-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-13
Date Analyzed:	10/12/21	Data File:	110209-13.068
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	38.4
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE32-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-14
Date Analyzed:	10/12/21	Data File:	110209-14.069
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	43.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE33-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-15
Date Analyzed:	10/12/21	Data File:	110209-15.070
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	5.79
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE34-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-16
Date Analyzed:	10/12/21	Data File:	110209-16.071
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	11.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE35-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-17
Date Analyzed:	10/12/21	Data File:	110209-17.072
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	16.1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE36-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-18
Date Analyzed:	10/12/21	Data File:	110209-18.073
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	67.4
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE37-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-19
Date Analyzed:	10/12/21	Data File:	110209-19.074
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	103
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE38-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-20
Date Analyzed:	10/12/21	Data File:	110209-20.075
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	2.27
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE36-S-Dup	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-21
Date Analyzed:	10/12/21	Data File:	110209-21.078
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	100
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE39-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-22
Date Analyzed:	10/12/21	Data File:	110209-22.081
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	7.95
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE40-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-23
Date Analyzed:	10/12/21	Data File:	110209-23.082
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	5.45
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE41-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-24
Date Analyzed:	10/12/21	Data File:	110209-24.083
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	5.82
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE42-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-25
Date Analyzed:	10/12/21	Data File:	110209-25.084
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	2.22
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE43-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-26
Date Analyzed:	10/12/21	Data File:	110209-26.085
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	3.74
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW05-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-27
Date Analyzed:	10/12/21	Data File:	110209-27.086
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	22.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW04-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-28
Date Analyzed:	10/12/21	Data File:	110209-28.087
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	109
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW04-S-Dup	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-29
Date Analyzed:	10/12/21	Data File:	110209-29.121
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	98.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW03-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-30
Date Analyzed:	10/12/21	Data File:	110209-30.122
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	22.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-31
Date Analyzed:	10/12/21	Data File:	110209-31.129
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	19.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-32
Date Analyzed:	10/12/21	Data File:	110209-32.130
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	12.8
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-ESW05-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-33
Date Analyzed:	10/12/21	Data File:	110209-33.131
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	7.51
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-ESW04-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-34
Date Analyzed:	10/12/21	Data File:	110209-34.132
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	18.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-ESW03-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-35
Date Analyzed:	10/12/21	Data File:	110209-35.133
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	47.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-ESW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-36
Date Analyzed:	10/12/21	Data File:	110209-36.134
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	36.2
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-ESW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-37
Date Analyzed:	10/12/21	Data File:	110209-37.137
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	3.85
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	I1-646 mb
Date Analyzed:	10/12/21	Data File:	I1-646 mb.036
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	I1-647 mb
Date Analyzed:	10/12/21	Data File:	I1-647 mb.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110209-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	23.8	43 b	62 b	75-125	36 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	92	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110209-21 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	66.2	0 b	205 b	75-125	200 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	90	80-120

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

110209

SAMPLE CHAIN OF CUSTODY

10-11-21 BTY

Report To Carolyn Wise

Company Maul Foster & Alonzi

Address 1329 N State St, #381

City, State, ZIP Bellingham WA 98225

Phone (360)591-6251 Email CWise@maulfoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME AOC4 Interim Remedial Action

REMARKS

Project specific RI? - Yes / No

PO # 0624.04.19

INVOICE TO Occurving @ mafoster.com

Page # 2 of 4

TURNAROUND TIME

Standard turnaround

RUSH 24 hr

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As by EPA 6020A	TCLD As				
WB-BASE29-S-1.0	11	10/11/21	945	S	1													
WB-BASE30-S-1.0	12		950															
WB-BASE31-S-1.0	13		955															
WB-BASE32-S-1.0	14		1000															
WB-BASE33-S-1.0	15		1030															
WB-BASE34-S-1.0	16		1035															
WB-BASE35-S-1.0	17		1040															
WB-BASE36-S-1.0	18		1045															
WB-BASE37-S-1.0	19		1115															
WB-BASE38-S-1.0	20		1120															

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Retinquished by: <u>[Signature]</u>		<u>Evelyn Lundeen</u>		<u>MFA</u>		<u>10/11/21</u>	<u>1626</u>
Received by: <u>[Signature]</u>		<u>VINH</u>		<u>EBI</u>		<u>10/11/21</u>	<u>1620</u>
Retinquished by:							
Received by:							

Samples received at 4 oc

110207

SAMPLE CHAIN OF CUSTODY

10-11-21

BT4

Report To Carolyn Wise

Company Maul Foster + Aring

Address 1329 N State St, #501

City, State, ZIP Bellingham, WA 98225

Phone (360) 594-6255 Email CWise@maulfoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME
AOC4 Interim Remedial Action

PO #

0624-04-19

REMARKS

Project specific RLS? - Yes / No

INVOICE TO
accounting @ maulfoster.com

Page # 3 of 4

TURNAROUND TIME

Standard turnaround

RUSH 24 hour

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As by EPA 6020A	TCLPA5				
WB-BASE36-S-DUP	21	10/11/21	1045	S	1													
WB-BASE39-S-1.0	22		1125															
WB-BASE40-S-1.0	23		1130															
WB-BASE41-S-1.0	24		1150															
WB-BASE42-S-1.0	25		1215															
WB-BASE43-S-1.0	26		1220															
WB-SE5W05-S-1.0	27		1230															
WB-SE5W04-S-1.0	28		1235															
WB-SE5W04-S-DUP	29		1235															
WB-SE5W03-S-1.0	30		1240															

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Reinquired by: <u>[Signature]</u>	<u>[Signature]</u>	<u>Erwyn Lunder</u>	<u>ME A</u>	<u>10/11/21</u>	<u>1620</u>		
Received by: <u>[Signature]</u>	<u>[Signature]</u>	<u>Erwyn Lunder</u>	<u>ME A</u>	<u>10/11/21</u>	<u>1620</u>		
Reinquired by:							
Received by:							

Samples received at 7 00

110207

SAMPLE CHAIN OF CUSTODY

10-11-21

DL4

4 of 4

Report To Carolyn Wise

Company Maui Foster & Alongi

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone 360 594 6755 Email Carroll@maui-foster.com

SAMPLERS (signature) [Signature]

PROJECT NAME

ADU 4 Interim Remedial Action

PO #

0024.04.19

REMARKS

Action

INVOICE TO

Accounting @ maui-foster.com

Page # 4 of 4

TURNAROUND TIME

Standard turnaround

RUSH 24 hrs

Rush charges authorized by: [Signature]

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes			
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		As by EPA 6020A		
WB-SESW02-S-1.0	31	10/11/21	1745	S	1											
WB-SESW01-S-1.0	32		1250													
WB-ESW05-S-1.0	33		1255													
WB-ESW04-S-1.0	34		1300													
WB-ESW03-S-1.0	35		1305													
WB-ESW02-S-1.0	36		1310													
WB-ESW01-S-1.0	37		1315													
WB-STOCKPILE01	38		1325													

SIGNATURE

Relinquished by: [Signature]

Received by: [Signature]

Relinquished by: [Signature]

Received by: [Signature]

PRINT NAME

Esther London

UWA

COMPANY

MFA

FBI

DATE

10/11/21

10/11/21

TIME

1620

1620

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

Samples received at 4 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 18, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 11, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. Per your request, sample WB-StockPile01 was issued alone in a 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
MFA1014R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 14, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 11, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. There are 6 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
MFA1014R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 11, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID

110209 -38

Maul Foster Alongi

WB-StockPile01

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

Date Extracted: NA

Date Analyzed: 10/12/21

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

Sample ID

% Moisture

Laboratory ID

WB-StockPile01
110209-38

28

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-StockPile01	Client:	Maul Foster Alongi
Date Received:	10/11/21	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	110209-38
Date Analyzed:	10/12/21	Data File:	110209-38.138
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	1.16
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110209
Date Extracted:	10/12/21	Lab ID:	I1-647 mb
Date Analyzed:	10/12/21	Data File:	I1-647 mb.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	<1
---------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/14/21

Date Received: 10/11/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110209

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110209-21 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	66.2	0 b	205 b	75-125	200 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	90	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110209

SAMPLE CHAIN OF CUSTODY

10-11-21 BTY

Report To Carolyn Wise

Company Maul Foster & Alonzi

Address 1329 N State St, #381

City, State, ZIP Bellingham WA 98225

Phone (360)591-6251 Email carolyn@maulfoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME AOC4 Interim Remedial Action

REMARKS

Project specific RI? - Yes / No

PO # 0624.04.19

INVOICE TO Occurving @ maulfoster.com

Page # 2 of 4

TURNAROUND TIME

Standard turnaround

RUSH 24 hr

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As by EPA 6020A	TCLD As				
WB-BASE29-S-1.0	11	10/11/21	945	S	1													
WB-BASE30-S-1.0	12		950															
WB-BASE31-S-1.0	13		955															
WB-BASE32-S-1.0	14		1000															
WB-BASE33-S-1.0	15		1030															
WB-BASE34-S-1.0	16		1035															
WB-BASE35-S-1.0	17		1040															
WB-BASE36-S-1.0	18		1045															
WB-BASE37-S-1.0	19		1115															
WB-BASE38-S-1.0	20		1120															

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>[Signature]</u>	<u>Evelyn Lundeen</u>	<u>MFA</u>	<u>10/11/21</u>	<u>1626</u>
<u>[Signature]</u>	<u>VINH</u>	<u>EBI</u>	<u>10/11/21</u>	<u>1620</u>
Received by:				
Relinquished by:				
Received by:				
Relinquished by:				

Samples received at 4 oc

110207

SAMPLE CHAIN OF CUSTODY

10-11-21

BT4

Page # 3 of 4

Report To Carolyn Wise

Company Maul Foster + Almg

Address 1329 N State St, #501

City, State, ZIP Bellingham, WA 98225

Phone (360) 594-6255 Email Cwise@maulfoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME
AOC4 Interim Remedial Action

PO #

0624-04-19

REMARKS

Project specific RLS? - Yes / No

INVOICE TO

accounting @ maulfoster.com

TURNAROUND TIME

Standard turnaround
 RUSH 24 hour
Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples
 Other _____

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As by EPA 6020A	TCLPAs	Notes
WB-BASE36-S-DUP	21	10/11/21	1045	S	1										
WB-BASE39-S-1.0	22		1125												
WB-BASE40-S-1.0	23		1130												
WB-BASE41-S-1.0	24		1150												
WB-BASE42-S-1.0	25		1215												
WB-BASE43-S-1.0	26		1220												
WB-SE5W05-S-1.0	27		1230												
WB-SE5W04-S-1.0	28		1235												
WB-SE5W01-S-DUP	29		1235												
WB-SE5W03-S-1.0	30		1240												

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: [Signature]

Received by: [Signature]

Relinquished by: [Signature]

Received by: [Signature]

Evelyn Under

✓ NWIT

MEA

FB1

10/11/21

10/11/21

1620

1620

Samples received at 4 00

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

110207

SAMPLE CHAIN OF CUSTODY

10-11-21

DL4

4 of 4

Report To Carolyn Wise

Company Maui Foster & Alongi

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone 360 594 6755 Email Carroll@maufosteralong.com

SAMPLERS (signature) [Signature]

PROJECT NAME

ADU 4 Interim Remedial Action

PO #

0024.04.19

REMARKS

Project specific RLS? - Yes / No

INVOICE TO

Accounting @ maufosteralong.com

Page # 4 of 4

TURNAROUND TIME

Standard turnaround

RUSH 24 hrs

Rush charges authorized by: [Signature]

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes				
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		As by EPA 6020A			
WB-SESW02-S-1.0	31	10/11/21	1745	S	1												
WB-SESW01-S-1.0	32		1250														
WB-ESW05-S-1.0	33		1255														
WB-ESW04-S-1.0	34		1300														
WB-ESW03-S-1.0	35		1305														
WB-ESW02-S-1.0	36		1310														
WB-ESW01-S-1.0	37		1315														
WB-STOCKPILE01	38		1325														

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>		<u>Esther Lundken</u>		<u>MFA</u>		<u>10/11/21</u>	<u>1620</u>
Received by: <u>[Signature]</u>		<u>ULWA</u>		<u>FBI</u>		<u>10/11/21</u>	<u>1620</u>
Relinquished by:							
Received by:							

Samples received at 7 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 25, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the additional results from the testing of material submitted on October 13, 2021 from the AOC4 Interim Remedial Action 0624.04.19, F&BI 110263 project. There are 8 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
MFA1025R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 13, 2020 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC4 Interim Remedial Action 0624.04.19, F&BI 110263 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110263 -01	AF2-BASE01-S-1.0
110263 -02	AF2-BASE02-S-1.0
110263 -03	AF2-BASE03-S-1.0
110263 -04	AF2-SSW01-S-1.0
110263 -05	AF2-NSW01-S-1.0
110263 -06	AF2-WSW01-S-1.0
110263 -07	AF2-WSW02-S-1.0
110263 -08	AF2-ESW01-S-1.0
110263 -09	AF2-ESW02-S-1.0
110263 -10	AF-STOCKPILE01
110263 -11	AF1-BASE01-S-0.5
110263 -12	AF1-BASE02-S-0.5
110263 -13	AF1-BASE03-S-0.5
110263 -14	AF1-BASE04-S-0.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF1-BASE01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/20/21	Lab ID:	110263-11
Date Analyzed:	10/21/21	Data File:	110263-11.050
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF1-BASE02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/20/21	Lab ID:	110263-12
Date Analyzed:	10/21/21	Data File:	110263-12.070
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF1-BASE03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/20/21	Lab ID:	110263-13
Date Analyzed:	10/21/21	Data File:	110263-13.071
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF1-BASE04-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/20/21	Lab ID:	110263-14
Date Analyzed:	10/21/21	Data File:	110263-14.072
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/21/21	Lab ID:	I1-669 mb
Date Analyzed:	10/21/21	Data File:	I1-669 mb.041
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/25/21

Date Received: 10/13/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110263

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

Laboratory Code: 110263-11 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/L (ppm)	1.0	<1	96	92	75-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/L (ppm)	1.0	87	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 30, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 13, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110263 project. The AF-STOCKPILE01 results have been removed from the report, per your request.

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: Mary Benzinger
MFA1018R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 18, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 13, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110263 project. There are 18 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
MFA1018R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 13, 2020 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110263 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110263 -01	AF2-BASE01-S-1.0
110263 -02	AF2-BASE02-S-1.0
110263 -03	AF2-BASE03-S-1.0
110263 -04	AF2-SSW01-S-1.0
110263 -05	AF2-NSW01-S-1.0
110263 -06	AF2-WSW01-S-1.0
110263 -07	AF2-WSW02-S-1.0
110263 -08	AF2-ESW01-S-1.0
110263 -09	AF2-ESW02-S-1.0
110263 -11	AF1-BASE01-S-0.5
110263 -12	AF1-BASE02-S-0.5
110263 -13	AF1-BASE03-S-0.5
110263 -14	AF1-BASE04-S-0.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/21

Date Received: 10/13/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110263

Date Extracted: NA

Date Analyzed: 10/14/21

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

<u>Sample ID</u>	<u>% Moisture</u>
Laboratory ID	
AF2-BASE01-S-1.0 110263-01	26
AF2-BASE02-S-1.0 110263-02	25
AF2-BASE03-S-1.0 110263-03	34
AF2-SSW01-S-1.0 110263-04	37
AF2-NSW01-S-1.0 110263-05	30
AF2-WSW01-S-1.0 110263-06	39
AF2-WSW02-S-1.0 110263-07	40
AF2-ESW01-S-1.0 110263-08	24
AF2-ESW02-S-1.0 110263-09	18
AF1-BASE01-S-0.5 110263-11	27
AF1-BASE02-S-0.5 110263-12	17
AF1-BASE03-S-0.5 110263-13	30
AF1-BASE04-S-0.5 110263-14	23

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-BASE01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-01
Date Analyzed:	10/14/21	Data File:	110263-01.146
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	62.5
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-BASE02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-02
Date Analyzed:	10/14/21	Data File:	110263-02.147
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	35.0
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-BASE03-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-03
Date Analyzed:	10/14/21	Data File:	110263-03.148
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	32.1
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-SSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-04
Date Analyzed:	10/14/21	Data File:	110263-04.154
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	37.7
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-NSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-05
Date Analyzed:	10/14/21	Data File:	110263-05.155
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	31.9
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-WSW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-06
Date Analyzed:	10/14/21	Data File:	110263-06.156
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	49.6
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-WSW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-07
Date Analyzed:	10/14/21	Data File:	110263-07.157
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	26.6
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-ESW01-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-08
Date Analyzed:	10/14/21	Data File:	110263-08.163
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	56.5
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF2-ESW02-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-09
Date Analyzed:	10/14/21	Data File:	110263-09.164
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	42.1
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE01-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-11 x5
Date Analyzed:	10/15/21	Data File:	110263-11 x5.056
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	251
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-12
Date Analyzed:	10/14/21	Data File:	110263-12.167
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	149
------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-13 x5
Date Analyzed:	10/15/21	Data File:	110263-13 x5.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Lead	233
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE04-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-14 x5
Date Analyzed:	10/15/21	Data File:	110263-14 x5.058
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	556
------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	I1-656 mb
Date Analyzed:	10/14/21	Data File:	I1-656 mb.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	<1
------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/21

Date Received: 10/13/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110263

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110260-04 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	5.44	88	90	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	90	80-120

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11D263

SAMPLE CHAIN OF CUSTODY

MC 10-13-21

Page # 1 of 2 BFC

Report To Carolyn Wise

Company Maul Foster & Alongi

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone (360) 594-6255 Email carol.wise@maulfoster.com

SAMPLES (signature) <u>[Signature]</u>	
PROJECT NAME <u>ADCA Interim Remedial Action</u>	PO # <u>0024504.19</u>
REMARKS <u>Project specific PLS? - Yes / No</u>	INVOICE TO <u>accounting @ maulfoster.com</u>

<input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH 24 hr Rush charges authorized by: <u>[Signature]</u>	SAMPLE DISPOSAL <input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days
--	---

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pb by EPA 601A	Pb TQLP				
AF2-BASE01-S-1.0	01	10/11/21	1530	S	1													
AF2-BASE02-S-1.0	02	10/11/21	1540															
AF2-BASE03-S-1.0	03	10/11/21	1550															
AF2-SSW01-S-1.0	04	10/11/21	1605															
AF2-NSW01-S-1.0	05	10/11/21	1640															
AF2-WSW01-S-1.0	06	10/11/21	1555															
AF2-WSW02-S-1.0	07	10/11/21	1600															
AF2-ESW01-S-1.0	08	10/11/21	1630 1645															
AF2-ESW02-S-1.0	09	10/11/21	1610															
AF-STOCKPILE01	10	10/12/21	1150	W	W													

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<u>[Signature]</u>		<u>Erlynn Lundeen</u>		<u>MFA</u>		10/12/21	1630
<u>[Signature]</u>		<u>Liz Wilber-Bry</u>		<u>CIB</u>		10/13/21	1545
Received by:				Samples received at		<u>Y</u>	<u>00</u>

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 18, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 13, 2021 from the AOC4 Interim Remedial Action 0624.04.19, F&BI 110263 project. Per your request, sample AF-STOCKPILE01 was issued alone in a 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
MFA1018R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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fbi@isomedia.com
www.friedmanandbruya.com

October 18, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 13, 2021 from the AOC4 Interim Remedial Action 0624.04.19, F&BI 110263 project. There are 9 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
MFA1018R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 13, 2020 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC4 Interim Remedial Action 0624.04.19, F&BI 110263 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110263 -10	AF-STOCKPILE01

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/21

Date Received: 10/13/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110263

Date Extracted: NA

Date Analyzed: 10/14/21

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

Sample ID

% Moisture

Laboratory ID

AF-STOCKPILE01

25

110263-10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF-STOCKPILE01	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-10 x5
Date Analyzed:	10/15/21	Data File:	110263-10 x5.055
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	285
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	I1-656 mb
Date Analyzed:	10/14/21	Data File:	I1-656 mb.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF-STOCKPILE01	Client:	Maul Foster Alongi
Date Received:	10/13/21	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	110263-10
Date Analyzed:	10/15/21	Data File:	110263-10.043
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110263
Date Extracted:	10/14/21	Lab ID:	I1-658 mb
Date Analyzed:	10/15/21	Data File:	I1-658 mb.033
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/21

Date Received: 10/13/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110263

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110260-04 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	5.44	88	90	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	90	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/18/21

Date Received: 10/13/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110263

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

Laboratory Code: 110190-35 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/L (ppm)	1.0	<1	96	97	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/L (ppm)	1.0	95	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110263

SAMPLE CHAIN OF CUSTODY

W.C. 10-13-21

Page # 1 of 2 BT3

Report To Carolyn Wise

Company Mauli Foster & Alongi

Address 1329 N State St., #301

City, State, ZIP Bellingham, WA 98225

Phone (360) 594-0255 Email carol.wise@maulifoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME AOCA Interior Remedial Action

PO # 0024, 04, 19

REMARKS

INVOICE TO accounting @ maulifoster.com

Project specific RLS? - Yes / No

TURNAROUND TIME

Standard turnaround

RUSH 24 hour

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED								Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pb by EPA WQDA		Pb TCLP	
AF2-BASE01-S-1.0	01	10/11/21	1530	S	1											
AF2-BASE02-S-1.0	02	10/11/21	1540									X				
AF2-BASE03-S-1.0	03	10/11/21	1550									X				
AF2-SSW01-S-1.0	04	10/11/21	1605									X				
AF2-NSW01-S-1.0	05	10/11/21	1610									X				
AF2-WSW01-S-1.0	06	10/11/21	1555									X				
AF2-WSW02-S-1.0	07	10/11/21	1600									X				
AF2-ESW01-S-1.0	08	10/11/21	1630									X				
AF2-ESW02-S-1.0	09	10/11/21	1610									X				
AF-STOCKPILE01	10	10/12/21	1150	✓	✓							X				

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

[Signature]

MFA

10/12/21

1630

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Received by:

[Signature]

CIB

10/13/21

1545

Relinquished by:

[Signature]

Ph. (206) 285-8282

Received by:

Samples received at

4:00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 22, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the additional results from the testing of material submitted on October 14, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296 project. There are 23 pages included in this report.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
MFA1022R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 14, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110296 -01	AFI-WSW03-S-0.5
110296 -02	AFI-WSW04-S-0.5
110296 -03	AFI-WSW02-S-0.5
110296 -04	WB-Base15-S-1.5
110296 -05	WB-Base15-S-2.0
110296 -06	WB-Base16-S-1.5
110296 -07	WB-Base16-S-2.0
110296 -08	WB-Base10-S-1.5
110296 -09	WB-Base10-S-2.0
110296 -10	WB-Base07-S-1.5
110296 -11	WB-Base07-S-2.0
110296 -12	WB-Base08-S-1.5
110296 -13	WB-Base09-S-1.5
110296 -14	WB-Base09-S-2.0
110296 -15	WB-Base11-S-1.5
110296 -16	WB-Base11-S-2.0
110296 -17	WB-Base12-S-1.5
110296 -18	WB-Base12-S-2.0
110296 -19	WB-Base13-S-1.5
110296 -20	WB-Base13-S-2.0
110296 -21	WB-Base01-S-1.5
110296 -22	WB-Base01-S-2.0
110296 -23	WB-Base17-S-1.5
110296 -24	WB-Base17-S-2.0
110296 -25	WB-Base18-S-1.5
110296 -26	WB-Base18-S-2.0
110296 -27	WB-Base19-S-1.5
110296 -28	WB-Base19-S-2.0
110296 -29	WB-Base22-S-1.5
110296 -30	WB-Base22-S-2.0
110296 -31	WB-Base23-S-1.5
110296 -32	WB-Base23-S-2.0
110296 -33	WB-Base24-S-1.5
110296 -34	WB-Base24-S-2.0
110296 -35	WB-Base29-S-1.5
110296 -36	WB-Base29-S-2.0
110296 -37	WB-Base30-S-1.5
110296 -38	WB-Base30-S-2.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/21

Date Received: 10/14/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296

Date Extracted: NA

Date Analyzed: NA

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-Base15-S-2.0 110296-05	20
WB-Base16-S-1.5 110296-06	18
WB-Base10-S-1.5 110296-08	17
WB-Base07-S-1.5 110296-10	19
WB-Base08-S-1.5 110296-12	17
WB-Base09-S-2.0 110296-14	20
WB-Base11-S-2.0 110296-16	13
WB-Base12-S-2.0 110296-18	21
WB-Base01-S-1.5 110296-21	22
WB-Base17-S-2.0 110296-24	20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/21

Date Received: 10/14/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296

Date Extracted: NA

Date Analyzed: NA

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-Base18-S-1.5 110296-25	21
WB-Base19-S-2.0 110296-28	22
WB-Base22-S-2.0 110296-30	22
WB-Base23-S-1.5 110296-31	18
WB-Base24-S-1.5 110296-33	16
WB-Base29-S-2.0 110296-36	21
WB-Base30-S-1.5 110296-37	22

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base15-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-05
Date Analyzed:	10/19/21	Data File:	110296-05.148
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	15.1
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base16-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-06
Date Analyzed:	10/19/21	Data File:	110296-06.151
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	3.49
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base10-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-08
Date Analyzed:	10/19/21	Data File:	110296-08.154
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	12.3
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base07-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-10
Date Analyzed:	10/19/21	Data File:	110296-10.155
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	5.70
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base08-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-12
Date Analyzed:	10/19/21	Data File:	110296-12.156
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	3.05
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base09-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-14
Date Analyzed:	10/19/21	Data File:	110296-14.157
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	5.95
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base11-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-16
Date Analyzed:	10/19/21	Data File:	110296-16.158
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	8.47
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base12-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-18
Date Analyzed:	10/19/21	Data File:	110296-18.159
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	34.8
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base01-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-21
Date Analyzed:	10/19/21	Data File:	110296-21.160
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	19.2
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base17-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-24
Date Analyzed:	10/19/21	Data File:	110296-24.167
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	16.5
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base18-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-25
Date Analyzed:	10/19/21	Data File:	110296-25.168
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	13.9
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base19-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-28
Date Analyzed:	10/19/21	Data File:	110296-28.169
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	52.6
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base22-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-30
Date Analyzed:	10/19/21	Data File:	110296-30.170
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	24.6
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base23-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-31
Date Analyzed:	10/19/21	Data File:	110296-31.171
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	25.2
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base24-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-33
Date Analyzed:	10/19/21	Data File:	110296-33.172
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	9.81
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base29-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-36
Date Analyzed:	10/19/21	Data File:	110296-36.178
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	15.7
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base30-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	110296-37
Date Analyzed:	10/19/21	Data File:	110296-37.179
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	22.1
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/19/21	Lab ID:	I1-665 mb
Date Analyzed:	10/19/21	Data File:	I1-665 mb.127
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	<1
---------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/21

Date Received: 10/14/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110296-06 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	105	102	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	89	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110296

SAMPLE CHAIN OF CUSTODY 10-19-21

Page # 1 of 4

Report to: Carolyn Wise
 Company: Maul Foster + Alangi
 Address: 1329 N State St, #301
 City, State, ZIP: Bellingham, WA 98225
 Phone: (360)574 6225 Email: Carol@maul-foster.com

SAMPLERS (signature)	PROJECT NAME	PO #
<i>[Signature]</i>	ADG 4 Interim Remedial Action	0024-04-19
	REMARKS	INVOICE TO
		Accounting@maul-foster.com
	Project specific PLS? - Yes / No	

<input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH 24hr Rush charges authorized by: <i>[Signature]</i>	ANALYSES REQUESTED <input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days
TURNAROUND TIME	SAMPLE DISPOSAL

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pb EPA 6020A	As 6020B	Notes
AF1-WNSW03-S-0.5	01	10/19/21	000	S	1								X		1 jar 2/10/19 New DMV TX
AF1-WNSW04-S-0.5	02	10/19/21	040										X		
AF1-WNSW02-S-0.5	03	10/13/21	050										X		
WB-BASE15-S-1.5	04	10/19/21	1000												
WB-BASE15-S-2.0	05		1005												
WB-BASE10-S-1.5	06		1015												
WB-BASE10-S-2.0	07		1020												
WB-BASE10-S-1.5	08		1030												
WB-BASE10-S-2.0	09		1035												
WB-BASE07-S-1.5	10		1130												

Friedman & Bryva, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<i>[Signature]</i>	Evelyn Lundeen	MFA	10/14/21	1340
Received by:				
Relinquished by:				
Received by:				
Relinquished by:				

Samples received at 4 °C

110296

SAMPLE CHAIN OF CUSTODY 10-14-21

Page # 3 of 4

Report To: Barbara Wisc
 Company: Marl Foster + Alongi
 Address: 1329 N State St. #381
 City, State, ZIP: Bellingham, WA 98225
 Phone: 360 672 6225 Email: cuiver@multifostercorp.com

SAMPLE # (signature)	PROJECT NAME	PO #
<u>M</u>	<u>AOC 4 Interim Remedial Action</u>	<u>0624-01-19</u>
REMARKS	INVOICE TO	
	<u>Accounting @ multifostercorp.com</u>	

<input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH 24 Hrs. Rush charges authorized by: <u>[Signature]</u>	TURNOURD TIME Page # 3 of 4
SAMPLE DISPOSAL <input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days	1 per OJ 10/14/21 Notes Met by TM

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED						HOLD	
						NWTPH-Dx	NWTPH-Cx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270		PCBs EPA 8082
WB-BASE18-S-2.0	20	10/13/21	1345	S	1								HOLD
WB-BASE01-S-1.5	21		1230										HOLD
WB-BASE01-S-2.0	22		1235										HOLD
WB-BASE17-S-1.5	23		1350										HOLD
WB-BASE17-S-2.0	24		1355										HOLD
WB-BASE18-S-1.5	25		1405										HOLD
WB-BASE18-S-2.0	26		1410										HOLD
WB-BASE19-S-1.5	27		1530										HOLD
WB-BASE19-S-2.0	28		1535										HOLD
WB-BASE22-S-1.5	29		1540										HOLD

Friedmann & Brywa, Inc.
 3012 1st Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

Received by: <u>[Signature]</u> Received by: <u>WJH</u> Received by:	SIGNATURE PRINT NAME <u>Evlyn Lundsten</u> <u>VINH</u>	COMPANY <u>MFA</u> <u>EBI</u>	DATE <u>10/14/21</u> <u>13:40</u>	TIME
Samples received at <u>4</u> of <u>00</u>				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 29, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the additional results from the testing of material submitted on October 14, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296 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
MFA1029R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 14, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110296 -01	AF1-WSW03-S-0.5
110296 -02	AF1-WSW04-S-0.5
110296 -03	AF1-WSW02-S-0.5
110296 -04	WB-Base15-S-1.5
110296 -05	WB-Base15-S-2.0
110296 -06	WB-Base16-S-1.5
110296 -07	WB-Base16-S-2.0
110296 -08	WB-Base10-S-1.5
110296 -09	WB-Base10-S-2.0
110296 -10	WB-Base07-S-1.5
110296 -11	WB-Base07-S-2.0
110296 -12	WB-Base08-S-1.5
110296 -13	WB-Base09-S-1.5
110296 -14	WB-Base09-S-2.0
110296 -15	WB-Base11-S-1.5
110296 -16	WB-Base11-S-2.0
110296 -17	WB-Base12-S-1.5
110296 -18	WB-Base12-S-2.0
110296 -19	WB-Base13-S-1.5
110296 -20	WB-Base13-S-2.0
110296 -21	WB-Base01-S-1.5
110296 -22	WB-Base01-S-2.0
110296 -23	WB-Base17-S-1.5
110296 -24	WB-Base17-S-2.0
110296 -25	WB-Base18-S-1.5
110296 -26	WB-Base18-S-2.0
110296 -27	WB-Base19-S-1.5
110296 -28	WB-Base19-S-2.0
110296 -29	WB-Base22-S-1.5
110296 -30	WB-Base22-S-2.0
110296 -31	WB-Base23-S-1.5
110296 -32	WB-Base23-S-2.0
110296 -33	WB-Base24-S-1.5
110296 -34	WB-Base24-S-2.0
110296 -35	WB-Base29-S-1.5
110296 -36	WB-Base29-S-2.0
110296 -37	WB-Base30-S-1.5
110296 -38	WB-Base30-S-2.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/29/21

Date Received: 10/14/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296

Date Extracted: NA

Date Analyzed: 10/27/21

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

Sample ID

% Moisture

Laboratory ID

WB-Base13-S-2.0

23

110296-20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-Base13-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/14/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/27/21	Lab ID:	110296-20
Date Analyzed:	10/27/21	Data File:	110296-20.064
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	16.3
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/27/21	Lab ID:	I1-685 mb2
Date Analyzed:	10/27/21	Data File:	I1-685 mb2.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	<1
---------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/29/21

Date Received: 10/14/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110296

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110482-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	2.06	97	94	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	92	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110296

SAMPLE CHAIN OF CUSTODY

10-14-21

Page # 2 of 4

Report To Carolyn Wice

Company Maul Foster & Alonai

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone: 360.664.1415 Email: carolyn.wice@maulwice.com

SAMPLERS (signature)	PROJECT NAME	PO #
<u>[Signature]</u>	<u>AOX4 Interim Remedial Action</u>	<u>0024.04.19</u>
REMARKS	INVOICE TO	
	<u>Accounting</u>	
	<u>Manufacturing</u>	

TURNAROUND TIME	SAMPLE DISPOSAL
<input type="checkbox"/> Standard turnaround	<input type="checkbox"/> Archive samples
<input checked="" type="checkbox"/> RUSH <u>24hrs</u>	<input type="checkbox"/> Other
Rush charges authorized by:	Default: Dispose after 30 days
<u>[Signature]</u>	

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED						HOLD	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270		PCBs EPA 8082
WB-BASE07-S-2.0	11	10/13/21	1135	S	1								HOLD
WB-BASE08-S-1.5	12		1145										HOLD
WB-BASE09-S-2.0	13		1155										HOLD
WB-BASE09-S-2.0	14		1200										HOLD
WB-BASE11-S-1.5	15		1215										HOLD
WB-BASE11-S-2.0	16		1220										HOLD
WB-BASE12-S-1.5	17		1240										HOLD
WB-BASE12-S-2.0	18		1245										HOLD
WB-BASE13-S-1.5	19		1340										HOLD

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by:	<u>[Signature]</u>	Everlyn Andersen	MFA	10/14/21	1340		
Received by:	<u>[Signature]</u>	VINH	FBI	10/14/21	1340		
Relinquished by:							
Received by:							

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-3029
 Ph. (206) 285-8282

Samples received at 4 oct

110296

SAMPLE CHAIN OF CUSTODY

10-14-21

Page # 3 of 4

Report To: Carolyn Wise

SAMPLERS (signature)

PG#

TURNAROUND TIME

Company: Meryl Foster + Alonzi

PROJECT NAME: AOC 4 Interim Remedial Action

01024-01-19

Standard turnaround 24 hrs. Rush charges authorized by:

Address: 1329 N State St. #301

City, State, ZIP: Bellingham, WA 98225

REMARKS

INVOICE TO

SAMPLE DISPOSAL

Phone: (360) 594-6225 Email: C.wise@mfoster.com

Project specific RI? - Yes / No

Accounting @ mofoster.com

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							HOLD	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		
WB-BASE18-S-2.0	20	10/13/21	1345	S	1									HOLD
WB-BASE19-S-1.5	21		1230											HOLD
WB-BASE19-S-2.0	22		1235											HOLD
WB-BASE17-S-1.5	23		1350											HOLD
WB-BASE17-S-2.0	24		1355											HOLD
WB-BASE18-S-1.5	25		1405											HOLD
WB-BASE18-S-2.0	26		1410											HOLD
WB-BASE19-S-1.5	27		1530											HOLD
WB-BASE19-S-2.0	28		1535											HOLD
WB-BASE22-S-1.5	29		1540											HOLD

✓ per AS 10/14/21 Meryl Foster TH per CW

Friedmann & Breyer, Inc.
3012 1st Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

Received by: <i>K</i>	Signature: <i>K</i>	Print Name: Evelyn Lundeen	Company: MFA	Date: 10/14/21	Time: 1340
Received by: <i>W</i>	Signature: <i>W</i>	Print Name: <i>W</i>	Company: <i>W</i>	Date: 10/14/21	Time: 1340
Received by:	Signature:	Print Name:	Company:	Date:	Time:

Samples received at 1:40

110296

SAMPLE CHAIN OF CUSTODY

10-14-21

Page # 4 of 4

Report To Lorelyn Wise
 Company Majr Foster & Alonni
 Address 1329 N State St, #301
 City, State, ZIP Bellingham, WA 98225
 Phone (360) 774 6721 Email lwise@msytestcorp.com

SAMPLERS (signature) <u>[Signature]</u>	PROJECT NAME <u>ADC 4 Interim Remedial Action</u>	PO # <u>0024 04.19</u>
REMARKS <u>Project specific RIs? - Yes / No</u>	INVOICE TO <u>according to market</u>	

TURNAROUND TIME	Page #
<input type="checkbox"/> Standard turnaround	4 of 4
<input checked="" type="checkbox"/> RUSH 24 hour	
<input type="checkbox"/> Rush charges authorized by:	
SAMPLE DISPOSAL	
<input type="checkbox"/> Archive samples	
<input type="checkbox"/> Other	
Default: Dispose after 30 days	

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082			
WB-BASE22-5-2.0	30	10/13/21	1545	S	1									HOLD	
WB-BASE23-5-1.5	31		1550											HOLD	
WB-BASE23-5-2.0	32		1555											HOLD	
WB-BASE24-5-1.5	33		1600											HOLD	
WB-BASE24-5-2.0	34		1605											HOLD	
WB-BASE29-5-1.5	35		1618											HOLD	
WB-BASE29-5-2.0	36		1630											HOLD	
WB-BASE29-5-1.5	37		1640											HOLD	
WB-BASE30-5-2.0	38		1645											HOLD	

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-3029
 Ph. (206) 285-8282

Retrieved by: <u>[Signature]</u>	SIGNATURE	PRINT NAME <u>Evelyn Lundgren</u>	COMPANY <u>MFA</u>	DATE <u>10/14/21</u>	TIME <u>1340</u>
Retrieved by: <u>[Signature]</u>		<u>VINEL</u>	<u>FBI</u>	<u>10/14/21</u>	<u>1340</u>
Received by:				<u>4</u>	<u>oc</u>

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 29, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 15, 2021 from the AOC4 Interim Remedial Action 0624.04.19, F&BI 110328 project. Per your request, the sample prefix AFI has been amended to AF1.

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
MFA1021R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 21, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 15, 2021 from the AOC4 Interim Remedial Action 0624.04.19, F&BI 110328 project. There are 19 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
MFA1021R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 15, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC4 Interim Remedial Action 0624.04.19, F&BI 110328 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110328 -01	AF1-SSW03-S-0.5
110328 -02	AF1-NSW02-S-0.5
110328 -03	AF1-ESW03-S-0.5
110328 -04	AF1-ESW04-S-0.5
110328 -05	AF1-BASE05-S-0.5
110328 -06	AF1-BASE06-S-0.5
110328 -07	COMPOST-NH
110328 -08	NATIVE SOIL-NH

The reporting limits in sample COMPOST-NH were raised due to high percent moisture.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21

Date Received: 10/15/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110328

Date Extracted: NA

Date Analyzed: 10/18/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
AF1-SSW03-S-0.5 110328-01	28
AF1-NSW02-S-0.5 110328-02	29
AF1-ESW03-S-0.5 110328-03	21
AF1-ESW04-S-0.5 110328-04	23
AF1-BASE05-S-0.5 110328-05	35
AF1-BASE06-S-0.5 110328-06	37
COMPOST-NH 110328-07	53
NATIVE SOIL-NH 110328-08	22

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21

Date Received: 10/15/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110328

Date Extracted: 10/18/21

Date Analyzed: 10/18/21

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID**

Results Reported on a Dry Weight Basis

Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
COMPOST-NH 110328-07	ND	D x	D x	ip
NATIVE SOIL-NH 110328-08	ND	ND	ND	92
Method Blank 01-2419 MB	ND	ND	ND	106

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-SSW03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-01
Date Analyzed:	10/18/21	Data File:	110328-01.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	104
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-NSW02-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-02
Date Analyzed:	10/18/21	Data File:	110328-02.051
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	101
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-ESW03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-03
Date Analyzed:	10/18/21	Data File:	110328-03.052
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	65.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-ESW04-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-04
Date Analyzed:	10/18/21	Data File:	110328-04.056
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	93.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE05-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-05
Date Analyzed:	10/18/21	Data File:	110328-05.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	195
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE06-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-06
Date Analyzed:	10/18/21	Data File:	110328-06.058
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	158
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	COMPOST-NH	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-07
Date Analyzed:	10/18/21	Data File:	110328-07.059
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.94
Barium	100
Cadmium	<2
Chromium	15.4
Lead	26.7
Mercury	<2
Selenium	<2
Silver	<2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	NATIVE SOIL-NH	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-08
Date Analyzed:	10/18/21	Data File:	110328-08.060
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.47
Barium	95.1
Cadmium	<1
Lead	7.27
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	NATIVE SOIL-NH	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-08 x5
Date Analyzed:	10/19/21	Data File:	110328-08 x5.060
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Chromium	25.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	NA	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	I1-659 mb
Date Analyzed:	10/18/21	Data File:	I1-659 mb.034
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	COMPOST-NH	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-07 1/25
Date Analyzed:	10/19/21	Data File:	101820.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	75 d	24	111
Phenol-d6	78 d	37	116
Nitrobenzene-d5	88 d	38	117
2-Fluorobiphenyl	84 d	45	117
2,4,6-Tribromophenol	96 d	11	158
Terphenyl-d14	105 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
2-Methylnaphthalene	<0.1
1-Methylnaphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	0.13
Fluorene	0.20
Phenanthrene	0.85
Anthracene	<0.1
Fluoranthene	0.72
Pyrene	0.60
Benz(a)anthracene	0.23
Chrysene	0.23
Benzo(a)pyrene	0.18
Benzo(b)fluoranthene	0.33
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	0.13
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	NATIVE SOIL-NH	Client:	Maul Foster Alongi
Date Received:	10/15/21	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	110328-08 1/25
Date Analyzed:	10/19/21	Data File:	101821.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	83 d	24	111
Phenol-d6	95 d	37	116
Nitrobenzene-d5	84 d	38	117
2-Fluorobiphenyl	96 d	45	117
2,4,6-Tribromophenol	100 d	11	158
Terphenyl-d14	110 d	50	124

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	AOC4 Interim Remedial Action
Date Extracted:	10/18/21	Lab ID:	01-2415 mb 1/5
Date Analyzed:	10/18/21	Data File:	101809.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	88	24	111
Phenol-d6	101	37	116
Nitrobenzene-d5	101	38	117
2-Fluorobiphenyl	99	45	117
2,4,6-Tribromophenol	85	11	158
Terphenyl-d14	104	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: 10/21/21

Date Received: 10/15/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110328

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110328-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	5.79	90	79	75-125	13
Barium	mg/kg (ppm)	50	80.1	111	94	75-125	17
Cadmium	mg/kg (ppm)	10	<5	95	96	75-125	1
Chromium	mg/kg (ppm)	50	39.5	90	91	75-125	1
Lead	mg/kg (ppm)	50	72.9	96 b	74 b	75-125	26 b
Mercury	mg/kg (ppm)	5	<5	100	103	75-125	3
Selenium	mg/kg (ppm)	5	<5	81	83	75-125	2
Silver	mg/kg (ppm)	10	<5	87	89	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	92	80-120
Barium	mg/kg (ppm)	50	95	80-120
Cadmium	mg/kg (ppm)	10	95	80-120
Chromium	mg/kg (ppm)	50	99	80-120
Lead	mg/kg (ppm)	50	95	80-120
Mercury	mg/kg (ppm)	5	105	80-120
Selenium	mg/kg (ppm)	5	94	80-120
Silver	mg/kg (ppm)	10	90	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21

Date Received: 10/15/21

Project: AOC4 Interim Remedial Action 0624.04.19, F&BI 110328

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

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	93	97	58-108	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	95	101	67-108	6
1-Methylnaphthalene	mg/kg (ppm)	0.83	88	95	66-107	8
Acenaphthylene	mg/kg (ppm)	0.83	102	106	70-130	4
Acenaphthene	mg/kg (ppm)	0.83	98	101	66-112	3
Fluorene	mg/kg (ppm)	0.83	100	104	67-117	4
Phenanthrene	mg/kg (ppm)	0.83	100	104	70-130	4
Anthracene	mg/kg (ppm)	0.83	102	107	70-130	5
Fluoranthene	mg/kg (ppm)	0.83	108	110	70-130	2
Pyrene	mg/kg (ppm)	0.83	104	109	70-130	5
Benz(a)anthracene	mg/kg (ppm)	0.83	105	107	70-130	2
Chrysene	mg/kg (ppm)	0.83	104	107	70-130	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	108	113	68-120	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	110	115	69-125	4
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	104	109	70-130	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	121	127	67-129	5
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	113	118	67-128	4
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	109	113	64-127	4

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110388

SAMPLE CHAIN OF CUSTODY

10-15-21

vs1/CAF BTJ

Report To CAROLYN WISE

Company MAVI FOSTER & ALONGI

Address 1329 N STATE ST, #301

City, State, ZIP Bellingham, WA 98225

Phone (360) 594 6225 Email carolyn.wise@mafi.com

SAMPLERS (signature) <u>[Signature]</u>	PROJECT NAME <u>AOC4 Interim Remedial action</u>	PO # <u>0624.04.19</u>	INVOICE TO <u>Accounting Department</u>
REMARKS	REMEDIAL ACTION	INVOICE TO	
Project specific RLS? - Yes / No	SAMPLE DISPOSAL <input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH 24hr Rush charges authorized by: <u>[Signature]</u> <input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days		

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pb EPA 6020A	As, Cr, Sc, Ag, Bi by EPA 6020A			
AF1-SSW03-S-0.5	01	10/14/21	1310	S	1												
AF1-NSW02-S-0.5	02	10/14/21	1400		1												
AF1-ESW03-S-0.5	03	10/14/21	1410		1												
AF1-ESW04-S-0.5	04	10/15/21	850		1												
AF1-ESW04-S-0.5	05	10/15/21	1800		1												
AF1-BASE05-S-0.5	05	10/15/21	1440		1												Time 145007 label
AF1-BASE06-S-0.5	06	10/15/21	1450		1												
COMPOST-NH	07A-E	10/15/21	1540		5												
NATIVE SOL-NH	08-L	10/15/21	1550		5												

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<u>[Signature]</u>		<u>Evelyn Lunden</u>		<u>MEA</u>		10/15/21	1806
<u>[Signature]</u>		<u>BISSEK THOSE</u>		<u>FB</u>		10/15/21	1806
Received by:		Received by:		Received by:			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 26, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 20, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110397 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
MFA1026R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 20, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110397 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110397 -01	AF1-NSW03-S-0.5
110397 -02	AF1-SSW04-S-0.5
110397 -03	AF1-SSW05-S-0.5
110397 -04	AF1-BASE07-S-0.5
110397 -05	AF1-BASE08-S-0.5
110397 -06	AF1-NSW04-S-0.5
110397 -07	AF1-NSW05-S-0.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/20/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110397

Date Extracted: NA

Date Analyzed: 10/21/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
AF1-NSW03-S-0.5 110397-01	34
AF1-SSW04-S-0.5 110397-02	27
AF1-SSW05-S-0.5 110397-03	26
AF1-BASE07-S-0.5 110397-04	25
AF1-BASE08-S-0.5 110397-05	23
AF1-NSW04-S-0.5 110397-06	31
AF1-NSW05-S-0.5 110397-07	24

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-NSW03-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-01 x5
Date Analyzed:	10/22/21	Data File:	110397-01 x5.043
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Lead	222
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-SSW04-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-02
Date Analyzed:	10/21/21	Data File:	110397-02.121
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	111
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-SSW05-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-03
Date Analyzed:	10/21/21	Data File:	110397-03.122
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	133
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE07-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-04
Date Analyzed:	10/21/21	Data File:	110397-04.123
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	208
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE08-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-05
Date Analyzed:	10/21/21	Data File:	110397-05.124
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	127
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-NSW04-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-06
Date Analyzed:	10/21/21	Data File:	110397-06.136
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	257
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-NSW05-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/20/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	110397-07
Date Analyzed:	10/21/21	Data File:	110397-07.137
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	176
------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/21/21	Lab ID:	I1-670 mb
Date Analyzed:	10/21/21	Data File:	I1-670 mb.061
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/20/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110397

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110296-38 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	<5	95	88	75-125	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	93	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110387

SAMPLE CHAIN OF CUSTODY

ME 10/20/21

B13

Report To Carolyn Wise

Company Mavi Foster Alongi

Address 1329 N State St. #301

City, State, ZIP Bellingham, WA 98225

Phone (360) 594-6270 Email Courc@maufoirite.com

SAMPLERS (signature) [Signature]

PROJECT NAME ADG4 Internm

Remedial Action

REMARKS

PO #

D024.04.19

INVOICE TO

accounting@maufoirite.com

Page # 1 of 1

TURNAROUND TIME

Standard turnaround
 RUSH 24 hour

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL

Archive samples
 Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	TIM Sampled	DATE Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pb EPA 6020A					
AF1-NSW03-S-0.5	01	1250	10/19/21	S	1													
AF1-SSW04-S-0.5	02	1300																
AF1-SSW05-S-0.5	03	1310																
AF1-BASE07-S-0.5	04	1330																
AF1-BASE08-S-0.5	05	1430																
AF1-NSW04-S-0.5	06	1440																
AF1-NSW05-S-0.5	07	1445																

Samples received at 4 oC

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>[Signature]</u>	<u>Evelyn Lunden</u>	<u>MFA</u>	<u>10/19/21</u>	<u>1530</u>
<u>[Signature]</u>	<u>Liz Webber-Bryer</u>	<u>Fog</u>	<u>10/20/21</u>	<u>1667</u>
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 26, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 21, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110431 project. There are 15 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
MFA1026R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 21, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110431 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110431 -01	WB-STOCKPILE02
110431 -02	WB-STOCKPILE03
110431 -03	AF-STOCKPILE02
110431 -04	AF-STOCKPILE03

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/21/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110431

Date Extracted: NA

Date Analyzed: 10/22/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-STOCKPILE02 110431-01	28
WB-STOCKPILE03 110431-02	28
AF-STOCKPILE02 110431-03	32
AF-STOCKPILE03 110431-04	33

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-STOCKPILE02	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/22/21	Lab ID:	110431-01
Date Analyzed:	10/22/21	Data File:	110431-01.062
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	48.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-STOCKPILE03	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/22/21	Lab ID:	110431-02
Date Analyzed:	10/22/21	Data File:	110431-02.063
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	73.6
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF-STOCKPILE02	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/22/21	Lab ID:	110431-03
Date Analyzed:	10/22/21	Data File:	110431-03.051
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	50.4
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF-STOCKPILE03	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/22/21	Lab ID:	110431-04
Date Analyzed:	10/22/21	Data File:	110431-04.052
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	80.7
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/22/21	Lab ID:	I1-679 mb
Date Analyzed:	10/22/21	Data File:	I1-679 mb.077
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	WB-STOCKPILE02	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/21/21	Lab ID:	110431-01
Date Analyzed:	10/22/21	Data File:	110431-01.035
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	WB-STOCKPILE03	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/21/21	Lab ID:	110431-02
Date Analyzed:	10/22/21	Data File:	110431-02.040
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF-STOCKPILE02	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/21/21	Lab ID:	110431-03
Date Analyzed:	10/22/21	Data File:	110431-03.041
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	AF-STOCKPILE03	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/21/21	Lab ID:	110431-04
Date Analyzed:	10/22/21	Data File:	110431-04.042
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110431
Date Extracted:	10/21/21	Lab ID:	I1-674 mb
Date Analyzed:	10/22/21	Data File:	I1-674 mb.031
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	AP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Arsenic	<1	5.0
Lead	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/21/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110431

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110431-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	32.8	151 b	23 b	75-125	147 b
Lead	mg/kg (ppm)	50	15.1	94	92	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	97	80-120
Lead	mg/kg (ppm)	50	95	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/21/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110431

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

Laboratory Code: 110431-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/L (ppm)	1.0	<1	97	103	75-125	6
Lead	mg/L (ppm)	1.0	<1	93	99	75-125	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/L (ppm)	1.0	100	80-120
Lead	mg/L (ppm)	1.0	98	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110431

SAMPLE CHAIN OF CUSTODY

ME 10-21-21

Page # 1 of 1 (BT)

Report To Carolyn Wise

Company Maul Foster & Alonzi

Address 1329 N State St, #301

City, State, ZIP Bellingham, WA 98225

Phone (360)594-4055 Email carolyn.wise@maulfooster.com

SAMPLERS (signature) <u>[Signature]</u>		PROJECT NAME <u>AOCA Interim Remedial Action</u>	PO # <u>0624.04.19</u>
REMARKS <u>Accounting @ Maul Foster & Alonzi</u>		INVOICE TO	
Project specific RIs? - Yes / No		ANALYSES REQUESTED	
<input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH <u>24 hrs</u> Rush charges authorized by: <u>[Signature]</u>		<input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days	

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As EPA 6020A	Pb EPA 6020A	As TCLP		Pb TCLP
WB-STOCKPILE02	D1	10/21/21	1100	S	1												Please
WB-STOCKPILE03	62		1110										X				Separate
AF-STOCKPILE02	03		1145										X				analytical report for
AF-STOCKPILE03	04		1150										X				Samples analyzed for Col
																	Samples received at 4 °C

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<u>[Signature]</u>		Evelyn Lunden		MFA		10/21/21	1345
Received by: <u>[Signature]</u>		<u>[Signature]</u>		MFA		10/21/21	1345
Relinquished by:							

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 30, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 21, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110432 project. Sample ID WB-NW5W05-S-1.0 has been amended to WB-NWSW05-S-1.0.

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: Mary Benzinger
MFA1026R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 26, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 21, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110432 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
MFA1026R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 21, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110432 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110432 -01	WB-NWSW05-S-1.0
110432 -02	WB-BASE44-S-1.0
110432 -03	WB-BASE45-S-1.0
110432 -04	WB-BASE19-S-2.2
110432 -05	WB-BASE12-S-2.2
110432 -06	WB-BASE46-S-2.0
110432 -07	WB-WSW06-S-2.0
110432 -08	WB-BASE47-S-1.0
110432 -09	WB-SESW06-S-1.0
110432 -10	WB-BASE48-S-1.0
110432 -11	WB-SESW07-S-1.0
110432 -12	AF1-BASE10-S-0.5
110432 -13	AF1-BASE10-S-DUP
110432 -14	WB-BASE09-S-1.2

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/21/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110432

Date Extracted: NA

Date Analyzed: 10/22/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-NWSW05-S-1.0 110432-01	22
WB-BASE44-S-1.0 110432-02	19
WB-BASE45-S-1.0 110432-03	21
WB-BASE19-S-2.2 110432-04	26
WB-BASE12-S-2.2 110432-05	22
WB-BASE46-S-2.0 110432-06	18
WB-WSW06-S-2.0 110432-07	20
WB-BASE47-S-1.0 110432-08	22
WB-SESW06-S-1.0 110432-09	23
WB-BASE48-S-1.0 110432-10	18
WB-SESW07-S-1.0 110432-11	24

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/21/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110432

Date Extracted: NA

Date Analyzed: 10/22/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
AF1-BASE10-S-0.5 110432-12	30
AF1-BASE10-S-DUP 110432-13	29
WB-BASE09-S-1.2 110432-14	19

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-NWSW05-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-01
Date Analyzed:	10/22/21	Data File:	110432-01.046
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	14.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE44-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-02
Date Analyzed:	10/22/21	Data File:	110432-02.047
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	8.52
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE45-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-03
Date Analyzed:	10/22/21	Data File:	110432-03.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	11.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE19-S-2.2	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-04
Date Analyzed:	10/22/21	Data File:	110432-04.066
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	22.2
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE12-S-2.2	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-05
Date Analyzed:	10/22/21	Data File:	110432-05.067
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	28.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE46-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-06
Date Analyzed:	10/22/21	Data File:	110432-06.068
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	14.8
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-WSW06-S-2.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-07
Date Analyzed:	10/22/21	Data File:	110432-07.069
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	29.1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE47-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-08
Date Analyzed:	10/22/21	Data File:	110432-08.070
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	7.35
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW06-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-09
Date Analyzed:	10/22/21	Data File:	110432-09.071
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	45.4
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE48-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-10
Date Analyzed:	10/22/21	Data File:	110432-10.072
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	4.41
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW07-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-11
Date Analyzed:	10/22/21	Data File:	110432-11.073
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	9.71
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE10-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-12
Date Analyzed:	10/22/21	Data File:	110432-12.049
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Lead	77.0
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-BASE10-S-DUP	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-13
Date Analyzed:	10/22/21	Data File:	110432-13.050
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Lead	72.3
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE09-S-1.2	Client:	Maul Foster Alongi
Date Received:	10/21/21	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	110432-14
Date Analyzed:	10/22/21	Data File:	110432-14.074
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	13.4
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	AOC 4 Interim Remedial Action
Date Extracted:	10/22/21	Lab ID:	I1-678 mb
Date Analyzed:	10/22/21	Data File:	I1-678 mb.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/26/21

Date Received: 10/21/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110432

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110432-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	11.0	98 b	195 b	75-125	66 b
Lead	mg/kg (ppm)	50	8.57	92	80	75-125	14

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	101	80-120
Lead	mg/kg (ppm)	50	101	80-120

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
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November 2, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 22, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458 project. There are 33 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
MFA1102R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 22, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110458 -01	WB-BASE36-S-1.5
110458 -02	WB-BASE37-S-1.5
110458 -03	WB-BASE23-S-1.7
110458 -04	WB-BASE22-S-2.2
110458 -05	WB-BASE31-S-1.5
110458 -06	WB-BASE32-S-1.5
110458 -07	WB-BASE30-S-2.2
110458 -08	WB-BASE30-S-Dup
110458 -09	WB-BASE49-S-1.5
110458 -10	WB-BASE50-S-1.5
110458 -11	WB-ESW06-S-1.5
110458 -12	LENZ-NH
110458 -13	CG OGNC-NH
110458 -14	AF1-SSW06-S-0.5

Selenium in the 6020B matrix spike duplicate failed the acceptance criteria. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

Date Extracted: NA

Date Analyzed: 10/23/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
WB-BASE36-S-1.5 110458-01	21
WB-BASE37-S-1.5 110458-02	19
WB-BASE23-S-1.7 110458-03	19
WB-BASE22-S-2.2 110458-04	19
WB-BASE31-S-1.5 110458-05	13
WB-BASE32-S-1.5 110458-06	14
WB-BASE30-S-2.2 110458-07	23
WB-BASE30-S-Dup 110458-08	23
WB-BASE49-S-1.5 110458-09	16
WB-BASE50-S-1.5 110458-10	15
WB-ESW06-S-1.5 110458-11	26
LENZ-NH 110458-12	45

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

Date Extracted: NA

Date Analyzed: 10/23/21

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

<u>Sample ID</u> Laboratory ID	<u>% Moisture</u>
CG OGNC-NH 110458-13	42
AF1-SSW06-S-0.5 110458-14	30

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

Date Extracted: 10/25/21

Date Analyzed: 10/25/21

**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>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 58-139)
LENZ-NH 110458-12	<5	106
CG OGNC-NH 110458-13	<5	104
Method Blank 01-2313 MB	<5	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

Date Extracted: 10/25/21

Date Analyzed: 10/27/21

**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> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 56-165)
LENZ-NH 110458-12	170 x	990	110
CG OGNC-NH 110458-13	110 x	810	107
Method Blank 01-2452 MB	<50	<250	105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

Date Extracted: 10/25/21

Date Analyzed: 10/25/21

**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> 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 53-144)
LENZ-NH 110458-12	1,100 x	2,000	100
CG OGNC-NH 110458-13	270 x	1,000	103
Method Blank 01-2452 MB	<50	<250	88

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE36-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-01
Date Analyzed:	10/25/21	Data File:	110458-01.067
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	4.59
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE37-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-02
Date Analyzed:	10/25/21	Data File:	110458-02.068
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	3.01
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE23-S-1.7	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-03
Date Analyzed:	10/25/21	Data File:	110458-03.069
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	6.55
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE22-S-2.2	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-04
Date Analyzed:	10/25/21	Data File:	110458-04.070
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	4.62
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE31-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-05
Date Analyzed:	10/25/21	Data File:	110458-05.073
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	8.07
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE32-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-06
Date Analyzed:	10/25/21	Data File:	110458-06.074
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	10.6
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE30-S-2.2	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-07
Date Analyzed:	10/25/21	Data File:	110458-07.075
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	3.11
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE30-S-Dup	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-08
Date Analyzed:	10/25/21	Data File:	110458-08.076
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	5.18
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE49-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-09
Date Analyzed:	10/25/21	Data File:	110458-09.077
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	8.67
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-BASE50-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-10
Date Analyzed:	10/25/21	Data File:	110458-10.078
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	5.40
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-ESW06-S-1.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-11
Date Analyzed:	10/25/21	Data File:	110458-11.079
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Arsenic	17.5
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	LENZ-NH	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-12
Date Analyzed:	10/25/21	Data File:	110458-12.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.03
Barium	84.7
Cadmium	<1
Chromium	14.3
Lead	16.8
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	CG OGNC-NH	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-13
Date Analyzed:	10/25/21	Data File:	110458-13.043
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.75
Barium	70.8
Cadmium	<1
Chromium	16.2
Lead	17.7
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AF1-SSW06-S-0.5	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-14
Date Analyzed:	10/25/21	Data File:	110458-14.080
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	71.1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	NA	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	I1-680 mb
Date Analyzed:	10/25/21	Data File:	I1-680 mb.040
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	NA	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	I1-681 mb
Date Analyzed:	10/25/21	Data File:	I1-681 mb.061
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	LENZ-NH	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-12 1/25
Date Analyzed:	10/25/21	Data File:	102510.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	70 d	39	103
Phenol-d6	81 d	48	109
Nitrobenzene-d5	82d	23	138
2-Fluorobiphenyl	94 d	50	150
2,4,6-Tribromophenol	100 d	40	127
Terphenyl-d14	111 d	50	150

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	0.15
Fluorene	0.17
Phenanthrene	0.77
Anthracene	0.074
Fluoranthene	0.54
Pyrene	0.44
Benz(a)anthracene	0.12
Chrysene	0.14
Benzo(a)pyrene	0.080
Benzo(b)fluoranthene	0.11
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	CG OGNC-NH	Client:	Maul Foster Alongi
Date Received:	10/22/21	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	110458-13 1/25
Date Analyzed:	10/25/21	Data File:	102511.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	60 d	39	103
Phenol-d6	66 d	48	109
Nitrobenzene-d5	71 d	23	138
2-Fluorobiphenyl	81 d	50	150
2,4,6-Tribromophenol	82 d	40	127
Terphenyl-d14	91 d	50	150

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	0.17
Fluorene	0.23
Phenanthrene	1.0
Anthracene	0.091
Fluoranthene	0.76
Pyrene	0.56
Benz(a)anthracene	0.14
Chrysene	0.15
Benzo(a)pyrene	0.063
Benzo(b)fluoranthene	0.12
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110458
Date Extracted:	10/25/21	Lab ID:	01-2453 mb 1/5
Date Analyzed:	10/25/21	Data File:	102507.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	86	24	111
Phenol-d6	96	37	116
Nitrobenzene-d5	84	38	117
2-Fluorobiphenyl	93	45	117
2,4,6-Tribromophenol	83	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

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

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

Laboratory Code: 110430-01 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	100	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

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

Laboratory Code: 110456-01 (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	120	111	115	63-146	3

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	110	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

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

Laboratory Code: 110456-01 (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	<50	82	84	64-133	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	80	58-147

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110453-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	11.4	50 b	52 b	75-125	4 b
Barium	mg/kg (ppm)	50	30.7	78 b	73 b	75-125	7 b
Cadmium	mg/kg (ppm)	10	<5	87	83	75-125	5
Chromium	mg/kg (ppm)	50	14.7	74 b	69 b	75-125	7 b
Lead	mg/kg (ppm)	50	22.1	75 b	71 b	75-125	5 b
Mercury	mg/kg (ppm)	5	<5	82	81	75-125	1
Selenium	mg/kg (ppm)	5	<5	78	73 vo	75-125	7
Silver	mg/kg (ppm)	10	<5	80	78	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	95	80-120
Barium	mg/kg (ppm)	50	100	80-120
Cadmium	mg/kg (ppm)	10	100	80-120
Chromium	mg/kg (ppm)	50	103	80-120
Lead	mg/kg (ppm)	50	96	80-120
Mercury	mg/kg (ppm)	5	97	80-120
Selenium	mg/kg (ppm)	5	99	80-120
Silver	mg/kg (ppm)	10	96	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110458-14 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	90	86	75-125	5
Lead	mg/kg (ppm)	50	54.0	95	85	75-125	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	90	80-120
Lead	mg/kg (ppm)	50	89	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

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

Laboratory Code: 110454-01 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	84	86	34-118	2
2-Methylnaphthalene	mg/kg (ppm)	0.83	0.041	90	94	29-130	4
1-Methylnaphthalene	mg/kg (ppm)	0.83	0.085	82	87	37-119	6
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	88	92	45-128	4
Acenaphthene	mg/kg (ppm)	0.83	<0.01	85	88	36-125	3
Fluorene	mg/kg (ppm)	0.83	0.027	88	92	48-121	4
Phenanthrene	mg/kg (ppm)	0.83	0.022	86	89	50-150	3
Anthracene	mg/kg (ppm)	0.83	<0.01	90	90	50-150	0
Fluoranthene	mg/kg (ppm)	0.83	<0.01	99	99	50-150	0
Pyrene	mg/kg (ppm)	0.83	<0.01	87	90	50-150	3
Benzo(a)anthracene	mg/kg (ppm)	0.83	<0.01	91	92	50-150	1
Chrysene	mg/kg (ppm)	0.83	<0.01	87	87	50-150	0
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	95	95	50-150	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	112	94	50-150	17
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	87	89	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	101	104	41-134	3
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	94	95	44-130	1
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	88	88	33-131	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/21

Date Received: 10/22/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110458

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

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	87	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	94	67-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	87	66-107
Acenaphthylene	mg/kg (ppm)	0.83	94	70-130
Acenaphthene	mg/kg (ppm)	0.83	89	66-112
Fluorene	mg/kg (ppm)	0.83	93	67-117
Phenanthrene	mg/kg (ppm)	0.83	91	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	94	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	94	70-130
Chrysene	mg/kg (ppm)	0.83	92	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	112	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	92	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	98	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	94	64-127

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SAMPLE CHAIN OF CUSTODY

ME 10/22/21
 Page # 1 of 2
 BTG/VSH

110458.

Report To: Carolyn Wise

Company: Naval Foster & Alongi

Address: 1329 N State St., #301

City, State, ZIP: Bellingham, WA 98225

Phone: (360)514-6255 Email: carolyn.wise@navalfoster.com

SAMPLERS (signature) [Signature]

PROJECT NAME: ADC 4 Interim Remedial Action

REMARKS: Remedial Action

PO #: 0624.04.19

INVOICE TO: Accounting @ melkoff.com

Project specific RIs? Yes / No

TURNAROUND TIME: Standard turnaround

XRUSH: 24

Rush charges authorized by: [Signature]

SAMPLE DISPOSAL: Archive samples

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes													
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082														
WB-BASE36-S-1.5	01	10/21/21	1440	S	1																					
WB-BASE37-S-1.5	02	10/21/21	1450																							
WB-BASE23-S-1.7	03	10/21/21	1510																							
WB-BASE22-S-2.2	04	10/21/21	1530																							
WB-BASE31-S-1.5	05	10/22/21	915																							
WB-BASE32-S-1.5	06	10/22/21	925																							
WB-BASE30-S-2.2	07	10/22/21	945																							
WB-BASE30-S-DVP	08	10/22/21	945																							
WB-BASE44-S-1.5	09	10/22/21	1030																							
WB-BASE50-S-1.5	10	10/22/21	1040																							

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>[Signature]</u>	<u>Evelyn Lundeen</u>	<u>MEFA</u>	<u>10/22</u>	<u>1620</u>
<u>[Signature]</u>	<u>VVH</u>	<u>FBI</u>	<u>10/22</u>	<u>1620</u>
Received by:				
Relinquished by:				
Received by:				
Relinquished by:				

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

110458

SAMPLE CHAIN OF CUSTODY

ME 10/22/21

BEY/US 2

Report to Carolyn Wise
 Company Maul Foster + Almgri
 Address 1329 N State St., #301
 City, State, ZIP Bellingham, WA 98225
 Phone (360) 544-6285 Email carolyn.wise@maul-foster.com

SAMPLERS (signature)	<i>[Signature]</i>
PROJECT NAME	ADC 4 Interim Remedial Action
PO #	0624.04.19
REMARKS	INVOICE TO accounting @ maulfoster.com
Project specific RIS? - Yes / No	

TURNAROUND TIME	<input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> RUSH 24 hrs Rush charges authorized by: <i>[Signature]</i>
SAMPLE DISPOSAL	<input type="checkbox"/> Archive samples <input type="checkbox"/> Other Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pb EPA 6020A	As EPA 6020A	Pb, Cd, Hg, As, Cr 6, Ag, Ba		D _r /Silica Gel
WB-ESW06-S-15	11	10/22/21	1110	S	1												ER
LENZ - NH	RAE	10/22/21	1340	S	5	X	X			X					X	(*)	ER
CG OGNL-NH	13 AE	10/22/21	1350	S	5	X	X			X					X	(*)	* Please have results for started (*)
AF1-SSW06-S-0.5	14	10/22/21	1320	S	1										X		Samples by COB 10/23 if possible

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

Reinquished by:	<i>[Signature]</i>	PRINT NAME	Erlyn Lundeen	COMPANY	MEFA	DATE	10/22/21	TIME	1620
Received by:	<i>[Signature]</i>	PRINT NAME	VIN H	COMPANY	FBI	DATE	10/22	TIME	1620
Received by:		PRINT NAME		COMPANY		DATE		TIME	

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
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fbi@isomedia.com
www.friedmanandbruya.com

December 30, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included is the amended report from the testing of material submitted on October 27, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533 project. Sample ID WB-SESW08-5-1.0 has been amended to WB-SESW08-S-1.0.

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: Mary Benzinger
MFA1101R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 1, 2021

Carolyn Wise, Project Manager
Maul Foster Alongi
1329 N State St, Suite 301
Bellingham, WA 98225

Dear Ms Wise:

Included are the results from the testing of material submitted on October 27, 2021 from the AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533 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
MFA1101R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 27, 2021 by Friedman & Bruya, Inc. from the Maul Foster Alongi AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Maul Foster Alongi</u>
110533 -01	WB-SESW08-S-1.0
110533 -02	SAND-NH

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

Date Extracted: NA

Date Analyzed: 10/28/21

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

Sample ID

% Moisture

Laboratory ID

WB-SESW08-S-1.0

34

110533-01

SAND-NH

4

110533-02

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

Date Extracted: 10/28/21

Date Analyzed: 10/28/21

**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>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
SAND-NH 110533-02	<5	127
Method Blank 01-2320 MB	<5	118

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

Date Extracted: 10/28/21

Date Analyzed: 10/28/21

**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> 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 48-168)
SAND-NH 110533-02	<50	<250	112
Method Blank 01-2476 MB	<50	<250	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	WB-SESW08-S-1.0	Client:	Maul Foster Alongi
Date Received:	10/27/21	Project:	0624.04.19, F&BI 110533
Date Extracted:	10/28/21	Lab ID:	110533-01
Date Analyzed:	10/28/21	Data File:	110533-01.101
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	45.6
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	SAND-NH	Client:	Maul Foster Alongi
Date Received:	10/27/21	Project:	0624.04.19, F&BI 110533
Date Extracted:	10/28/21	Lab ID:	110533-02
Date Analyzed:	10/28/21	Data File:	110533-02.102
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	1.45
Barium	41.4
Cadmium	<1
Chromium	14.9
Lead	2.27
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	NA	Project:	0624.04.19, F&BI 110533
Date Extracted:	10/28/21	Lab ID:	I1-694 mb
Date Analyzed:	10/28/21	Data File:	I1-694 mb.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SAND-NH	Client:	Maul Foster Alongi
Date Received:	10/27/21	Project:	0624.04.19, F&BI 110533
Date Extracted:	10/28/21	Lab ID:	110533-02 1/5
Date Analyzed:	10/28/21	Data File:	102814.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	74	24	111
Phenol-d6	83	37	116
Nitrobenzene-d5	82	38	117
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	76	11	158
Terphenyl-d14	87	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:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	0624.04.19, F&BI 110533
Date Extracted:	10/28/21	Lab ID:	01-2467 mb2 1/5
Date Analyzed:	10/28/21	Data File:	102807.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	81	24	111
Phenol-d6	92	37	116
Nitrobenzene-d5	79	38	117
2-Fluorobiphenyl	92	45	117
2,4,6-Tribromophenol	80	11	158
Terphenyl-d14	97	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: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

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

Laboratory Code: 110487-01 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	100	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

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

Laboratory Code: 110533-02 (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	<50	104	104	73-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 110535-21 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	85	85	75-125	0
Barium	mg/kg (ppm)	50	58.0	92	92	75-125	0
Cadmium	mg/kg (ppm)	10	<5	97	94	75-125	3
Chromium	mg/kg (ppm)	50	31.5	91	86	75-125	6
Lead	mg/kg (ppm)	50	<5	94	90	75-125	4
Mercury	mg/kg (ppm)	5	<5	94	87	75-125	8
Selenium	mg/kg (ppm)	5	<5	82	79	75-125	4
Silver	mg/kg (ppm)	10	<5	88	84	75-125	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	88	80-120
Barium	mg/kg (ppm)	50	94	80-120
Cadmium	mg/kg (ppm)	10	93	80-120
Chromium	mg/kg (ppm)	50	101	80-120
Lead	mg/kg (ppm)	50	94	80-120
Mercury	mg/kg (ppm)	5	96	80-120
Selenium	mg/kg (ppm)	5	93	80-120
Silver	mg/kg (ppm)	10	88	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21

Date Received: 10/27/21

Project: AOC 4 Interim Remedial Action 0624.04.19, F&BI 110533

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

Laboratory Code: 110498-01 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	82	50-150	5
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	94	89	50-150	5
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	94	88	50-150	7
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	95	91	50-150	4
Acenaphthene	mg/kg (ppm)	0.83	0.015	93	87	50-150	7
Fluorene	mg/kg (ppm)	0.83	0.0099	98	95	50-150	3
Phenanthrene	mg/kg (ppm)	0.83	0.16	97	85	50-150	13
Anthracene	mg/kg (ppm)	0.83	0.033	95	91	50-150	4
Fluoranthene	mg/kg (ppm)	0.83	0.24	97 b	87 b	50-150	11 b
Pyrene	mg/kg (ppm)	0.83	0.29	101 b	90 b	50-150	12 b
Benz(a)anthracene	mg/kg (ppm)	0.83	0.13	97	91	50-150	6
Chrysene	mg/kg (ppm)	0.83	0.14	95	88	50-150	8
Benzo(a)pyrene	mg/kg (ppm)	0.83	0.16	99	91	50-150	8
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	0.17	98 b	95 b	50-150	3 b
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	0.060	105	98	50-150	7
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	0.090	86	75	50-150	14
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	0.025	88	81	50-150	8
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	0.095	73	65	50-150	12

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	90	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	95	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	94	62-108
Acenaphthylene	mg/kg (ppm)	0.83	96	61-111
Acenaphthene	mg/kg (ppm)	0.83	94	61-110
Fluorene	mg/kg (ppm)	0.83	96	62-114
Phenanthrene	mg/kg (ppm)	0.83	98	64-112
Anthracene	mg/kg (ppm)	0.83	95	63-111
Fluoranthene	mg/kg (ppm)	0.83	99	66-115
Pyrene	mg/kg (ppm)	0.83	99	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	99	64-116
Chrysene	mg/kg (ppm)	0.83	99	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	100	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	105	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	102	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	87	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	89	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	84	67-126

SAMPLE CHAIN OF CUSTODY

ME 10/27/21

VSJ / 18711

110523
 Report to: Carolyn Wiss
 Company: Maul Foster & Alcorn
 Address: 1329 N State St., #301
 City, State, ZIP: Bellingham WA 98225
 Phone: 360-594-6255 Email: c.wiss@mfal.com

SAMPLERS (signature) [Signature]
 PROJECT NAME: Doc 4 Interim Remedial Action
 PO #: 0624.04.19
 REMARKS: Remedial Action
 INVOICE TO: Accounting Department
 Project specific RIs? - Yes / No

Page # 1 of 1
 TURNAROUND TIME
 Standard turnaround
 RUSH 24 hrs
 Rush charges authorized by: [Signature]
 SAMPLE DISPOSAL
 Archive samples
 Other
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes			
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	As, Se, Cr, Pb EPA 8020						
WB-SES-W08-S-1.0	01	10/27/21	1400	S	1														
SAND-NH	01A-E	10/27/21	1200	S	5	XX					X								

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>		Evelyn Lyden		MFA		10/27/21	1630
Received by: <u>[Signature]</u>		Eric Paul		TFP		10/27/21	1630
Relinquished by:							
Received by:							

Samples received at 4 30

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

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. The value reported is an estimate.

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix G

Data Validation Report



MAUL
FOSTER
ALONGI

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. M0624.04.019 | DECEMBER 21, 2021 | PORT OF SKAGIT

Maul Foster & Alongi, Inc. (MFA) conducted an independent stage 2A review of the quality of analytical results for excavation soil, stockpile soil, and associated quality control samples collected at the Sedro-Woolley Innovation for Tomorrow (SWIFT) Center located at 2070 Northern State Road in Sedro-Woolley, Washington in October 2021.

Friedman & Bruya, Inc. (FBI) performed the analyses. FBI report numbers 110128, 110190, 110190-additional, 110209-amended1, 110209-amended2, 110209-additional, 110263-amended1, 110263-amended2, 110263-additional, 110296-amended, 110296-additional1, 110296-additional2, 110328-amended, 110397, 110431, 110432-amended, 110458, and 110533-amended were reviewed. The analyses performed and samples analyzed are listed below. Samples submitted to FBI on hold are also indicated.

Analysis	Method Reference
Diesel- and motor-oil-range hydrocarbons	NWTPH-Dx
Diesel- and motor-oil-range hydrocarbons with silica-gel treatment	NWTPH-Dx-SGT
Gasoline-range hydrocarbons	NWTPH-Gx
HCID	NWTPH-HCID
Percent moisture	ASTM D2216-98
Semivolatile organic compounds	EPA 8270E
TCLP metals	EPA 1311/6020B
Total metals	EPA 6020B
NOTES: ASTM = ASTM International. EPA = U.S. Environmental Protection Agency. HCID = hydrocarbon identification. NWTPH = Northwest Total Petroleum Hydrocarbons. SGT = silica-gel treatment. TCLP = toxicity characteristic leaching procedure.	

Samples Analyzed			
Report 110128	Report 110190/110190-additional		
Fill	WB-NWSW04-S-1.0	WB-Base02-S-0.5	WB-Base17-S-1.0
XRF-FS	WB-NWSW04-S-Dup	WB-Base01-S-1.0	WB-Base18-S-1.0
AF1-ESW01-S-0.5	WB-NWSW03-S-1.0	WB-Base11-S-1.0	WB-WSW01-S-1.0
AF1-ESW02-S-0.5	WB-NWSW02-S-1.0	WB-Base10-S-1.0	WB-WSW02-S-1.0
AF1-SSW02-S-0.5	WB-NWSW01-S-1.0	WB-Base09-S-1.0	WB-WSW03-S-1.0
AF1-SSW01-S-0.5	WB-NSW01-S-1.0	WB-Base08-S-1.0	WB-WSW04-S-1.0
AF1-WSW02-S-0.5	WB-NSW02-S-0.5	WB-Base07-S-1.0	WB-WSW05-S-1.0

R:\0624.04 Port of Skagit\Report\019_2024.09.11 AOC 4 Completion Report\Appendix G - DVM\DVM_SWIFT_CUI-AOC4_Oct2021.docx

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Samples Analyzed			
AF1-WSW01-S-0.5	WB-NSW03-S-0.5	WB-Base06-S-1.0	WB-SSW01-S-1.0
AF1-NWSW01-S-0.5	WB-NSW04-S-1.0	WB-Base12-S-1.0	WB-WSW05-S-Dup
AF1-NSW01-S-0.5	WB-NSW05-S-0.5	WB-Base13-S-1.0	WB-SSW02-S-1.0
--	WB-Base05-S-0.5	WB-Base14-S-1.0	WB-SSW03-S-1.0
--	WB-Base04-S-0.5	WB-Base15-S-1.0	--
--	WB-Base03-S-0.5	WB-Base16-S-1.0	--
Report 110209-amended1/110209-additional			Report 110263-amended1/ 110263-additional
WB-BASE19-S-1.0	WB-BASE32-S-1.0	WB-SESW05-S-1.0	AF2-BASE01-S-1.0
WB-BASE20-S-1.0	WB-BASE33-S-1.0	WB-SESW04-S-1.0	AF2-BASE02-S-1.0
WB-BASE21-S-1.0	WB-BASE34-S-1.0	WB-SESW04-S-Dup	AF2-BASE03-S-1.0
WB-BASE22-S-1.0	WB-BASE35-S-1.0	WB-SESW03-S-1.0	AF2-SSW01-S-1.0
WB-BASE23-S-1.0	WB-BASE36-S-1.0	WB-SESW02-S-1.0	AF2-NSW01-S-1.0
WB-BASE24-S-1.0	WB-BASE37-S-1.0	WB-SESW01-S-1.0	AF2-WSW01-S-1.0
WB-BASE25-S-1.0	WB-BASE38-S-1.0	WB-ESW05-S-1.0	AF2-WSW02-S-1.0
WB-BASE26-S-1.0	WB-BASE36-S-Dup	WB-ESW04-S-1.0	AF2-ESW01-S-1.0
WB-BASE27-S-1.0	WB-BASE39-S-1.0	WB-ESW03-S-1.0	AF2-ESW02-S-1.0
WB-BASE28-S-1.0	WB-BASE40-S-1.0	WB-ESW02-S-1.0	AF1-BASE01-S-0.5
WB-BASE29-S-1.0	WB-BASE41-S-1.0	WB-ESW01-S-1.0	AF1-BASE02-S-0.5
WB-BASE30-S-1.0	WB-BASE42-S-1.0	--	AF1-BASE03-S-0.5
WB-BASE31-S-1.0	WB-BASE43-S-1.0	--	AF1-BASE04-S-0.5
Report 110209-amended2	Report 110263-amended2	--	--
		--	--
WB-StockPile01	AF-STOCKPILE01	--	--
Report 110296-amended/110296-additional1^(a)/110296-additional2^(b)			
AF1-WSW03-S-0.5	WB-Base07-S-2.0 (hold)	WB-Base01-S-1.5	WB-Base23-S-1.5
AF1-WSW04-S-0.5	WB-Base08-S-1.5	WB-Base01-S-2.0 (hold)	WB-Base23-S-2.0 (hold)
AF1-NWSW02-S-0.5	WB-Base09-S-1.5 (hold)	WB-Base17-S-1.5 (hold)	WB-Base24-S-1.5
WB-Base15-S-1.5 (hold)	WB-Base09-S-2.0	WB-Base17-S-2.0	WB-Base24-S-2.0 (hold)
WB-Base15-S-2.0	WB-Base11-S-1.5 (hold)	WB-Base18-S-1.5	WB-Base29-S-1.5 (hold)
WB-Base16-S-1.5	WB-Base11-S-2.0	WB-Base18-S-2.0 (hold)	WB-Base29-S-2.0
WB-Base16-S-2.0 (hold)	WB-Base12-S-1.5 (hold)	WB-Base19-S-1.5 (hold)	WB-Base30-S-1.5
WB-Base10-S-1.5	WB-Base12-S-2.0	WB-Base19-S-2.0	WB-Base30-S-2.0 (hold)
WB-Base10-S-2.0 (hold)	WB-Base13-S-1.5 (hold)	WB-Base22-S-1.5 (hold)	
WB-Base07-S-1.5	WB-Base13-S-2.0	WB-Base22-S-2.0	
Report 110328-amended			
AF1-SSW03-S-0.5	AF1-ESW03-S-0.5	AF1-BASE05-S-0.5	COMPOST-NH

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Samples Analyzed			
AF1-NSW02-S-0.5	AF1-ESW04-S-0.5	AF1-BASE06-S-0.5	NATIVE SOIL-NH
Report 110431			
WB-STOCKPILE02	WB-STOCKPILE03	AF-STOCKPILE02	AF-STOCKPILE03
Report 110397	Report 110432-amended	Report 110458	Report 110533-amended
AF1-NSW03-S-0.5	WB-NWSW05-S-1.0	WB-BASE36-S-1.5	WB-SESW08-S-1.0
AF1-SSW04-S-0.5	WB-BASE44-S-1.0	WB-BASE37-S-1.5	SAND-NH
AF1-SSW05-S-0.5	WB-BASE45-S-1.0	WB-BASE23-S-1.7	--
AF1-BASE07-S-0.5	WB-BASE19-S-2.2	WB-BASE22-S-2.2	--
AF1-BASE08-S-0.5	WB-BASE12-S-2.2	WB-BASE31-S-1.5	--
AF1-NSW04-S-0.5	WB-BASE46-S-2.0	WB-BASE32-S-1.5	--
AF1-NSW05-S-0.5	WB-WSW06-S-2.0	WB-BASE30-S-2.2	--
--	WB-BASE47-S-1.0	WB-BASE30-S-Dup	--
--	WB-SESW06-S-1.0	WB-BASE49-S-1.5	--
--	WB-BASE48-S-1.0	WB-BASE50-S-1.5	--
--	WB-SESW07-S-1.0	WB-ESW06-S-1.5	--
--	AF1-BASE10-S-0.5	LENZ-NH	--
--	AF1-BASE10-S-DUP	CG OGNC-NH	--
--	WB-BASE09-S-1.2	AF1-SSW06-S-0.5	--
<p>^(a)The following samples were originally submitted on hold for report 110296-amended, were removed from hold, and were reported in 110296-additional1: Samples WB-Base15-S-2.0, WB-Base16-S-1.5, WB-Base10-S-1.5, WB-Base07-S-1.5, WB-Base08-S-1.5, WB-Base09-S-2.0, WB-Base11-S-2.0, WB-Base12-S-2.0, WB-Base01-S-1.5, WB-Base17-S-2.0, WB-Base18-S-1.5, WB-Base19-S-2.0, WB-Base22-S-2.0, WB-Base23-S-1.5, WB-Base24-S-1.5, WB-Base29-S-2.0, and WB-Base30-S-1.5.</p> <p>^(b)Sample WB-Base13-S-2.0 was originally submitted on hold for report 110296-amended, was removed from hold, and was reported in 110296-additional2.</p>			

DATA QUALIFICATION

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

Data validation procedures were modified, as appropriate, to accommodate quality control requirements for methods not specifically addressed by EPA data review procedures (e.g., NWTPH-Dx).

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

Final data qualifier assigned:

U = result is non-detect at the method reporting limit (MRL)

According to report 110328-amended, NWTPH-HCID diesel and heavy oil detected results for sample COMPOST-NH were flagged by FBI because of chromatographic patterns that did not match the diesel and heavy oil fuel standards used for quantitation. Qualification was not required because NWTPH-HCID results are qualitative.

According to report 110458, NWTPH-Dx and NWTPH-Dx-SGT diesel-range hydrocarbon results detected for samples LENZ-NH and CG OGNC-NH were flagged by FBI because of chromatographic patterns that did not match the diesel standard used for quantitation. Qualification was not required because the detected results were reported as diesel-range hydrocarbons instead of a specific fuel product.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

Extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

According to reports 110190 and 110190-additional, the sample receipt temperature was not recorded on the chain of custody (COC). The reviewer confirmed with the laboratory that samples were received by FBI at 4 degrees Celsius, meeting sample storage criteria.

All samples were preserved and stored appropriately.

BLANKS

Method Blanks

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

All laboratory method blank results were non-detect to MRLs for all target analytes.

Equipment Rinse Blanks

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

Trip Blanks

Trip blanks are used to evaluate whether volatile organic compound contamination was introduced during sample storage and shipment between the sampling location and the laboratory. Trip blanks were not required because project samples were not analyzed for volatile organic compounds.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A laboratory control sample (LCS) and a laboratory control sample duplicate (LCSD) are spiked with target analytes to provide information about laboratory precision and accuracy. The LCS/LCSD samples were extracted and analyzed at the required frequency. When LCSD results were not provided, batch precision was evaluated with laboratory duplicate or matrix spike/matrix spike duplicate (MS/MSD) sample results.

All LCS/LCSD results were within acceptance limits for percent recovery and relative percent difference (RPD).

LABORATORY DUPLICATE RESULTS

Laboratory duplicate results are used to evaluate laboratory precision. All laboratory duplicate samples were extracted and analyzed at the required frequency. When laboratory duplicate results were not reported, batch precision was evaluated with LCS/LCSD or MS/MSD results. Laboratory duplicate results within five times the MRL did not require evaluation.

All laboratory duplicate results met RPD acceptance criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

MS/MSD results are used to evaluate laboratory precision and accuracy as well as the effect of the sample matrix on sample preparation and analysis. All MS/MSD samples were prepared and analyzed at the required frequency. When MS/MSD percent recoveries and RPDs were outside acceptance limits because of high concentrations of analyte in the sample, the reviewer assigned no qualifications.

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

FBI flagged MS/MSD results when the spike concentrations were less than five times the MS/MSD sample concentrations, noting that associated MS/MSD percent recoveries may not be accurate. When MS/MSD percent recovery and RPD results exceeded acceptance limits

and analyte concentrations in the sample used to prepare the MS/MSD were less than four times the MS/MSD spike concentration, the reviewer qualified the associated sample results.

According to report 110190, the EPA Method 6020B MSD (110190-21 MSD) arsenic result, at 69 percent, was below the lower percent recovery acceptance limit of 75 percent. The MS percent recovery was acceptable at 98 percent. The MS/MSD total arsenic RPD, at 35 percent, exceeded the control limit of 20 percent. The MS/MSD sample concentration was less than four times the MS/MSD spike concentration; thus, the reviewer qualified the associated sample result with “J,” as estimated.

According to report 110209-amended1, the EPA Method 6020B MS/MSD (110209-01 MS/MSD) results were both below the lower percent recovery acceptance limit for total arsenic of 75 percent, at 43 percent and 62 percent, respectively. The MS/MSD exceeded the total arsenic RPD control limit of 20 percent, at 36 percent. The arsenic sample concentration is 23.8 milligrams per kilogram (mg/kg); the spike concentration is 10 mg/kg. The MS/MSD sample concentration was less than four times the MS/MSD spike concentration; thus, the reviewer qualified the associated sample result with “J,” as estimated.

According to reports 110209-amended1 and 110209-amended2, the EPA Method 6020B MS/MSD (110209-21 MS/MSD) results exceeded both percent recovery and RPD control limits. The MS/MSD sample concentration was greater than four times the MS/MSD spike concentration; thus, qualification was not required.

According to report 110328-amended, the EPA Method 6020B MSD (1103285-01 MSD) result for total lead was below the lower percent recovery acceptance limit of 75 percent, at 74 percent, and the MS/MSD exceeded the total lead RPD control limit of 20 percent, at 26 percent. The MS/MSD sample concentration was less than four times the MS/MSD spike concentration; thus, the reviewer qualified the associated sample result with “J,” as estimated.

According to report 110431, the EPA Method 6020B MS (110431-01 MS) result for total arsenic was below the above the upper percent recovery acceptance limit of 125 percent, at 151 percent, and the MSD (110431-01 MSD) result for total arsenic was below the lower percent recovery acceptance limit of 75 percent, at 23 percent. The MS/MSD also exceeded the total arsenic RPD control limit of 20 percent, at 147 percent. The MS/MSD sample concentration was less than four times the MS/MSD spike concentration; thus, the reviewer qualified the associated sample result with “J,” as estimated.

According to report 110432-amended, the EPA Method 6020B MS/MSD (110432-01 MS/MSD) exceeded the total arsenic upper percent recovery acceptance limit of 125 percent, at 98 percent and 195 percent, respectively. The MS/MSD also exceeded the total arsenic RPD control limit of 20 percent, at 66 percent. The MS/MSD sample concentration was less than four times the MS/MSD spike concentration; thus, the reviewer qualified the associated sample result with “J,” as estimated.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
110190	WB-Base06-S-1.0	Total arsenic	14.7	14.7 J
110209-amended1	WB-BASE19-S-1.0	Total arsenic	30.3	30.3 J
110328-amended	AF1-SSW03-S-0.5	Total lead	104	104 J
110431	WB-STOCKPILE02	Total arsenic	48.9	48.9 J
110432-amended	WB-NWSW05-S-1.0	Total arsenic	14.9	14.9 J
NOTES: J = result is estimated. mg/kg = milligrams per kilogram.				

The remaining MS/MSD results met acceptance criteria for percent recovery and RPD.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance for individual samples. The laboratory appropriately documented and qualified surrogate outliers. The reviewer confirmed that batch quality assurance/quality control results for samples with surrogate outliers were within acceptance limits.

According to report 110328-amended, the NWTPH-HCID surrogate result for sample COMPOST-NH was flagged by FBI because of recovery outside control limits. FBI also indicated that the surrogate recovery was impacted by sample matrix effects. The associated diesel and heavy oil results did not require qualification because NWTPH-HCID results are qualitative.

All remaining surrogate results were within percent recovery acceptance limits.

CONTINUING CALIBRATION VERIFICATION RESULTS

Continuing calibration verification (CCV) results are used to demonstrate instrument precision and accuracy through the end of the sample batch. FBI did not report CCV results.

FIELD DUPLICATE RESULTS

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

Report	Field Sample	Field Duplicate Sample
110190	WB-NWSW04-S-1.0	WB-NWSW04-S-Dup
	WB-WSW05-S-1.0	WB-WSW05-S-Dup
110209-amended1, 110209-additional	WB-BASE36-S-1.0	WB-BASE36-S-Dup
	WB-SESW04-S-1.0	WB-SESW04-S-Dup

Report	Field Sample	Field Duplicate Sample
110432-amended	AF1-BASE10-S-0.5	AF1-BASE10-S-DUP
110458	WB-BASE30-S-2.2	WB-BASE30-S-Dup

MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the MRL, or 50 percent RPD for results that are greater than five times the MRL. Non-detect data are not used in the evaluation of field duplicate results. Field duplicate results that exceeded the acceptance criteria were qualified with a “J,” as estimated.

According to reports 110190-additional and 110209-additional, toxicity characteristic leaching procedure (TCLP) arsenic analysis by EPA Method 6020B was performed for samples WB-WSW05-S-Dup and WB-BASE36-S-Dup, but not for the associated field samples WB-WSW05-S-1.0 and WB-BASE36-1.0. Additionally, the field sample WB-SESW04-S-1.0 was analyzed for TCLP arsenic by EPA Method 6020B, but the associate field duplicate sample WB-SESW04-S-1.0 was not. These TCLP arsenic results could not be evaluated for field precision.

All field duplicate results met the RPD acceptance criteria.

REPORTING LIMITS

FBI used routine reporting limits for non-detect results, except for samples requiring dilutions because of high analyte concentrations and/or matrix interferences.

According to report 110328-amended, EPA Method 6020B and 8270E MRLs for sample COMPOST-NH were raised because of higher than typical percent moisture. No qualification was required.

DATA PACKAGE

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

According to report 110128, sample name “FILL” was recorded on the COC but was reported by FBI as “Fill.” Similarly, sample names recorded with all-capital letters on COCs included with reports 110190 and 110296-amended were reported by FBI in proper name format (e.g., sample name reported as “Base” instead of “BASE”). According to the COCs provided for reports 110209-amended1 and 110458, field duplicate samples names were appended with “-DUP” but were reported by FBI as “-Dup.” Sample name “WB-STOCKPILE01” recorded on the COC included with report 110209-amended2 was reported by FBI as “WB-StockPile01.” As these sample name changes were minor, the reviewer took no action.

According to reports 110128, 110328-amended, 110458, and 110533-amended, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were included with polycyclic aromatic hydrocarbon EPA Method 8270E results for samples Fill, COMPOST-NH,

NATIVE SOIL-NH, LENZ-NH, CG OGNC-NH, and SAND-NH. No action by the reviewer was required.

According to report 110190-additional, TCLP arsenic analysis by EPA Method 6020B was added to sample WB-WSW05-S-Dup by the MFA project manager after sample results were initially reported in 110209-amended1. FBI recorded the request on the COC. The reviewer confirmed that a TCLP analysis was not requested for the associated field sample WB-WSW05-S-1.0. No additional action by the reviewer was required.

According to reports 110209-amended1 and 110209-amended2, sample WB-StockPile01 was relogged to 110209-amended2 at the MFA project manager's request after samples were received by FBI. No action by the reviewer was required.

According to report 110209-additional, TCLP arsenic analysis by EPA Method 6020B was added to samples WB-BASE37-S-1.0, WB-BASE36-S-DUP, and WB-SESW04-S-1.0 by the MFA project manager after sample results were initially reported in 110209-amended1. FBI recorded the request on the COC. The reviewer confirmed that TCLP arsenic analysis for the field sample associated with WB-BASE36-S-DUP, sample WB-BASE36-S-1.0, was not requested. No additional action by the reviewer was required.

According to report 110263-additional, TCLP lead analysis by EPA Method 6020B was added to samples AF1-BASE01-S-0.5, AF1-BASE02-S-0.5, AF1-BASE03-S-0.5, and AF1-BASE04-S-0.5 by the MFA project manager following results initially reported in 110263-amended1. FBI recorded the request on the COC. No action by the reviewer was required.

According to report 110296-additional1, total arsenic analysis by EPA Method 6020B was added by the MFA project manager to samples WB-Base15-S-2.0, WB-Base16-S-1.5, WB-Base10-S-1.5, WB-Base07-S-1.5, WB-Base08-S-1.5, WB-Base09-S-2.0, WB-Base11-S-2.0, WB-Base12-S-2.0, WB-Base01-S-1.5, WB-Base17-S-2.0, WB-Base18-S-1.5, WB-Base19-S-2.0, WB-Base22-S-2.0, WB-Base23-S-1.5, WB-Base24-S-1.5, WB-Base29-S-2.0, and WB-Base30-S-1.5 following results initially reported in 110296-amended. FBI recorded the request on the COC. No action by the reviewer was required.

According to report 110296-additional2, total arsenic analysis by EPA Method 6020B was added by the MFA project manager to sample WB-Base13-S-2.0 following results initially reported in 110296-amended. FBI recorded the request on the COC. No action by the reviewer was required.

According to report 110458, NWTPH-Dx-SGT analysis was added to samples LENZ-HN and CG OGNC-NH after samples were received by FBI. No action by the reviewer was required.

No additional issues were found.

REFERENCES

EPA. 1986. Test methods for evaluating solid waste, physical/chemical methods. EPA publication SW-846. 3d ed. U.S. Environmental Protection Agency. Final updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), V (2015), VI phase I (2017), VI phase II (2018), VI phase III (2019).

EPA. 2020a. EPA contract laboratory program, national functional guidelines for inorganic Superfund methods data review. EPA 542-R-20-006. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. November.

EPA. 2020b. EPA contract laboratory program, national functional guidelines for organic Superfund methods data review. EPA 540-R-20-005. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. November.

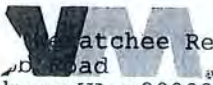
FBI. 2019. Quality assurance manual. Rev. 17. Friedman & Bruya, Inc., Seattle, Washington. November 6.

Appendix H

Truck Tickets



MAUL
FOSTER
ALONGI



Wahatchee Regional Landfill

Original Ticket# 912399

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/12/2021 Vehicle# 58
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	
In 11/12/2021 13:34:28	Inbound	Janelle		98720 lb	
Out 11/12/2021 13:55:42	Outbound	Janelle		40740 lb	
				Net	57980 lb
				Tons	28.99

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.99	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.99	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature

Jel 4-11-58

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WMA
Great Falls-Watchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802
Waste Management

Original
Ticket# 912421
Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
Ticket Date 11/12/2021 Vehicle# 35
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0508619
Destination Grid
Manifest 116574wa
Profile 116574WA (LF01 Metals impacted soils)
Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
PO#

Time	Scale	Operator	Inbound	Gross	92620 lb
In 11/12/2021 15:02:50	Inbound	Janelle		Tare	41120 lb
Out 11/12/2021 15:18:31	Outbound	Janelle		Net	51500 lb
				Tons	25.75

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	25.75	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	25.75	Tons				Skagit

Total Tax/Fees
Total Ticket

Driver's Signature

Jel for ICI 35

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Greater Wasatch Regional Landfill Original
 191 Webb Road Ticket# 912406
 Wenatchee, WA 98802 Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/12/2021 Vehicle# 54
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	96580 lb
In 11/12/2021 14:01:30	Inbound	Janelle		Tare	40500 lb
Out 11/12/2021 14:53:28	Outbound	Janelle		Net	56080 lb
				Tons	28.04


Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.04	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.04	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JL for Dick 54*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.


 Great Wenatchee Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802
 Ph: (509) 884-2802

Original
 Ticket# 912389

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/12/2021 Vehicle# 53
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	100440 lb
In 11/12/2021 12:42:14	Inbound	jvanhov		Tare	40800 lb
Out 11/12/2021 12:55:33	Outbound	Janelle		Net	59640 lb
				Tons	29.82

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	29.82	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	29.82	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *Jed for ICI 53*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WWM
Greater Watchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Original
Ticket# 912419

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
Ticket Date 11/12/2021 Vehicle# 38
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0508619
Destination Grid
Manifest 116574wa
Profile 116574WA (LF01 Metals impacted soils)
Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
PO#

Time	Scale	Operator	Inbound	Gross	95160 lb
In 11/12/2021 14:51:09	Inbound	Janelle		Tare	40760 lb
Out 11/12/2021 15:03:36	Outbound	Janelle		Net	54400 lb
				Tons	27.20

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	27.20	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	27.20	Tons				Skagit

Total Tax/Fees
Total Ticket

Driver's Signature

JL for ICI 38

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Greenville-Watchee Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802

Original
 Ticket# 912415
 Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/12/2021 Vehicle# 66
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	97360 lb
In 11/12/2021 14:19:49	Inbound	Janelle		Tare	42140 lb
Out 11/12/2021 14:54:36	Outbound	Janelle		Net	55220 lb
				Tons	27.61

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	27.61	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	27.61	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *all for ICI 66*

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WMA
Greenville-Watchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Original
Ticket# 912388

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
Ticket Date 11/12/2021 Vehicle# 59
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0508619
Destination Grid
Manifest 116574wa
Profile 116574WA (LF01 Metals impacted soils)
Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
PO#

Time	Scale	Operator	Inbound	Gross	99080 lb
In 11/12/2021 12:40:41	Inbound	jvanhov		Tare	41420 lb
Out 11/12/2021 12:49:46	Outbound	jvanhov		Net	57660 lb
				Tons	28.83

Comments


Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.83	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.83	Tons				Skagit

Total Tax/Fees
Total Ticket

Driver's Signature



The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.


 Great Smokey Mountains National Forest
 Great Smokey Mountains National Forest
 191 Webb Road
 Wenas, WA 98660
 Ph: (509) 884-2802

Original Ticket# 912398

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/12/2021 Vehicle# 67
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

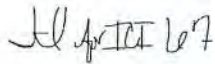
Time	Scale	Operator	Inbound	Gross	101400 lb
In 11/12/2021 13:16:25	Inbound	Janelle		Tare	42280 lb
Out 11/12/2021 13:43:43	Outbound	Janelle		Net	59120 lb
				Tons	29.56

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	29.56	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	29.56	Tons				Skagit

Total Tax/Fees
Total Ticket

Driver's Signature



The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.



Great Bend Waste Management
 191 1st St
 Wenatchee, WA 98802

Original
 Ticket# 912535
 Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 59
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	95900 lb
In 11/15/2021 13:38:20	Inbound	Janelle		Tare	40680 lb
Out 11/15/2021 14:01:14	Outbound	Janelle		Net	55220 lb
				Tons	27.61

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	27.61	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	27.61	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JL for ICI 59*

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.



Greater Wapato Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802

Original
 Ticket# 912508

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 45
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	
In 11/15/2021 11:43:14	Inbound	Janelle		89540 lb	
Out 11/15/2021 12:22:07	Outbound	Janelle		Tare 40180 lb	
				Net 49360 lb	
				Tons 24.68	

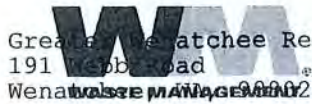
Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	24.68	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	24.68	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JL for ICI45*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Greater Wacatchee Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802

Original
 Ticket# 912531
 Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 66
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 16574w
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	99880 lb
In 11/15/2021 13:15:02	Inbound	Janelle		Tare	41980 lb
Out 11/15/2021 13:59:20	Outbound	Janelle		Net	57900 lb
				Tons	28.95


Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.95	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.95	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JL for ICI LLC*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.


 Great Wenatchee Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802
 Ph: (509) 884-2802

Original
 Ticket# 912539

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 58
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574WA
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	97020 lb
In 11/15/2021 13:55:37	Inbound	Janelle		Tare	40660 lb
Out 11/15/2021 14:14:18	Outbound	Janelle		Net	56360 lb
				Tons	28.18

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.18	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.18	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *kl for ICI 58*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Greater Wacatchee Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802

Original
 Ticket# 912532
 Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 35
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	
In 11/15/2021 13:19:01	Inbound	Janelle		99340 lb	
				Tare	40640 lb
Out 11/15/2021 14:00:19	Outbound	Janelle		Net	58700 lb
				Tons	29.35

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	29.35	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	29.35	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JL for ICI 35*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Greater Wacatchee Regional Landfill
 191 Hobbs Road
 Wenatchee, WA 98802
 Phone: (509) 884-2802

Original
 Ticket# 912523

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 54
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	96520 lb
In 11/15/2021 12:49:26	Inbound	Janelle		Tare	40460 lb
Out 11/15/2021 13:06:02	Outbound	Janelle		Net	56060 lb
				Tons	28.03

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.03	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.03	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature

Jcl for ICI 54

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Greater Wacatchee Regional Landfill
 191 Poplar Road
 Wenatchee, WA 98802

Original
 Ticket# 912509

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 65
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	99080 lb
In 11/15/2021 11:46:56	Inbound	Janelle		Tare	42640 lb
Out 11/15/2021 11:57:19	Outbound	Janelle		Net	56440 lb
				Tons	28.22

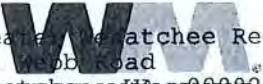
Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.22	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	28.22	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JMA 4/1/21*

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.


 Great Falls Wapinitia Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802
 Ph: (509) 884-2802

Original
 Ticket# 912502

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 53
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	103660 lb
In 11/15/2021 11:26:16	Inbound	Janelle		Tare	40580 lb
Out 11/15/2021 11:44:23	Outbound	Janelle		Net	63080 lb
				Tons	31.54

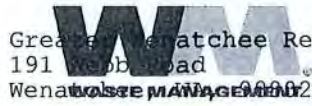
Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	31.54	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	31.54	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *JA 4 ICI*

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.



Greater Skagit Regional Landfill
 191 West Road
 Wenatchee, WA 98802

Original
 Ticket# 912516

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 67
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	102620 lb
In 11/15/2021 12:14:10	Inbound	Janelle		Tare	42160 lb
Out 11/15/2021 12:28:32	Outbound	Janelle		Net	60460 lb
				Tons	30.23

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	30.23	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	30.23	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *Jel for ICI 67*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Greater Wenatchee Regional Landfill
 191 Webb Road
 Wenatchee, WA 98802

Original
 Ticket# 912518

Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 68
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574wa
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

Time	Scale	Operator	Inbound	Gross	103840 lb
In 11/15/2021 12:26:41	Inbound	Janelle		Tare	42380 lb
Out 11/15/2021 12:42:11	Outbound	Janelle		Net	61460 lb
				Tons	30.73

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	30.73	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	30.73	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature *Jed for ICI LeB*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Great Smoky Mountains National Park
 191 Highway 62
 Wenas, WA 98849

Original
 Ticket# 912540
 Ph: (509) 884-2802

Customer Name INTERWEST CONSTRUCTION I Carrier ICI
 Ticket Date 11/15/2021 Vehicle# 38
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0508619
 Destination Grid
 Manifest 116574WA
 Profile 116574WA (LF01 Metals impacted soils)
 Generator 168-PORT OF SKAGIT PORT OF SKAGIT 2070 NORTHERN STATE RD SEDRO WOOLLEY WA 9
 PO#

	Time	Scale	Operator	Inbound	Gross	99720 lb
In	11/15/2021 13:56:42	Inbound	Janelle		Tare	40680 lb
Out	11/15/2021 14:15:10	Outbound	Janelle		Net	59040 lb
					Tons	29.52

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	29.52	Tons				Skagit
2 CDHD FEE-Chelan Douglas	100	29.52	Tons				Skagit

Total Tax/Fees
 Total Ticket

Driver's Signature

JL for ICI 38

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66876
 Ph: 206-694-0600

Customer Name	INTERWEST CONSTRUCTION INC IN	Carrier	SELF SELF	Volume	
Ticket Date	11/16/2021	Vehicle#	ICI53		
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	GARRY OLSON		
Route		Check#			
Hauling Ticket#		Billing#	0000307		
Destination		Grid			
PO#	136531OR				
	Time	Scale	Operator	Inbound	Gross
In	11/16/2021 10:15:02	Scale 1	kfunk2		95880 lb
Out	11/16/2021 10:25:52	Scale 1	kfunk2		40780 lb
					55100 lb
Comments	ICI-KF				Tons
					27.55

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.55	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.55	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

GO



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66881
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/16/2021 Vehicle# ICI45 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JEFFERY ECHOLS
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In Time Scale Operator Inbound Gross 101240 lb
 11/16/2021 10:47:53 Scale 1 kfunk2 Tare 41800 lb
 Out 11/16/2021 10:59:50 Scale 1 kfunk2 Net 59440 lb
 Tons 29.72
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.72	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.72	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66877
 Ph: 206-694-0600

Customer Name	INTERWEST CONSTRUCTION INC IN	Carrier	SELF SELF	Volume	
Ticket Date	11/16/2021	Vehicle#	ICI58		
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	SHIP FRANKLAND		
Route		Check#			
Hauling Ticket#		Billing#	0000307		
Destination		Grid			
PO#	136531OR				
	Time	Scale	Operator	Inbound	Gross
In	11/16/2021 10:19:09	Scale 1	kfunk2		101140 lb
Out	11/16/2021 10:29:24	Scale 1	kfunk2		Tare 40860 lb
					Net 60280 lb
					Tons 30.14
Comments	ICI-KF				

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	30.14	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	30.14	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

SF



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66880
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/16/2021 Vehicle# ICI59 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JAMES LINDSEY
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	
In	11/16/2021 10:39:22	Scale 1	kfunk2		95260 lb	
Out	11/16/2021 10:56:53	Scale 1	kfunk2		40560 lb	
					Net	54700 lb
					Tons	27.35

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.35	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.35	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



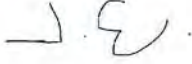
8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66879
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/16/2021 Vehicle# ICI38 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON ENGBAUM
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 Time Scale Operator Inbound Gross 99080 lb
 In 11/16/2021 10:37:28 Scale 1 kfunk2 Tare 40680 lb
 Out 11/16/2021 10:53:32 Scale 1 kfunk2 Net 58400 lb
 Tons 29.20
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.20	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.20	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature 



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66871
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/16/2021 Vehicle# ICI66 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver KYLE SWEET
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	96900 lb
In	11/16/2021 09:43:54	Scale 1	kfunk2		Tare	42220 lb
Out	11/16/2021 09:54:59	Scale 1	kfunk2		Net	54680 lb
					Tons	27.34

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.34	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.34	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

KS



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66942
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI66 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver KYLE SWEET
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	101140 lb
In	11/17/2021 13:32:37	Scale 1	kfunk2		Tare	42220 lb
Out	11/17/2021 13:32:37		kfunk2		Net	58920 lb
					Tons	29.46

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.46	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.46	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

K.S.



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66906
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI66 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver KYLE SWEET
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	103120 lb
In	11/17/2021 07:08:51	Scale 1	kfunk2		Tare	42220 lb
Out	11/17/2021 07:08:51		kfunk2		Net	60900 lb
					Tons	30.45

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	30.45	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	30.45	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

KS



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66908
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI58 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SHIP FRANKLAND
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In 11/17/2021 07:12:29 Time Scale Operator Inbound Gross 99260 lb
 Out 11/17/2021 07:12:29 Scale 1 kfunk2 Tare 40860 lb
 kfunk2 Net 58400 lb
 Comments ICI-KF Tons 29.20

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.20	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.20	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

SF

299 1000



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66950
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI58 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SHIP FRANKLAND
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

In	11/17/2021 14:39:46	Scale 1	Operator kfunk2	Inbound	Gross	100380 lb
Out	11/17/2021 14:39:46		Operator kfunk2		Tare	40860 lb
					Net	59520 lb
					Tons	29.76

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.76	Tons				
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.76	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

SX



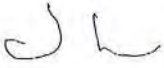
8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66910
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI59 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JAMES LINDSEY
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 Time Scale Operator Inbound Gross 99340 lb
 In 11/17/2021 07:23:20 Scale 1 kfunk2 Tare 40560 lb
 Out 11/17/2021 07:23:20 kfunk2 Net 58780 lb
 Tons 29.39
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.39	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.39	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature 



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66951
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI59 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JAMES LINDSEY
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In Time 11/17/2021 14:41:25 Scale Operator Inbound Gross 102840 lb
 Out 11/17/2021 14:41:25 Scale 1 kfunk2 Tare 40560 lb
 kfunk2 Net 62280 lb
 Tons 31.14
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	31.14	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	31.14	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



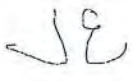
8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66944
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI38 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON ENGBAUM
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 1365310R Operator Inbound Gross 103380 lb
 Time Scale 40680 lb
 In 11/17/2021 13:39:27 Scale 1 kfunk2 Net 62700 lb
 Out 11/17/2021 13:39:27 kfunk2 Tons 31.35
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	31.35	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	31.35	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature 



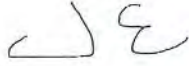
8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66907
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI38 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON ENGBAUM
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 Time Scale Operator Inbound Gross 99960 lb
 In 11/17/2021 07:10:48 Scale 1 kfunk2 Tare 40680 lb
 Out 11/17/2021 07:10:48 kfunk2 Net 59280 lb
 Tons 29.64
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.64	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.64	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature 



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66909
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI45
 Payment Type Credit Account Container
 Manual Ticket# Driver JEFFERY ECHOLS
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In 11/17/2021 07:21:29 Scale Operator Inbound Gross
 Out 11/17/2021 07:21:29 Scale 1 kfunk2 Tare 100720 lb
 Comments ICI-KF kfunk2 Net 41800 lb
 Tons 58920 lb
 29.46

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.46	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.46	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66946
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI53 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GARRY OLSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 Time Scale Operator Inbound Gross
 In 11/17/2021 13:55:18 Scale 1 kfunk2 kfunk2 Tare 99980 lb
 Out 11/17/2021 13:55:18 kfunk2 Net 40780 lb
 Comments ICI-KF Tons 59200 lb
 Tons 29.60

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.60	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.60	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66913
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/17/2021 Vehicle# ICI53 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GARRY OLSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 Time Scale Operator Inbound Gross 97180 lb
 In 11/17/2021 08:06:59 Scale 1 kfunk2 Tare 40780 lb
 Out 11/17/2021 08:06:59 kfunk2 Net 56400 lb
 Comments ICI-KF Tons 28.20

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	28.20	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	28.20	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature *GO*



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66984
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/18/2021 Vehicle# ICI38 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON ENGBAUM
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In Time 11/18/2021 10:47:42 Scale 1 Operator Inbound Gross 97900 lb
 Out 11/18/2021 10:47:42 Scale 1 kfunk2 Tare 40680 lb
 kfunk2 Net 57220 lb
 Tons 28.61
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	28.61	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	28.61	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66983
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/18/2021 Vehicle# ICI66 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver KYLE SWEET
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 1365310R

	Time	Scale	Operator	Inbound	Gross	99400 lb
In	11/18/2021 10:46:26	Scale 1	kfunk2		Tare	42220 lb
Out	11/18/2021 10:46:26		kfunk2		Net	57180 lb
					Tons	28.59

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	28.59	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	28.59	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

KS



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66976
 Ph: 206-694-0600

Customer Name	INTERWEST CONSTRUCTION INC IN	Carrier	SELF SELF	Volume	
Ticket Date	11/18/2021	Vehicle#	ICI58		
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	SHIP FRANKLAND		
Route		Check#			
Hauling Ticket#		Billing#	0000307		
Destination		Grid			
PO#	1365310R				
	Time	Scale	Operator	Inbound	Gross
In	11/18/2021 09:51:23	Scale 1	kfunk2		102460 lb
Out	11/18/2021 09:51:23		kfunk2		Tare 40860 lb
					Net 61600 lb
					Tons 30.80

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	30.80	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	30.80	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

SI



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66974
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/18/2021 Vehicle# ICI43 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON RYNER
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	104400 lb
In	11/18/2021 09:47:23	Scale 1	kfunk2		Tare	40760 lb
Out	11/18/2021 09:56:08	Scale 1	kfunk2		Net	63640 lb
					Tons	31.82

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	31.82	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	31.82	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66977
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/18/2021 Vehicle# ICI53 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GARRY OLSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	102000 lb
In	11/18/2021 09:59:14	Scale 1	kfunk2		Tare	40780 lb
Out	11/18/2021 09:59:14		kfunk2		Net	61220 lb
					Tons	30.61

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	30.61	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				
3 GOND TON-GONDOLA PER TON	100	30.61	Tons				

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 66975
 Ph: 206-694-0600

Customer Name	INTERWEST CONSTRUCTION INC IN	Carrier	SELF SELF			
Ticket Date	11/18/2021	Vehicle#	ICI59		Volume	
Payment Type	Credit Account	Container				
Manual Ticket#		Driver	JAMES LINDSEY			
Route		Check#				
Hauling Ticket#		Billing#	0000307			
Destination		Grid				
PO#	136531OR					
	Time	Scale	Operator	Inbound	Gross	102420 lb
In	11/18/2021 09:48:51	Scale 1	kfunk2		Tare	40560 lb
Out	11/18/2021 09:48:51		kfunk2		Net	61860 lb
					Tons	30.93
Comments	ICI-KF					

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	30.93	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	30.93	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67036
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI38 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON ENGBAUM
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

In	11/19/2021 12:00:15	Scale	Operator	Inbound	Gross	92880 lb
Out	11/19/2021 12:00:15	Scale 1	kfunk2		Tare	40680 lb
			kfunk2		Net	52200 lb
					Tons	26.10

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.10	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	26.10	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67028
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI38 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JASON ENGBAUM
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 1365310R

In	11/19/2021 07:53:39	Scale	Operator	Inbound	Gross	94500 lb
Out	11/19/2021 07:53:39	Scale 1	kfunk2		Tare	40680 lb
			kfunk2		Net	53820 lb
					Tons	26.91

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.91	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	26.91	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67026
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI59 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JAMES LINDSEY
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid

	Time	Scale	Operator	Inbound	Gross	92760 lb
In	11/19/2021 07:26:30	Scale 1	kfunk2		Tare	40560 lb
Out	11/19/2021 07:26:30		kfunk2		Net	52200 lb
					Tons	26.10

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.10	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				
3 GOND TON-GONDOLA PER TON	100	26.10	Tons				

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67034
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI59 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JAMES LINDSEY
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In 11/19/2021 11:53:29 Scale 1 Operator Inbound Gross 88880 lb
 Out 11/19/2021 11:53:29 Scale 1 kfunk2 Tare 40560 lb
 kfunk2 Net 48320 lb
 Tons 24.16
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	24.16	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				
3 GOND TON-GONDOLA PER TON	100	24.16	Tons				

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67029
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI67 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SHANE ANDERSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Inbound	Gross	95500 lb
In 11/19/2021 09:21:51 Scale 1	Operator kfunk2	Tare	42440 lb
Out 11/19/2021 09:31:04 Scale 1	Operator kfunk2	Net	53060 lb
		Tons	26.53

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.53	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	26.53	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

SA



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67041
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI67 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SHANE ANDERSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 1365310R

In	11/19/2021 13:36:22	Scale	Operator	Inbound	Gross	101360 lb
Out	11/19/2021 13:36:22	Scale 1	kfunk2		Tare	42440 lb
			kfunk2		Net	58920 lb
					Tons	29.46

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.46	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.46	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67031
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI37 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver BRANDON STALNAKER
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Inbound	Gross	99300 lb
In 11/19/2021 09:51:04 Scale 1	Operator kfunk2	Tare	41020 lb
Out 11/19/2021 10:05:06 Scale 1	Operator kfunk2	Net	58280 lb
		Tons	29.14

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	29.14	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	29.14	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67038
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI45 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JEFFERY ECHOLS
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In Time Scale Operator Inbound Gross 97180 lb
 11/19/2021 12:39:56 Scale 1 kfunk2 Tare 41800 lb
 Out 11/19/2021 12:39:56 kfunk2 Net 55380 lb
 Comments ICI-KF Tons 27.69

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.69	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				
3 GOND TON-GONDOLA PER TON	100	27.69	Tons				

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 67025
Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI43 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JEFF ECHOLS
 Route Check#
 Hauling Ticket# Billing# 0000307 Grid
 Destination
 PO# 136531OR Inbound Gross 96020 lb
 Time Scale Operator kfunk2 Tare 40760 lb
 In 11/19/2021 07:24:08 Scale 1 kfunk2 Net 55260 lb
 Out 11/19/2021 07:24:08 Tons 27.63
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.63	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.63	Tons				SKAGIT

Total Tax
Total Ticket

Driver's Signature



8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 67024
Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI58 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SHIP FRANKLAND
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 In Time Scale Operator Inbound Gross 93720 lb
 11/19/2021 07:12:53 Scale 1 kfunk2 Tare 40860 lb
 Out 11/19/2021 07:12:53 kfunk2 Net 52860 lb
 Tons 26.43
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.43	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	26.43	Tons				SKAGIT

Total Tax
Total Ticket

Driver's Signature

SF



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67037
 Ph: 206-694-0600

Customer Name	INTERWEST CONSTRUCTION INC IN	Carrier	SELF SELF	Volume
Ticket Date	11/19/2021	Vehicle#	ICI58	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	SHIP FRANKLAND	
Route		Check#		
Hauling Ticket#		Billing#	0000307	
Destination		Grid		
PO#	136531OR			
In	11/19/2021 12:04:34	Operator		Inbound
Out	11/19/2021 12:04:34	kfunk2		Gross
		kfunk2		Tare
				Net
				Tons

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	28.36	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	28.36	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 67033
Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN
Ticket Date 11/19/2021
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 136531OR
In Time 11/19/2021 11:12:39
Out Time 11/19/2021 11:12:39
Comments ICI-KF

Carrier SELF
Vehicle# SELF
Container ICI66
Driver KYLE SWEET
Check#
Billing# 0000307
Grid

Volume

Operator	Inbound	Gross	96580 lb
kfunk2		Tare	42220 lb
kfunk2		Net	54360 lb
		Tons	27.18

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.18	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		\$				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.18	Tons				SKAGIT

Total Tax
Total Ticket

Driver's Signature

KS



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67023
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI66 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver KYLE SWEET
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR
 Time Scale Operator Inbound Gross 91460 lb
 In 11/19/2021 07:05:02 Scale 1 kfunk2 Tare 42220 lb
 Out 11/19/2021 07:05:02 kfunk2 Net 49240 lb
 Tons 24.62
 Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	24.62	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	24.62	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

KS



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67040
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI65 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SHANNON FORD
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

In	Time	Scale	Operator	Inbound	Gross	96680 lb
11/19/2021	13:34:53	Scale 1	kfunk2		Tare	42340 lb
Out	11/19/2021	13:34:53	kfunk2		Net	54340 lb
					Tons	27.17

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.17	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.17	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 67030
Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
Ticket Date 11/19/2021 Vehicle# ICI65 Volume
Payment Type Credit Account Container
Manual Ticket# Driver SHANNON FORD
Route Check#
Hauling Ticket# Billing# 0000307
Destination Grid
PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	Volume
In	11/19/2021 09:26:35	Scale 1	kfunk2		Tare	42340 lb
Out	11/19/2021 09:33:02	Scale 1	kfunk2		Net	53680 lb
					Tons	26.84

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.84	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	26.84	Tons				SKAGIT

Total Tax
Total Ticket

Driver's Signature

SF



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67022
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI53 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GARRY OLSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	Volume
In	11/19/2021 07:02:21	Scale 1	kfunk2		Tare	40780 lb
Out	11/19/2021 07:02:21		kfunk2		Net	54440 lb
					Tons	27.22

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	27.22	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	27.22	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67032
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/19/2021 Vehicle# ICI53 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver GARRY OLSON
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

	Time	Scale	Operator	Inbound	Gross	94300 lb
In	11/19/2021 10:50:53	Scale 1	kfunk2		Tare	40780 lb
Out	11/19/2021 10:50:53		kfunk2		Net	53520 lb
					Tons	26.76

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	26.76	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				
3 GOND TON-GONDOLA PER TON	100	26.76	Tons				

Total Tax
 Total Ticket

Driver's Signature

GD



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67072
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/22/2021 Vehicle# ICI66 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver KYLE SWEET
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR

		Scale	Operator	Inbound	Gross	78880 lb
In	11/22/2021 11:08:43	Scale 1	kfunk2		Tare	42220 lb
Out	11/22/2021 11:08:43		kfunk2		Net	36660 lb
					Tons	18.33

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	18.33	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	18.33	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

KWS



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67097
 Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/22/2021 Vehicle# ICI54 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver SPRIP FRANKLAND
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 1365310R Operator Inbound Gross 83700 lb
 In Time 11/22/2021 13:02:55 Scale 1 kfunk2 Tare 40640 lb
 Out 11/22/2021 13:21:09 Scale 1 kfunk2 Net 43060 lb
 Tons 21.53

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	21.53	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	21.53	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

SP



8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 67094
Ph: 206-694-0600

Customer Name INTERWEST CONSTRUCTION INC IN Carrier SELF SELF
 Ticket Date 11/22/2021 Vehicle# ICI43 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver JEFF ECHOLS
 Route Check#
 Hauling Ticket# Billing# 0000307
 Destination Grid
 PO# 136531OR Operator Inbound Gross 85960 lb
 In Time 11/22/2021 12:56:32 Scale 1 Operator kfunk2 Tare 40760 lb
 Out 11/22/2021 12:56:32 Scale 1 kfunk2 Net 45200 lb
 Tons 22.60

Comments ICI-KF

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	22.60	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	22.60	Tons				SKAGIT

Total Tax
Total Ticket

Driver's Signature



8th Ave Reload
 7400 8th Ave S
 Seattle, WA, 98108

Original
 Ticket# 67073
 Ph: 206-694-0600

Customer Name	INTERWEST CONSTRUCTION INC IN	Carrier	SELF SELF	Volume	
Ticket Date	11/22/2021	Vehicle#	ICI59		
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	JAMES LINDSEY		
Route		Check#			
Hauling Ticket#		Billing#	0000307		
Destination		Grid			
PO#	1365310R				
In	Time 11/22/2021 11:10:01	Scale	Operator	Inbound	Gross
Out	11/22/2021 11:10:01	Scale 1	kfunk2		Tare
			kfunk2		Net
					Tons
Comments	ICI-KF				

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Sp. W.-Tons-Un	100	16.90	Tons				SKAGIT
2 EVF-P6-Environmental Fee	100		%				SKAGIT
3 GOND TON-GONDOLA PER TON	100	16.90	Tons				SKAGIT

Total Tax
 Total Ticket

Driver's Signature

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103421
Date: 11/01/2021 3:02 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.59 tn				
Gross:	77,360	Tare:	32,180	Net:	45,180

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103407
Date: 11/01/2021 2:15 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.26 tn				
Gross:	78,700	Tare:	32,180	Net:	46,520

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103399
Date: 11/01/2021 1:28 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	20.62 tn				
	Gross: 73,420	Tare: 32,180	Net: 41,240		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103390
Date: 11/01/2021 12:25 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	19.02 tn				
	Gross: 70,220	Tare: 32,180	Net: 38,040		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103381
Date: 11/01/2021 11:00 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0352 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	25.51 tn				
	Gross: 94,080	Tare: 43,060	Net: 51,020		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103422
Date: 11/01/2021 3:13 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.24 tn				
	Gross: 76,880	Tare: 32,400	Net: 44,480		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103409
Date: 11/01/2021 2:22 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.34 tn				
	Gross: 77,080	Tare: 32,400	Net: 44,680		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103401
Date: 11/01/2021 1:34 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.05 tn				
	Gross: 74,500	Tare: 32,400	Net: 42,100		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103393
Date: 11/01/2021 12:33 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	20.87 tn				
	Gross: 74,140	Tare: 32,400	Net: 41,740		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103382
Date: 11/01/2021 11:02 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0315 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	25 tn				
	Gross: 93,300	Tare: 43,300	Net: 50,000		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103383
Date: 11/01/2021 11:37 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0315 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	27.86 tn				
	Gross: 99,020	Tare: 43,300	Net: 55,720		

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103439

Date: 11/02/2021 8:07 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.11 tn				
Gross:	62,480	Tare:	28,260	Net:	34,220

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103428

Date: 11/02/2021 7:06 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323

Former Norther State Port of
Skagit

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.51 tn				
Gross:	61,280	Tare:	28,260	Net:	33,020

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103426
Date: 11/02/2021 6:58 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0368 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.77 tn				
	Gross: 62,080	Tare: 28,540	Net: 33,540		

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103437

Date: 11/02/2021 8:00 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0368 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	15.99 tn				
Gross:	60,520	Tare:	28,540	Net:	31,980

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103450

Date: 11/02/2021 8:42 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0368 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.57 tn				
Gross:	63,680	Tare:	28,540	Net:	35,140

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103460
Date: 11/02/2021 9:37 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0368 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	15.97 tn				
Gross:	60,480	Tare:	28,540	Net:	31,940

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103469

Date: 11/02/2021 10:23 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323

Former Norther State Port of
Skagit

Truck: 0368 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.56 tn				
Gross:	61,660	Tare:	28,540	Net:	33,120

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103478

Date: 11/02/2021 11:14 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0368 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.37 tn				
	Gross: 61,280	Tare: 28,540	Net: 32,740		

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103441

Date: 11/02/2021 8:11 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.1 tn				
Gross:	62,420	Tare:	28,220	Net:	34,200

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103429

Date: 11/02/2021 7:10 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	15.88 tn				
Gross:	59,980	Tare:	28,220	Net:	31,760

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103438
Date: 11/02/2021 8:05 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	20.81 tn				
	Gross: 73,800	Tare: 32,180	Net: 41,620		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103427
Date: 11/02/2021 7:03 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	20.3 tn				
	Gross: 72,780	Tare: 32,180	Net: 40,600		

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103453

Date: 11/02/2021 8:49 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.16 tn				
	Gross: 74,500	Tare: 32,180	Net: 42,320		

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103459

Date: 11/02/2021 9:33 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.06 tn				
	Gross: 76,300	Tare: 32,180	Net: 44,120		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103468
Date: 11/02/2021 10:18 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.9 tn				
	Gross: 79,980	Tare: 32,180	Net: 47,800		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103475
Date: 11/02/2021 11:02 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.08 tn				
	Gross: 76,340	Tare: 32,180	Net: 44,160		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103484
Date: 11/02/2021 12:00 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.25 tn				
	Gross: 76,680	Tare: 32,180	Net: 44,500		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103492
Date: 11/02/2021 12:47 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks:

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.15 tn				
	Gross: 74,480	Tare: 32,180	Net: 42,300		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103499
Date: 11/02/2021 1:33 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.31 tn				
	Gross: 76,800	Tare: 32,180	Net: 44,620		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103504
Date: 11/02/2021 2:17 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.32 tn				
	Gross: 76,820	Tare: 32,180	Net: 44,640		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103430
Date: 11/02/2021 7:17 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.53 tn				
	Gross: 75,700	Tare: 32,640	Net: 43,060		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103443
Date: 11/02/2021 8:16 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22 tn				
	Gross: 76,400	Tare: 32,400	Net: 44,000		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103455
Date: 11/02/2021 9:00 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	20.77 tn				
	Gross: 73,940	Tare: 32,400	Net: 41,540		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103464
Date: 11/02/2021 9:55 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.54 tn				
	Gross: 79,480	Tare: 32,400	Net: 47,080		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103470
Date: 11/02/2021 10:40 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.25 tn				
	Gross: 74,900	Tare: 32,400	Net: 42,500		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103483
Date: 11/02/2021 11:42 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.45 tn				
	Gross: 81,300	Tare: 32,400	Net: 48,900		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103490
Date: 11/02/2021 12:35 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.5 tn				
	Gross:	79,400	Tare:	32,400	Net: 47,000

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103498
Date: 11/02/2021 1:26 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.23 tn				
	Gross:	78,860	Tare:	32,400	Net: 46,460

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103502
Date: 11/02/2021 2:14 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.97 tn				
	Gross: 80,340	Tare: 32,400	Net: 47,940		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103472
Date: 11/02/2021 10:48 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0354 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17 tn				
	Gross: 61,920	Tare: 27,920	Net: 34,000		

North Hill Resources- Yard651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103466

Date: 11/02/2021 9:57 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0354 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.96 tn				
Gross:	61,840	Tare:	27,920	Net:	33,920

North Hill Resources- Yard651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103456

Date: 11/02/2021 9:04 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0354 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.52 tn				
Gross:	62,960	Tare:	27,920	Net:	35,040

North Hill Resources- Yard
651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103445
Date: 11/02/2021 8:18 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0354 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.05 tn				
	Gross: 60,020	Tare: 27,920	Net: 32,100		

North Hill Resources- Yard
651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103431
Date: 11/02/2021 7:21 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0342 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	18.62 tn				
	Gross: 65,160	Tare: 27,920	Net: 37,240		

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103532

Date: 11/03/2021 9:42 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks:

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.37 tn				
Gross:	80,920	Tare:	32,180	Net:	48,740

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103542

Date: 11/03/2021 10:33 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.3 tn				
Gross:	78,780	Tare:	32,180	Net:	46,600

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103560
Date: 11/03/2021 11:44 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0367 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.62 tn				
	Gross: 61,640	Tare: 28,400	Net: 33,240		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103548
Date: 11/03/2021 10:51 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0367 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.56 tn				
	Gross: 61,520	Tare: 28,400	Net: 33,120		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103514
Date: 11/03/2021 7:19 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	26.3 tn				
	Gross: 85,000	Tare: 32,400	Net: 52,600		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103528
Date: 11/03/2021 8:59 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	19.5 tn				
	Gross: 71,400	Tare: 32,400	Net: 39,000		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103536
Date: 11/03/2021 9:52 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.08 tn				
	Gross: 80,560	Tare: 32,400	Net: 48,160		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103546
Date: 11/03/2021 10:48 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.57 tn				
	Gross: 79,540	Tare: 32,400	Net: 47,140		

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103558
 Date: 11/03/2021 11:39 AM
 Phone: (360) 757-1866
 Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI
 Order Number: 1323
 Former Norther State Port of Skagit

Truck: 0355 - Super Solo
 WeighMaster: ANA - Ana Ayala
 Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.19 tn				
	Gross: 80,780	Tare: 32,400	Net: 48,380		

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103561
 Date: 11/03/2021 12:24 PM
 Phone: (360) 757-1866
 Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI
 Order Number: 1323
 Former Norther State Port of Skagit

Truck: 0355 - Super Solo
 WeighMaster: ANA - Ana Ayala
 Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.53 tn				
	Gross: 77,460	Tare: 32,400	Net: 45,060		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103566
Date: 11/03/2021 1:15 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.55 tn				
Gross:	79,500	Tare:	32,400	Net:	47,100

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103572
Date: 11/03/2021 2:11 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.95 tn				
Gross:	80,300	Tare:	32,400	Net:	47,900

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103578
Date: 11/03/2021 3:01 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323
Former Norther State Port of Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.35 tn				
	Gross:	77,100	Tare:	32,400	Net: 44,700

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103756
 Date: 11/08/2021 2:42 PM
 Phone: (360) 757-1866
 Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI
 Order Number: 1323 Former Norther State Port of
 Skagit

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.03 tn				
	Gross: 60,360	Tare: 28,300	Net: 32,060		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103735

Date: 11/08/2021 12:55 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323

Former Norther State Port of
Skagit

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.02 tn				
Gross:	62,340	Tare:	28,300	Net:	34,040

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103729

Date: 11/08/2021 12:05 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1223 ~~FDA Waterline Bothell~~

1332

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.98 tn				
Gross:	62,260	Tare:	28,300	Net:	33,960

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103718

Date: 11/08/2021 11:20 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1223

FDA Waterline Bothell

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.04 tn				
Gross:	62,380	Tare:	28,300	Net:	34,080

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103746

Date: 11/08/2021 1:46 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0358 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.72 tn				
Gross:	61,740	Tare:	28,300	Net:	33,440

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103749

Date: 11/08/2021 1:57 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0367 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.67 tn				
Gross:	63,340	Tare:	28,000	Net:	35,340

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103757
Date: 11/08/2021 2:50 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0367 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.91 tn				
	Gross: 61,820	Tare: 28,000	Net: 33,820		

North Hill Resources

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103720

Date: 11/08/2021 11:26 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Northern State Port of

Truck: 0367 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.22 tn				
Gross:	62,440	Tare:	28,000	Net:	34,440

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103732

Date: 11/08/2021 12:19 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0367 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.18 tn				
Gross:	62,360	Tare:	28,000	Net:	34,360

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103737

Date: 11/08/2021 1:04 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0367 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.84 tn				
	Gross:	63,680	Tare:	28,000	Net: 35,680

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103745

Date: 11/08/2021 1:42 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0355 - Super Solo

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.76 tn				
Gross:	75,920	Tare:	32,400	Net:	43,520

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103743

Date: 11/08/2021 1:40 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.35 tn				
Gross:	76,300	Tare:	31,600	Net:	44,700

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 103754

Date: 11/08/2021 2:33 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	22.79 tn				
Gross:	77,180	Tare:	31,600	Net:	45,580

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103755
Date: 11/08/2021 2:35 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0355 - Super Solo
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.15 tn				
	Gross: 74,700	Tare: 32,400	Net: 42,300		

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103758
 Date: 11/08/2021 2:54 PM
 Phone: (360) 757-1866
 Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI
 Order Number: 1323 Former Norther State Port of
 Skagit

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature: _____

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103750
Date: 11/08/2021 2:02 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	16.5 tn				
	Gross: 61,080	Tare: 28,080	Net: 33,000		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103739

Date: 11/08/2021 1:14 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	18.05 tn				
Gross:	64,180	Tare:	28,080	Net:	36,100

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103733

Date: 11/08/2021 12:21 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.15 tn				
Gross:	62,380	Tare:	28,080	Net:	34,300

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 103722

Date: 11/08/2021 11:29 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.21 tn				
Gross:	62,500	Tare:	28,080	Net:	34,420

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 103706

Date: 11/08/2021 10:45 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0359 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.1 tn				
Gross:	62,280	Tare:	28,080	Net:	34,200

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 104230

Date: 11/22/2021 11:22 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

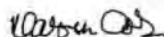
Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:



Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.78 tn				
Gross:	81,340	Tare:	31,780	Net:	49,560

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 104236

Date: 11/22/2021 12:10 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

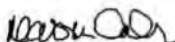
Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:



North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 104240

Date: 11/22/2021 12:55 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	25.1 tn				
Gross:	81,980	Tare:	31,780	Net:	50,200

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 104249

Date: 11/22/2021 1:49 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

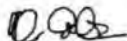
Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:



Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.67 tn				
Gross:	81,120	Tare:	31,780	Net:	49,340

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 104256
Date: 11/22/2021 2:40 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	24.1 tn				
	Gross: 79,980	Tare: 31,780	Net: 48,200		

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 104260

Date: 11/22/2021 3:32 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.74 tn				
Gross:	79,260	Tare:	31,780	Net:	47,480

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 104254
Date: 11/22/2021 2:28 PM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1285 Mt Vernon HS Old Main

Truck: 0342 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature: _____

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
Dumped Concrete/Asphalt	12.45 tn				
Gross:	51,600	Tare:	26,700	Net:	24,900

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 104279

Date: 11/23/2021 9:41 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0342 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
Dumped Concrete/Asphalt	2.82 tn				
Gross:	32,340	Tare:	26,700	Net:	5,640

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116392
Date: 07/22/2022 7:11 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	23.05 tn				
Gross:	77,860	Tare:	31,760	Net:	46,100

North Hill Resources- Yard
651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116412
Date: 07/22/2022 9:02 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0371 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	20.25 tn				
Gross:	72,260	Tare:	31,760	Net:	40,500

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116419
Date: 07/22/2022 9:50 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: 1

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	17.71 tn				
Gross:	67,180	Tare:	31,760	Net:	35,420

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116439
Date: 07/22/2022 11:25 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	12.56 tn				
Gross:	56,880	Tare:	31,760	Net:	25,120

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 116434

Date: 07/22/2022 10:37 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 0370 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	21.64 tn				
Gross:	75,040	Tare:	31,760	Net:	43,280

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116404
Date: 07/22/2022 8:09 AM
Phone: (360) 757-1866
Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI
Order Number: 1323 Former Norther State Port of
Skagit

Truck: 0370 -
WeighMaster: ANA - Ana Ayala
Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	19.72 tn				
Gross:	71,200	Tare:	31,760	Net:	39,440

North Hill Resources- Yard

651 North Hill Boulevard

Burlington WA, 98233

Ticket #: 116606

Date: 07/25/2022 3:29 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc

609 N Hill Blvd

Burlington WA, 98233

Customer: ICI

Order Number: 1323

Skagit

Former Norther State Port of

Truck: 03-35 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	15.02 tn				
Gross:	56,020	Tare:	25,980	Net:	30,040

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 116595

Date: 07/25/2022 2:37 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 03-35 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	14.66 tn				
Gross:	55,300	Tare:	25,980	Net:	29,320

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 116547
 Date: 07/25/2022 8:24 AM
 Phone: (360) 757-1866
 Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI
 Order Number: 1323
 Former Norther State Port of Skagit

Truck: 0335 -
 WeighMaster: ANA - Ana Ayala
 Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	14.2 tn				
Gross:	54,400	Tare:	26,000	Net:	28,400

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116552

Date: 07/25/2022 9:16 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0342 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	14.22 tn				
Gross:	54,440	Tare:	26,000	Net:	28,440

North Hill Resources- Yard

651 North Hill Boulevard
Burlington WA, 98233

Ticket #: 116559

Date: 07/25/2022 10:29 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
609 N Hill Blvd
Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0335 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	14.2 tn				
Gross:	54,400	Tare:	26,000	Net:	28,400

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 116587

Date: 07/25/2022 11:58 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0335 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	14.25 tn				
Gross:	54,500	Tare:	26,000	Net:	28,500

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 116586

Date: 07/25/2022 12:56 PM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
Skagit

Former Norther State Port of

Truck: 0335 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	14.27 tn				
Gross:	54,540	Tare:	26,000	Net:	28,540

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 116631

Date: 07/26/2022 8:29 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0313 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	27.74 tn				
Gross:	98,480	Tare:	43,000	Net:	55,480

North Hill Resources- Yard

651 North Hill Boulevard
 Burlington WA, 98233

Ticket #: 116646

Date: 07/26/2022 9:41 AM

Phone: (360) 757-1866

Email: info@northhillresources.com

Interwest Construction Inc
 609 N Hill Blvd
 Burlington WA, 98233

Customer: ICI

Order Number: 1323
 Skagit

Former Norther State Port of

Truck: 0313 -

WeighMaster: ANA - Ana Ayala

Remarks: Thank you for your business!

Signature:

Material	Quantity	Price	Material \$	Tax \$	Line Total \$
SPECIALTY MIX	26.02 tn				
Gross:	95,040	Tare:	43,000	Net:	52,040