BGES, INC.

ENVIRONMENTAL CONSULTANTS

HOMER HERC BUILDINGS
450 STERLING HIGHWAY
HOMER, ALASKA

ANALYSIS OF BROWNFIELD CLEANUP ALTERNATIVES

SEPTEMBER 2025

Submitted to: Flannery Ballard, Brownfields Program Specialist
Division of Spill Prevention & Response, Contaminated Sites Program
Alaska Department of Environmental Conservation
410 Willoughby Avenue #303
Juneau, Alaska 99801

Submitted by: BGES, INC.
1042 East 6th Avenue
Anchorage, Alaska 99501
(907) 644-2900

WWW.BGESINC.COM

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ACRONYMS

AAC	-	Alaska Administrative Code
ABCA	-	Analysis of Brownfield Cleanup Alternatives
ACBM	-	Asbestos-Containing Building Materials
ACM	-	Asbestos-Containing Materials
ADEC	-	Alaska Department of Environmental Conservation
AHERA	-	Asbestos Hazard Emergency Response Act
BGES	-	Braunstein Geological and Environmental Services
CFR	-	Code of Federal Regulations
cm2	-	Square Centimeter
DBAC	-	ADEC Brownfield Assessment and Cleanup
EMSL	-	EMSL Analytical, Inc.
EPA	-	Environmental Protection Agency
F/cc	-	Fiber per Cubic Centimeter
GPS	-	Global Positioning System
HBM	-	Hazardous Building Materials
HBMI	-	Hazardous Building Materials Inventory
HERC	-	Homer Education and Recreation Center
HTRW	-	HTRW, LLC
HUD	-	U.S. Department of Housing and Urban Development
KPB	-	Kenai Peninsula Borough
LBP	-	Lead-Based Paint
MDL	-	Method Detection Limit
Metiri	-	APPL, a Metiri Group Laboratory
mg/cm^2	-	Milligram per Square Centimeter
mg/Kg	-	Milligram per Kilogram
mg/L	-	Milligrams per Liter
µg/L	-	Micrograms per Liter
MS	-	Matrix Spike
MSD	-	Matrix Spike Duplicate
NESHAP	-	National Emissions Standard for Hazardous Air Pollutants
OSHA	-	Occupational Safety and Health Administration
PCB	-	Polychlorinated Biphenyls
PEL	-	Permissible Exposure Limit
PPE	-	Personal Protective Equipment
ppm	-	Parts Per Million
PQL	-	Practical Quantitation Limit
QC	-	Quality Control
QEP	-	Qualified Environmental Professional
RRP	-	Renovation, Repair, and Painting
RACM	-	Regulated Asbestos-Containing Materials
RCRA	-	Resource Conservation and Recovery Act
TCLP	-	Toxicity Characteristic Leaching Procedure
TSCA	-	Toxic Substances Control Act
TSI	-	Thermal System Insulation
XRF	-	X-Ray Fluorescence

1.0 BACKGROUND

BGES, Inc. (BGES) was retained by Flannery Ballard, Environmental Program Specialist of the Alaska Department of Environmental Conservation (ADEC), to conduct an Analysis of Brownfields Cleanup Alternatives (ABCA) of the Homer Education and Recreation Center (HERC) buildings in Homer, Alaska; hereafter referred to as the subject property (Figure 1).

1.a Site Location

The legal description of the subject property is listed by the Kenai Peninsula Borough (KPB) Property Information database as "T 6S R 13W SEC 19 SEWARD MERIDIAN HM 2000022 HOMER SCHOOL SURVEY 1999 CITY ADDN TRACT 2". The subject property is located at 450 Sterling Highway, to the northwest of the intersection of Sterling Highway and West Pioneer Avenue in the southern portion of Homer, Alaska; and is approximately 4.3 acres in size. Two buildings are present on the subject property (Figure 2).

1.b Previous Site Use(s) and Previous Cleanup/Remediation

According to the ADEC Brownfields Assessment and Cleanup (DBAC) Application, the City of Homer purchased the HERC Buildings (HERC 1 and HERC 2) in July of 2000 from the KPB, which had previously used them as a school. The buildings were constructed in the 1950s, before statehood, when construction with hazardous building materials (HBMs) was commonplace. HERC 1 is a mixed office space and community gym, and HERC 2 is abandoned due to environmental concerns.

HBMI assessments were conducted in 2020 and again in 2023 and HBMs were identified such as asbestos-containing building materials (ACBMs), lead-based paint (LBP), and polychlorinated biphenyls (PCBs). Consequently, the City of Homer applied for DBAC services to review previous HBMI assessments and provide a data gap analysis; evaluate the presence of lead in soils from LBP around both buildings; and to assist with cleanup planning by providing support with community engagement efforts and by providing an ABCA.

The subject property is listed in the ADEC Contaminated Sites database, under File Number 2314.38.043 and Hazard I.D. Number 27933.

BGES, Inc. (BGES) conducted a data gap analysis following review of the previous HBMI reports and conducted site characterization activities at the HERC buildings in Homer, Alaska between May 19 and May 21, 2025, in general accordance with the work plan prepared by BGES (dated October 9, 2024) and approved by Flannery Ballard, ADEC Project Manager, on October 24, 2024. The purpose of these activities was to characterize and inventory HBMs for disposal purposes and to characterize potential soil contamination stemming from LBP, PCB-containing building materials, and ACBMs.

1.c Site Assessment Findings

Soil Characterization

BGES prepared a Site Characterization Report, dated August 2025, detailing the characterization activities and findings. BGES hand-dug a total of 54 test holes around the perimeter of the two buildings on the subject property to maximum depths of 2 feet below grade, including 37 test holes surrounding HERC 1 and 17 test holes surrounding HERC 2. A total of 158 field screening samples were collected from various depths within the test holes and analyzed using an x-ray fluorescence (XRF) meter to evaluate the potential presence of lead in the soils. No staining, odors, or paint chips were observed in any of the test holes, and groundwater was not encountered in any of the test holes. A total of 44 soil samples (including 4 duplicate samples) were collected from the locations that exhibited the greatest XRF results and were submitted for laboratory analysis of Resource and Conservation Recovery Act (RCRA) metals. Nine of the soil samples, including one duplicate sample pair, were also analyzed for PCBs based on their proximity to a transformer or building materials that previously tested positive for PCBs, and an additional two soil samples were collected from near the entrances to HERC 2 and were analyzed for asbestos, to evaluate potential contamination stemming from previous (apparent) uncontrolled removal of asbestos-containing materials (ACMs).

In all of the soil samples that were submitted for laboratory analysis, arsenic was the only contaminant detected above ADEC cleanup criteria for migration to groundwater, with concentrations ranging from 0.069 milligram per kilogram (mg/Kg) to 37 mg/Kg. However, it is our opinion that the reported concentrations of arsenic are consistent with naturally occurring background concentrations of arsenic in Alaska, and as such, do not appear to be indicative of a release and arsenic is not considered to be a contaminant of concern for this property.

Lead was detected in all soil samples except one at concentrations ranging from 0.057 mg/Kg to 43 mg/Kg, which are below the ADEC cleanup criterion for residential land use. Lead was detected in one sample at a concentration of 190 mg/Kg, which is below the ADEC cleanup criterion but may be at a concentration that would be considered leachable. This sample was therefore also analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) to determine whether the lead within these soils may be leachable and therefore whether the soils would potentially be hazardous when excavated during future remediation activities. This sample exhibited a TCLP-lead concentration of 0.34 milligram per liter (mg/L), which is below the RCRA-defined threshold of 5.0 mg/L. Based on this TCLP-lead result, it appears that any soil excavated from this area in the future may not need to be managed as hazardous waste.

PCBs were only detected in one sample (as aroclor-1260) at a concentration of 120 micrograms per kilogram (µg/Kg), which is below the ADEC cleanup criterion of 1 mg/Kg.

Based on these results, BGES did not identify any contamination in the soils at concentrations that exceed the ADEC cleanup criteria, with the exception of arsenic, as discussed above.

HBMI Assessment

A data gap analysis of the existing HBMIs for both buildings was performed by BGES, and a table and figures showing the HBMs for each building were compiled. The findings of this data gap analysis are briefly discussed below and are discussed in detail in BGES' Limited HBMI report, included in Appendix A. The locations of ACBMs, PCBs, and LBP detected in 2020, 2022, 2023, and 2025 are shown on Figures 3 through 6.

A 2020 HBMI of both buildings identified ACBMs such as floor tile mastic, pipe insulation, and joint compound in both buildings; LBP on the windows in both buildings; and visually assessed building materials for PCBs, concluding that light ballasts may contain PCBs, but samples for analysis were not collected.

A 2022 and 2023 HBMI of HERC 2 identified ACBMs such as floor tile and mastic, ceiling mastic, pipe insulation, joint compound, sealant and putty, and other miscellaneous building materials; LBP in windows, door frames, handrails, and other miscellaneous building materials; and PCBs in wall, door, and window paints, window glazing compounds, ceiling and floor tiles, mastic, cove base, and fiberglass insulation.

A 2023 HBMI of HERC 1 identified ACBMs such as the putty used in the exterior seams of the metal siding, window glazing compound, and a cloth within the duct system in the kitchen; and PCBs in the wall and window paints, varnish, ceiling tiles, and mastic. A LBP-survey of HERC 1 was not performed in 2023.

It is our opinion that not enough LBP characterization for disposal was performed in either building during those previous assessments. It is also our opinion that not enough potentially PCB-containing building material samples were collected for analysis from HERC 1.

BGES conducted a limited HBMI of HERC 1 on May 20 and 21, 2025. The presence of LBP was evaluated using an XRF field-screening instrument. A total of 440 XRF readings were taken and 45 of those readings exceeded the Environmental Protection Agency (EPA) regulatory limit of 1.0 milligram of lead per square centimeter, or 1.0 mg/cm^2. Specifically, all windows in HERC 1 have LBP on one or more of their components.

Based on the results of the limited HBMI conducted by BGES, both buildings will require TCLP-lead determinations, unless materials will be assumed to be hazardous for disposal purposes. Building materials containing PCBs are generally not permitted at landfills in Alaska, though some regional landfills (such as Anchorage Regional Landfill) may permit materials with concentrations less than 1 mg/Kg. Materials containing PCB concentrations exceeding 1 mg/Kg are not acceptable at any landfills in Alaska. Because of the presence of LBP and PCB-containing building materials within both buildings, additional testing for LBP (including paint chip analysis and/or TCLP analysis) and PCBs will likely be required if those materials will be abated prior to demolition and disposal of the building debris.

1.d Project Goal

Following the City of Homer's purchase of the HERC Buildings and based on the conditions of the two buildings, the City of Homer applied for DBAC services for assistance with characterizing any HBMs or contaminated soils on the subject property. These activities included a review and a data gap analysis of previous HBM surveys; completing a limited HBMI as needed for HERC 1; soil assessment activities around both buildings to evaluate the potential presence of lead from LBP; and to assist with cleanup planning by providing an ABCA and by providing support with community engagement efforts, so that the City has sufficient information to proceed with demolition of the buildings and to remediate the property. It is our understanding that grant-provided funding may be available for future phases of this project, but may only be used for assessment, abatement, and/or disposal of HBMs. Any costs associated with removal or disposal of nonhazardous building materials will be the responsibility of the City of Homer.

In order to accomplish this objective, this ABCA presents several options for removal and disposal of the HBMs from the subject property.

2.0 APPLICABLE REGULATIONS & CLEANUP STANDARDS

2.a Cleanup Oversight Responsibility

Remediation and/or demolition of the subject property will be regulated by the ADEC. The ADEC Project Manager for this project is Flannery Ballard.

2.b Cleanup Standards for Major Contaminants

The primary contaminants of concern at the project site include HBMs such as asbestos, LBP, and PCBs.

According to the National Emissions Standard for Hazardous Air Pollutants (NESHAP), ACM is defined as materials containing at least 1 percent asbestos; including but not limited to chrysotile, amosite, tremolite, actinolite, and crocidolite asbestos. Based on the results of the limited HBMI conducted by BGES, many of the building components in each building meet this definition.

In accordance with the EPA regulatory limit, any materials containing 1.0 milligram per square centimeter (mg/cm^2) of lead are considered to be LBP. Based on the results of the limited HBMI conducted by BGES, many of the building components in HERC 2 and the windows, doors, and exterior walls of HERC 1 meet this definition.

According to the Toxic Substance Control Act (TSCA) in 40 CFR Part 761, PCB bulk product waste is defined as containing PCBs at a concentration of greater than, or equal to 50 mg/Kg. Based on the results of the limited HBMI conducted by BGES, none of the building components that were tested for PCBs meet this definition. However, various building materials have been found to contain up to 19 mg/Kg PCBs, and no landfills in Alaska are permitted to accept waste with these concentrations of PCBs.

2.c Laws & Regulations Applicable to the Cleanup

Asbestos-Containing Materials

All work involving abatement or demolition of ACM should be conducted in accordance with the NESHAP established by the US EPA. As such, friable ACM and some categories of non-friable ACM must be properly encapsulated or abated before general demolition or renovation activities may occur. Both friable and non-friable ACMs exist on the subject property and the project therefore involves Regulated ACM (RACM). Demolition or renovation of buildings containing RACM requires prior notification to the US EPA.

A material is considered RACM if it fits these criteria:

- Friable ACM.
- Category I non-friable ACM that has been, or will be exposed to forces during demolition or removal that may disturb the material and cause it to become friable. This includes, but is not limited to, grinding, cutting, sanding, and abrading.

• Category II non-friable ACM that has been, or will be exposed to forces during demolition or renovation that may disturb the material, causing it to become crumbled, pulverized, or reduced to a powdered form.

According to NESHAP regulations, RACM need not be removed before demolition or renovation if it meets the following criteria:

• It is Category I non-friable ACM that is in good condition.

• It is enclosed in concrete or other similarly hard material and is adequately wet when it is exposed during demolition or renovation.

• The RACM was discovered after demolition or renovation began and it cannot be safely removed.

• It is Category II non-friable ACM and there is a low probability that the material will become disturbed during demolition or renovation.

According to the Occupational Safety and Health Administration (OSHA), the permissible exposure limit (PEL) for asbestos is 0.1 fiber per cubic centimeter (f/cc) of air as an 8-hour time-weighted average. The Excursion Limit is 1.0 f/cc averaged over a 30-minute period. Because the ACM at the subject property includes surfacing, the demolition or abatement of the ACM constitutes Class I work; presenting the greatest potential risk to the personnel handling the ACM. The demolition or abatement activities must be conducted by properly certified personnel, taking appropriate safety precautions.

Under OSHA's construction standard, OSHA classifies construction activity according to descending degree of risk, with Class I work presenting the greatest potential risk and class IV the lowest.

• Class I work involves the removal of Thermal System Insulation (TSI) and surfacing ACM or PACM.

• Class II work involves removal of any other ACM that is not TSI or surfacing ACM.

• Class III work includes repair and maintenance activities where employees are likely to disturb ACM.

• Class IV work is defined as maintenance and custodial activities during which employees contact ACM or PACM, including waste and debris cleanup.

Lead-Based Paint Containing Materials

On September 15, 1999, U.S. Department of Housing and Urban Development (HUD) published final regulations to implement Sections 1012 & 1013 of Title X, which set forth specific policies on LBP hazard reduction in federally assisted and federally owned housing (24 CFR Part 35 — Requirement for Notification, Evaluation and Reduction of Lead-Based Paint Hazard in Housing Receiving Federal

Assistance). This rule is a comprehensive amendment of previous federal housing LBP regulations and consolidates HUD LBP requirements into one part of the CFR. HUD guidelines are applicable for a dwelling that contains LBP at 1.0 mg/cm^2 or more. In most cases, HUD guidelines also require disclosure of the presence of LBP in building materials to any future tenants or owners of the property.

Between 2008 and 2013, the U.S. EPA promulgated the Renovation, Repair, and Painting (RRP) guidelines pertaining to renovation, repair, and painting projects that disturb lead-based paint in homes, child care facilities and pre-schools built before 1978, and it requires contractors to have their firm certified by EPA (or an EPA-authorized state), use certified renovators who are trained by EPA-approved training providers, and follow lead-safe work practices.

PCB-Containing Materials

TSCA regulations apply when PCBs are determined to be present at concentrations exceeding 50 mg/Kg in solid wastes. TSCA-regulated PCB bulk product waste may be disposed of in a facility permitted, licensed, or registered by a State as a municipal or non-municipal non-hazardous waste landfill provided the waste is one of the following: plastics (such as plastic insulation from wire or cable; radio, television and computer casings; vehicle parts; or furniture laminates); preformed or molded rubber parts and components; applied dried paints, varnishes, waxes or other similar coatings or sealants; caulking; Galbestos; non-liquid building demolition debris; or non-liquid PCB bulk product waste from the shredding of automobiles or household appliances from which PCB small capacitors have been removed (shredder fluff), or is a PCB bulk product waste, sampled in accordance with the protocols set out in 40 CFR 761 subpart R, that leaches PCBs at <10 micrograms per liter (µg/L) of water measured using a procedure used to simulate leachate generation.

Additionally, PCB waste disposal records and reports must be maintained in accordance with 40 CFR 761 subpart K.

State of Alaska Landfill Disposal Requirements

The ADEC has issued guidance regarding disposal requirements for building materials from non-residential facilities with LBP. For more information regarding material disposal options, please refer to the ADEC publication titled "*Non-Residential Lead-Based Paint Guidance Document*" (dated April 2024), which discusses disposal limitations based on total lead and TCLP-lead concentrations.

In Alaska, materials with detections of PCBs are generally not permitted in rural landfills. The maximum allowable PCB concentration for disposal of building materials in some landfills (such as the Anchorage Regional Landfill) is 1.0 mg/Kg. Some landfills may have further restrictions regarding disposal of PCBs.

3.0 EVALUATION OF CLEANUP ALTERNATIVES

In addition to the alternatives listed below, BGES evaluated some options that were ultimately omitted from the analysis for various reasons. BGES considered disposal of HBMs at the Homer Transfer Facility in Homer, Alaska; however, this transfer facility currently prohibits disposal of these items.

BGES considered disposal of HBMs at the Central Peninsula Landfill in Soldotna, Alaska; however, this landfill currently prohibits disposal of materials containing more than 1 mg/Kg PCBs.

BGES considered disposal of HBMs at the Anchorage Regional Landfill in Eagle River, Alaska; however, this landfill currently prohibits disposal of materials generated outside of the Municipality of Anchorage.

BGES considered abatement and disposal of all HBMs at the Columbia Ridge Landfill in Arlington, Oregon and disposal of the remaining building debris in the Homer Inert Waste Monofill; however, the local community has expressed their disinterest in this alternative as they would be responsible for the costs associated with disposal of the non-hazardous building debris.

3.a Cleanup Alternatives Considered

The following alternatives were considered as options for remediating the subject property:

a) **No Action:** The ACM, LBP, and PCBs on the subject property would not be abated and the buildings would not be demolished. This alternative is not desirable to the local community, because the presence of HBMs may constitute a health risk for site visitors.
b) **Encapsulation of LBP only in both buildings:** This alternative consists of encapsulating LBP throughout both buildings on the subject property, in order to protect the public from exposure. This alternative is not desirable for HERC 2, which has already been boarded and closed to the public; however, the local community may consider this alternative agreeable as a short-term solution for HERC 1 while the fate of this building is decided.
c) **Further testing and analysis of building materials:** This alternative would focus on materials deemed to contain or potentially contain LBP and/or PCBs, in order to better define an abatement scope of work and to ultimately only remove those building materials that are hazardous. This alternative is not desirable to the local community due to the time that would be required for additional testing, and because the community would then be responsible for demolition of the nonhazardous building materials; something they have voiced as not being a desirable option.
d) **Abatement and local disposal of ACM and removal and disposal of the remaining structures off-site (outside of Homer)**: Because there are no feasible options for local disposal of LBP or

PCB-containing building materials, only the ACMs would be physically removed from the buildings and placed in the Central Peninsula Landfill in Soldotna, Alaska. The buildings on the subject property would then be demolished, and the building materials would be transported to the Columbia Ridge Landfill in Arlington, Oregon for disposal as LBP- and PCB-containing waste. This alternative is favorable to the local community.

e) **Abatement via disposal of both buildings (outside of Homer):** This option would include removal of the entire structures and off-site disposal. The buildings on the subject property would be demolished and shipped to the Columbia Ridge Landfill in Arlington, Oregon for disposal as ACM-, LBP-, and PCB-containing waste. This alternative is favorable to the local community.

3.b Details of Cleanup Alternatives

Each alternative was evaluated for effectiveness, implementability, and cost.

<u>Effectiveness</u>

a) **No Action:** This option would not be effective in controlling or preventing the exposure of receptors to hazardous materials at the site. If this action were selected, the buildings would continue to deteriorate and potentially pose a risk to public health.

b) **Encapsulation of LBP only in both buildings:** This option would be effective in the short term to prevent exposure to LBP, but would not be effective in preventing exposure to other hazardous materials, and ineffective in supporting the City's objective of repurposing the subject property.

c) **Further testing and analysis of all building material components:** This option would include further investigations regarding the presence of ACM, LBP, and PCBs in order to refine cost estimates for disposal of each building material. In conjunction with another alternative, this option would be effective in accomplishing the goal of demolition and eventual repurposing of the subject property.

d) **Abatement and local disposal of ACM and removal and disposal of the remaining structures off-site (outside of Homer)**: This option would be effective in accomplishing the goal of demolition and eventual repurposing of the subject property.

e) **Abatement via disposal of both buildings (outside of Homer):** Abatement of the entire buildings and disposal in the Columbia Ridge Landfill in Arlington, Oregon as a hazardous waste stream would be effective in preventing receptors from coming into contact with ACMs, LBP, and PCBs; and in supporting the community's objective of removing the buildings and repurposing the subject property.

<u>Implementability</u>

a) **No Action:** This option requires no effort and is thus easy to implement.

b) **Encapsulation of LBP only in both buildings:** This option would consist of retaining an abatement company to encapsulate the LBP in the buildings, which can be accomplished fairly easily.

c) **Further testing and analysis of all building material components:** This option would require extensive surveying and sampling which would be moderately difficult to accomplish and would prolong the overall process of demolition and repurposing of the subject property.

d) **Abatement and local disposal of ACM and removal and disposal of the remaining structures off-site (outside of Homer)**: This option would require further investigation of the ACMs to ensure they do not also contain LBP or PCBs, which would be moderately difficult to accomplish and would prolong the overall process of demolition and repurposing of the subject property.

e) **Abatement via disposal of both buildings (outside of Homer):** Abatement by removal and disposal in the Columbia Ridge Landfill in Arlington, Oregon would require retaining an abatement contractor to containerize the building materials for transportation to a distant disposal facility, which would be relatively easy to coordinate. This option would not require any further testing.

<u>Cost</u>

The rough order of magnitude costs associated with each remedial alternative described in this report are listed below.

a) **No Action:** There are no costs associated with taking no action.

b) **Encapsulation of LBP only in both buildings:** The estimated cost of encapsulating the LBP in both buildings is $60,000.

Table 1. Cost of encapsulation of LBP only in both buildings (Alternative b)

Item	LBP Abatement	Transportation & Disposal	Total
Professional Labor - Abatement Contractor	$60,000	-	$60,000
Project Total			**$60,000**
Contingency (-30% / +50%)			***$42,000 to $90,000***

c) **Further testing and analysis of all building material components:** The estimated cost of performing additional testing and analysis is $30,000.

Table 2. Further testing and analysis of all building material components (Alternative c)

Item	Work Plan	Sampling & Analysis	Reporting	Total
Professional Labor - Env Consultant	$2,610	$7,820	$3,690	$14,120
Other Field Work Costs		$1,130		$1,130
Analytical Costs		$14,750		$14,750
Project Total				**$30,000**
Contingency (-30% / +50%)				***$42,000 to $90,000***

d) **Abatement and local disposal of ACM and removal and disposal of the remaining structures off-site (outside of Homer)**: The estimated cost of abating the ACMs for disposal in the local landfill, and disposing of the remaining building debris in the Columbia Ridge Landfill in Arlington, Oregon is $10,300,000.

Table 3. Abatement and local disposal of ACM and removal and disposal of the remaining structures off-site (outside of Homer) (Alternative d)

Item	Abatement & Demolition	Transportation & Disposal	Total
Professional Labor - Abatement & Demolition Contractor	$300,000		$300,000
ACM Disposal		$6,800	$6,800
LBP & PCB Transport & Disposal		$9,993,200	$9,993,200
Project Total			**$10,300,000**
Contingency (-30% / +50%)			***$7,210,000 to 15,450,000***

e) **Abatement and disposal of both buildings:** The estimated cost of disposal of all building debris as hazardous waste in the Columbia Ridge Landfill in Arlington, Oregon is $10,500,000.

Table 4. Abatement and disposal of both buildings (Alternative e)

Item	Abatement & Demolition	Transportation & Disposal	Total
Professional Labor - Abatement & Demolition Contractor	$290,000		$290,000
LBP & PCB Transport & Disposal		$10,210,000	$10,210,000
Project Total			**$10,500,000**
Contingency (-30% / +50%)			***$7,350,000 to 15,750,000***

3.c Recommended Cleanup Alternative

Based on the effectiveness, implementability, and cost of each alternative, as discussed above, Alternative D would be the best option for meeting the community's objectives. Therefore, it is recommended that remediation of the subject property be accomplished by abating all ACMs for disposal in the Central Peninsula Landfill in Soldotna, Alaska prior to demolishing the buildings and transporting the remaining building debris to the Columbia Ridge Landfill in Arlington, Oregon for disposal as hazardous waste. This option would be effective in removing hazardous materials from the subject property and allowing the community to repurpose the property as they see fit. An abatement contractor who is familiar with transportation and disposal requirements would coordinate this effort. The estimated cost of this alternative is $10,300,000.

4.0 REFERENCES

18 AAC 75 *Oil and Other Hazardous Substances Pollution Control, Revised as of October 18, 2023*. State of Alaska, Department of Environmental Conservation, Juneau, Alaska.

24 CFR 35.1320 *Lead-based paint inspections, paint testing, risk assessments, lead-hazard screens, and reevaluations.* United States of America, Department of Housing and Urban Development, Washington, D.C.

29 CFR 1910.120 *Hazardous waste operations and emergency response, as of May 14, 2019.* United States of America, Occupational Safety and Health Standards, Washington, D.C.

40 CFR 763 Subpart E Appendix E. *Asbestos-Containing Materials in Schools, October 30, 1987.* United States of America, Environmental Protection Agency, Washington, D.C.

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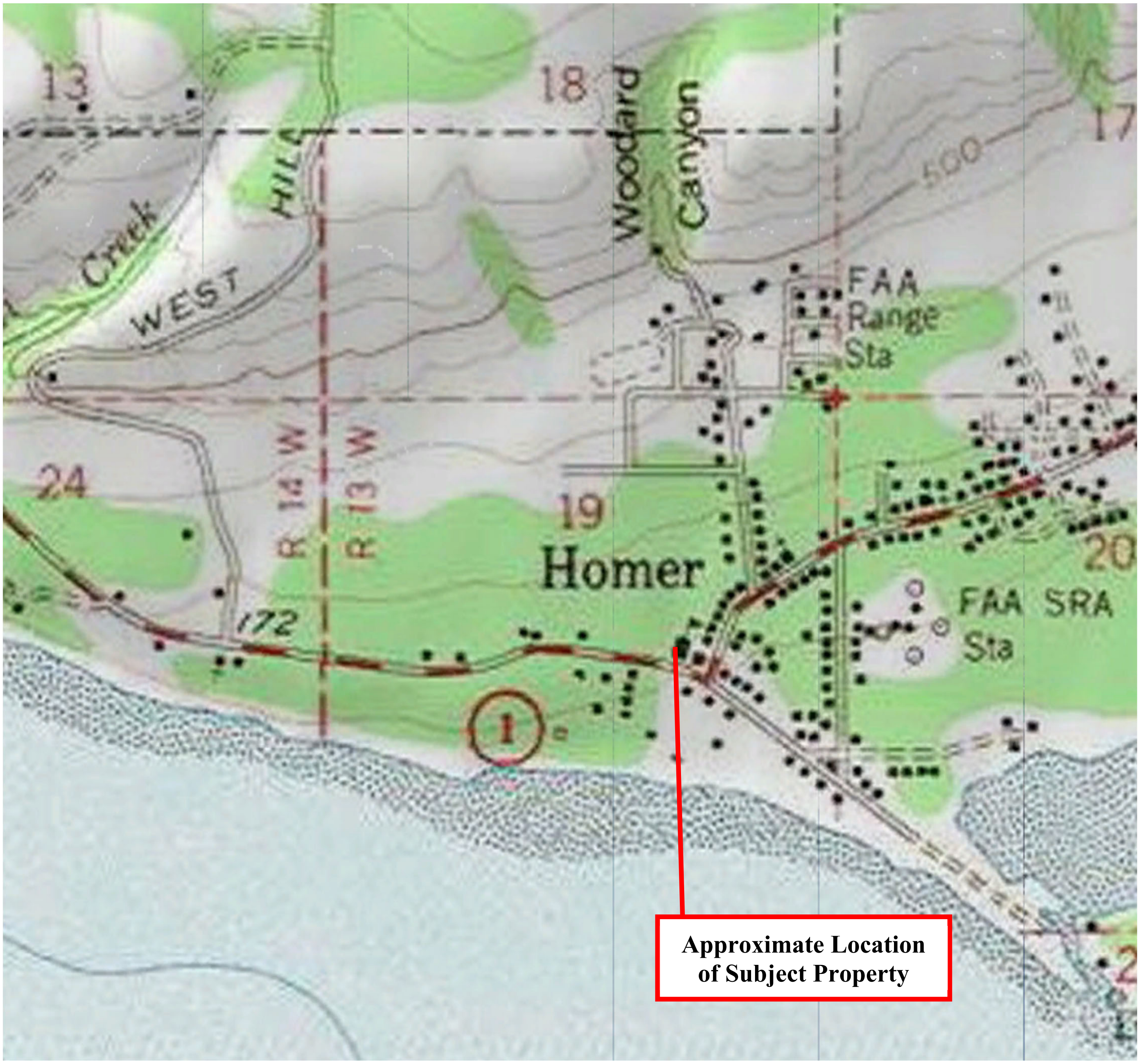


Source: Google Earth Pro ©

0 0.25 0.5 1

Approximate Scale in Miles

N

Homer HERC Buildings
Homer, Alaska

Property Vicinity Map

BGES, INC.	September 2025	Figure 1

Source: Google Earth Pro ©

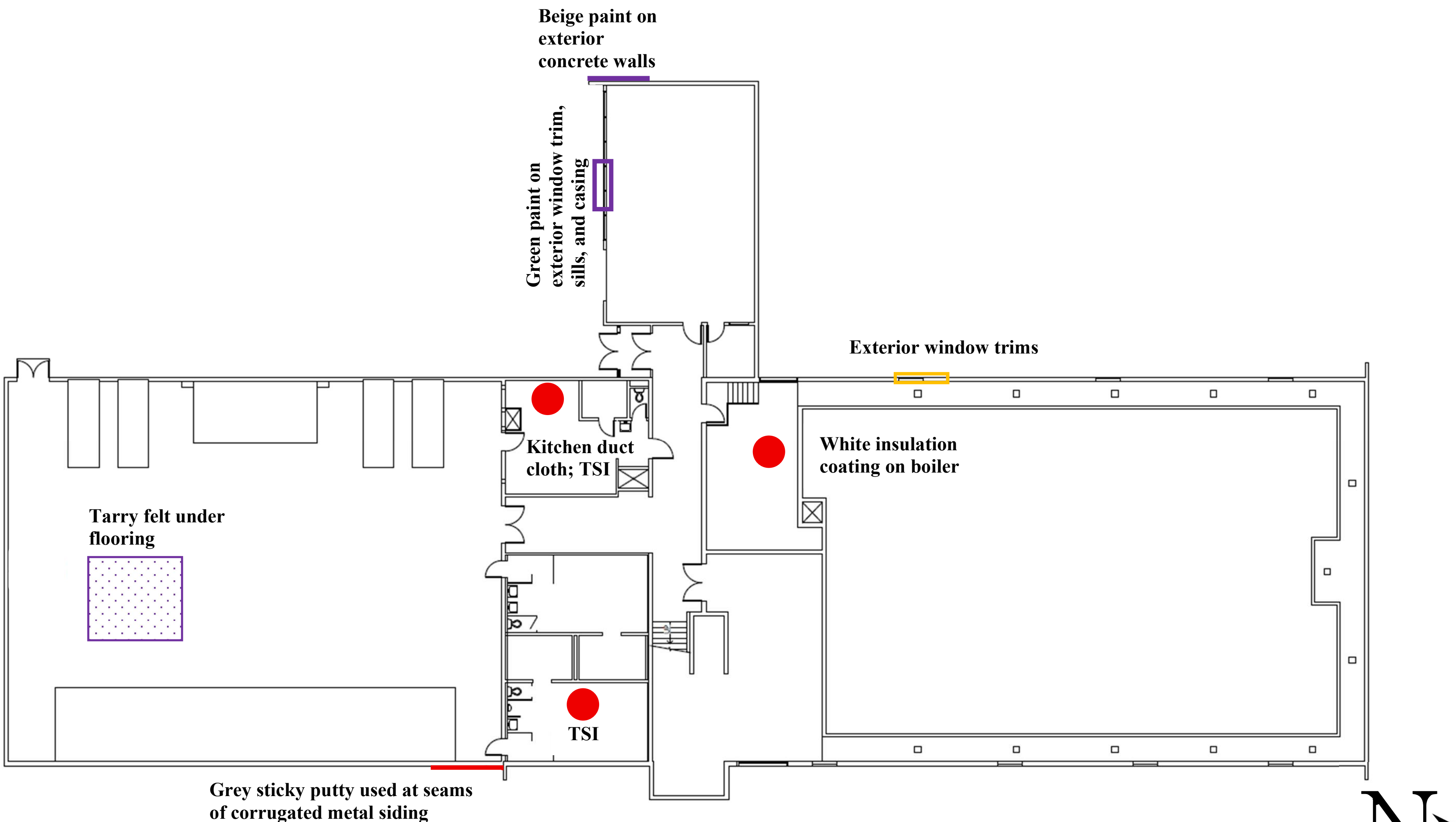
0 50 100 200

Approximate Scale in Feet

N

Homer HERC Buildings
Homer, Alaska
Site Map

BGES, INC.	September 2025	Figure 2



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

Building Component Contains

	Asbestos	**LBP**	**PCBs**
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

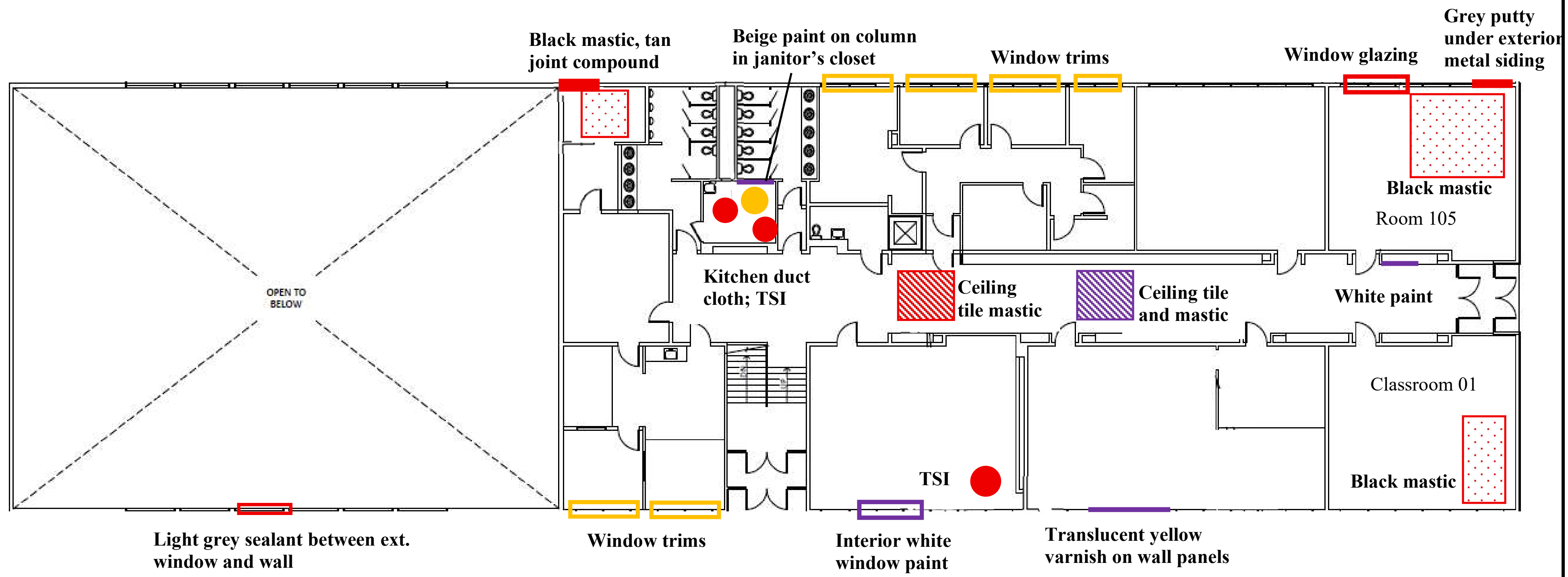
Homer HERC Buildings
Homer, Alaska

HERC 1 – 1st Floor
Hazardous Building Materials

BGES, INC.

September 2025

Figure 3



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

	Building Component Contains		
	Asbestos	**LBP**	**PCBs**
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Homer HERC Buildings

Homer, Alaska

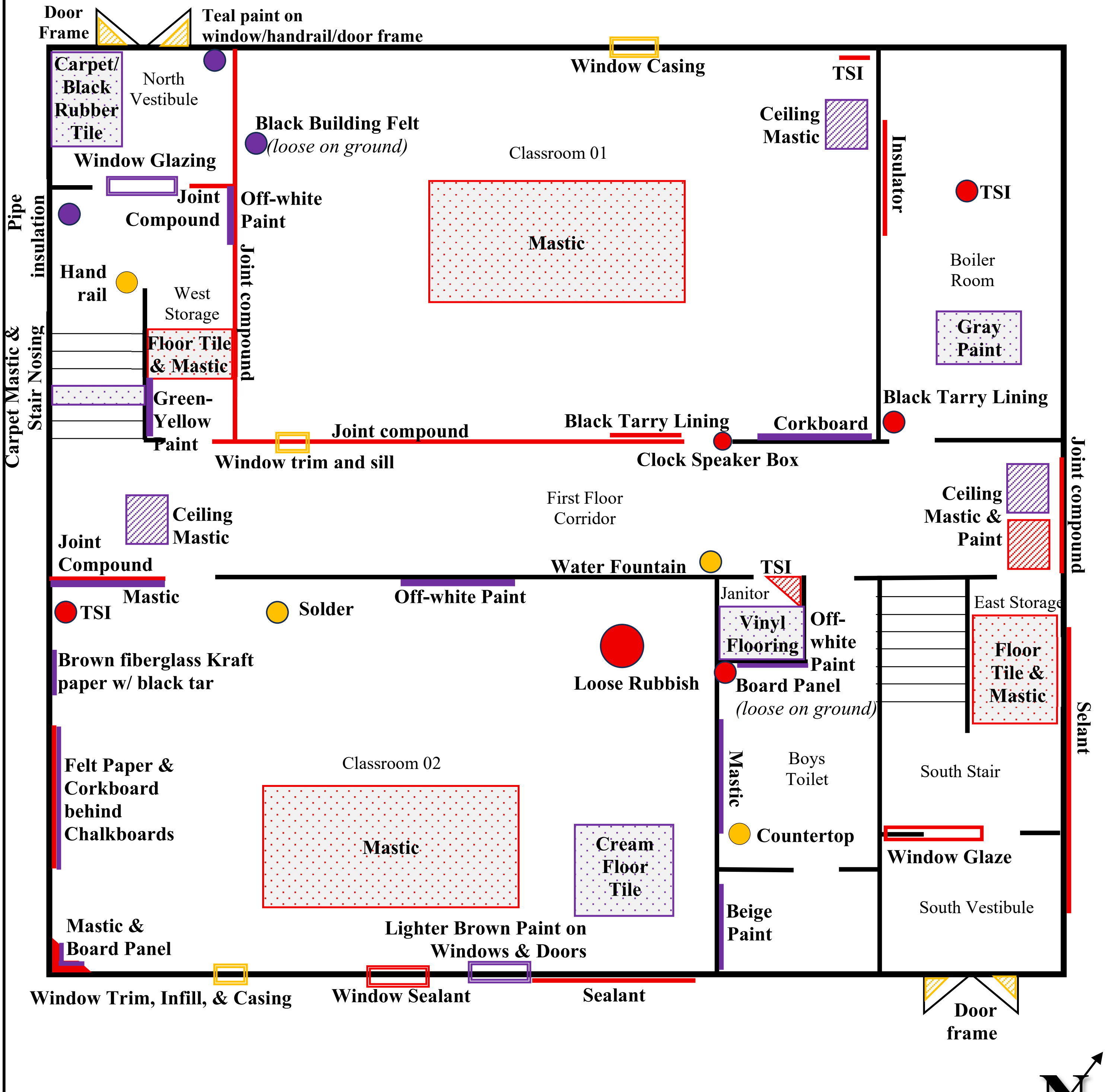
HERC 1 – 2nd Floor

Hazardous Building Materials

BGES, INC.

September 2025

Figure 4



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

Building Component Contains

Asbestos **LBP** **PCBs**

Window component
Wall component
Door component
Floor component
Ceiling component
TSI & other Miscellaneous items

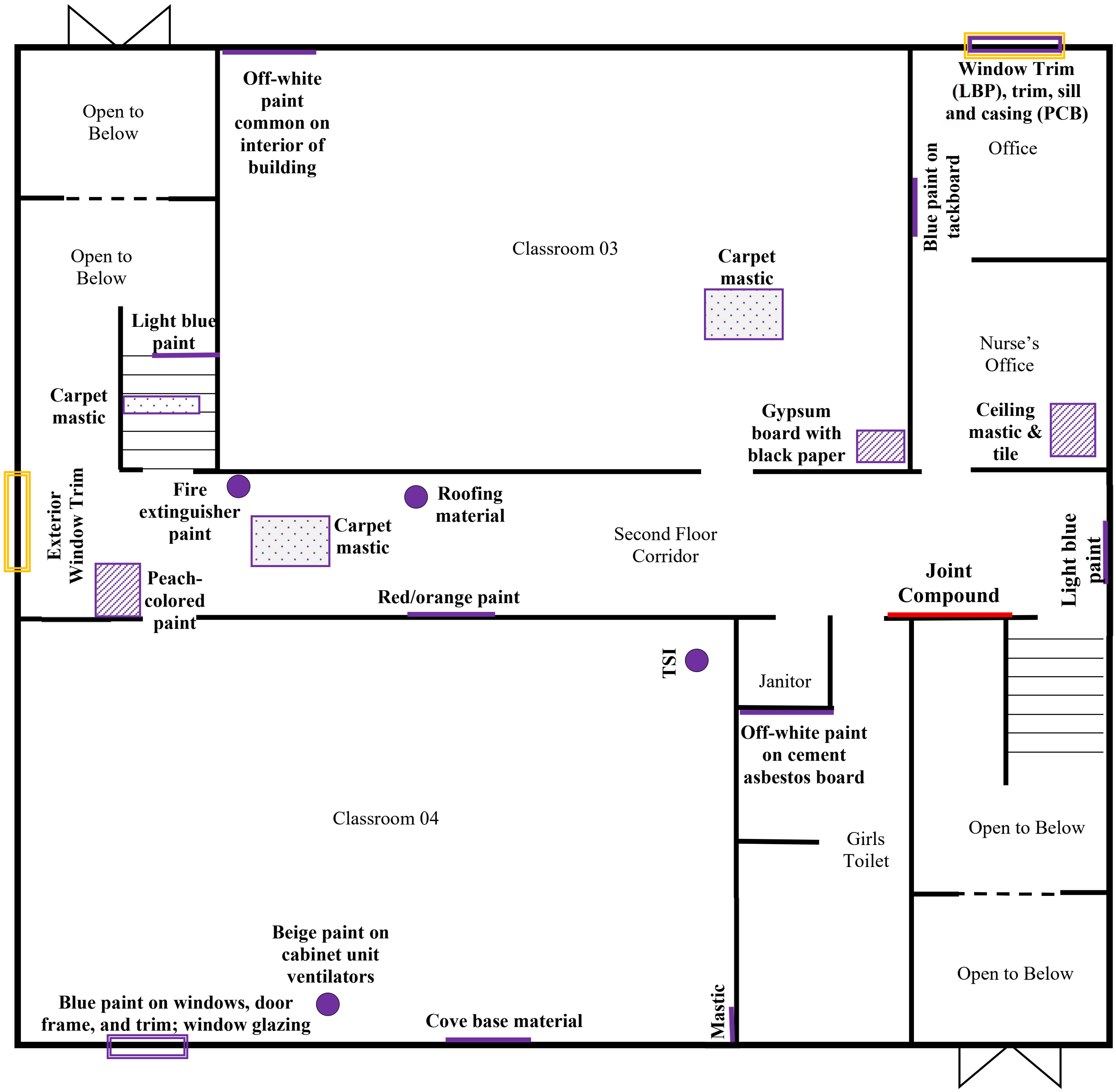
Homer HERC Buildings
Homer, Alaska

HERC 2 – 1st Floor
Hazardous Building Materials

BGES, INC. ENVIRONMENTAL CONSULTANTS

September 2025

Figure 5



Legend

Building Component Contains

	Asbestos	**LBP**	**PCBs**
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

N

Homer HERC Buildings
Homer, Alaska

HERC 2 - 2nd Floor
Hazardous Building Materials

BGES, INC. ENVIRONMENTAL CONSULTANTS

September 2025 | **Figure 6**

APPENDIX A

BGES SITE CHARACTERIZATION REPORT, DATED AUGUST 2025

BGES, INC.

ENVIRONMENTAL CONSULTANTS

SITE CHARACTERIZATION REPORT
HOMER HERC BUILDINGS
HOMER, ALASKA

ADEC FILE NUMBER 2314.38.043
ADEC HAZARD ID 27933

AUGUST 2025

Submitted to: **Flannery Ballard, Brownfields Program Specialist**
Division of Spill Prevention & Response, Contaminated Sites Program
Alaska Department of Environmental Conservation
410 Willoughby Avenue #303
Juneau, Alaska 99801

Submitted by: **BGES, INC.**
1042 East 6th Avenue
Anchorage, Alaska 99501
(907) 644-2900

www.BGESINC.com

24-053-02

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FIGURES (Located at End of Report)

TABLES (Located at End of Report)

APPENDICES

ACRONYMS

AAC	-	Alaska Administrative Code
ABCA	-	Analysis of Brownfield Cleanup Alternatives
ACBM	-	Asbestos-Containing Building Materials
ACM	-	Asbestos-Containing Materials
ADEC	-	Alaska Department of Environmental Conservation
AHERA	-	Asbestos Hazard Emergency Response Act
bg	-	Below Grade
BGES	-	Braunstein Geological and Environmental Services
CFR	-	Code of Federal Regulations
cm^2	-	Square Centimeter
DBAC	-	ADEC Brownfield Assessment and Cleanup
EMSL	-	EMSL Analytical, Inc.
EPA	-	Environmental Protection Agency
GoldStreak	-	Alaska Air Cargo
GPS	-	Global Positioning System
HBM	-	Hazardous Building Materials
HBMI	-	Hazardous Building Materials Inventory
HERC	-	Homer Education and Recreation Center
HTRW	-	HTRW, LLC
HUD	-	U.S. Department of Housing and Urban Development
KPB	-	Kenai Peninsula Borough
LBP	-	Lead-Based Paint
MDL	-	Method Detection Limit
Metiri	-	APPL, a Metiri Group Laboratory
mg/Kg	-	Milligram per Kilogram
mg/L	-	Milligrams per Liter
µg/L	-	Micrograms per Liter
MS	-	Matrix Spike
MSD	-	Matrix Spike Duplicate
NESHAP	-	National Emissions Standard for Hazardous Air Pollutants
PCB	-	Polychlorinated Biphenyls
PPE	-	Personal Protective Equipment
ppm	-	Parts Per Million
PQL	-	Practical Quantitation Limit
QC	-	Quality Control
QEP	-	Qualified Environmental Professional
RCRA	-	Resource Conservation and Recovery Act
RPD	-	Relative Percent Difference
SGS	-	SGS North America
TCLP	-	Toxicity Characteristic Leaching Procedure
TSCA	-	Toxic Substances Control Act
XRF	-	X-Ray Fluorescence

1.0 EXECUTIVE SUMMARY

BGES, Inc. (BGES) was contracted by the Alaska Department of Environmental Conservation (ADEC) to evaluate the presence of lead and other metals, polychlorinated biphenyls (PCBs), and asbestos in the soil in the vicinity of the Homer Education and Recreation Center (HERC) buildings in Homer, Alaska, hereafter referred to as the "subject property" (Figure 1), and to conduct a data gap analysis and any additional testing deemed necessary to complement existing hazardous building materials inventories (HBMIs) for the two buildings.

The subject property is listed in the ADEC Contaminated Sites database under File Number 2314.38.043 and Hazard ID 27933. The legal description of the subject property is listed by the Kenai Peninsula Borough (KPB) Property Information database as "T 6S R 13W SEC 19 SEWARD MERIDIAN HM 2000022 HOMER SCHOOL SURVEY 1999 CITY ADDN TRACT 2". The subject property is located at 450 Sterling Highway, to the northwest of the intersection of Sterling Highway and West Pioneer Avenue in the southern portion of Homer, Alaska, and is approximately 4.3 acres in size. Two buildings are present on the subject property (Figure 2). HERC 1 (Photograph 1 in Appendix B) is currently utilized by the City of Homer Parks and Recreation Department. HERC 2 is abandoned due to structural concerns and has been boarded up to prevent unauthorized access (Photograph 2 in Appendix B).

Between May 19 and May 21, 2025, BGES hand-dug a total of 54 test holes adjacent to the two buildings on the subject property, including 17 test holes surrounding HERC 2 and 37 test holes surrounding HERC 1. A total of 158 field screening samples were collected from various depths within the test holes and analyzed using an x-ray fluorescence (XRF) meter to evaluate the presence or absence of lead in the soils. A total of 44 soil samples (including 4 duplicate samples) were collected from the locations that exhibited the greatest XRF results and were submitted for laboratory analysis. Groundwater was not encountered in any of the test holes.

Arsenic was the only contaminant detected above ADEC cleanup criteria for migration to groundwater, with concentrations ranging from 0.069 milligram per kilogram (mg/Kg) to 37 mg/Kg. However, the detected concentrations of arsenic are considered to be within the range of naturally occurring arsenic in soil in Alaska. Only one soil sample, collected from HERC 1, exhibited a detectable concentration of PCBs. The detected concentration was 0.12 mg/Kg, which is below the ADEC cleanup criterion for migration to groundwater of 1.0 mg/Kg. In summary, soil contamination was not detected on the subject property during our project activities.

A data gap analysis of the existing HBMIs for both buildings was performed and a limited HBMI was conducted for HERC 1 between May 20 and 21, 2025. The presence of lead-based paint (LBP) was evaluated using an XRF field-screening instrument. A total of 440 LBP readings were taken and 45 of those readings exceeded the Environmental Protection Agency (EPA) regulatory limit of 1.0 milligram of lead per square centimeter, or 1.0 mg/cm^2. A copy of this HBMI report is included in Appendix A.

The field activities described in this report summarize the soil characterization activities completed in May 2025.

2.0 SITE BACKGROUND

The subject property is listed in the ADEC Contaminated Sites database, under File Number 2314.38.043 and Hazard I.D. Number 27933. The legal description of the subject property is listed by the KPB Property Information database as "T 6S R 13W SEC 19 SEWARD MERIDIAN HM 2000022 HOMER SCHOOL SURVEY 1999 CITY ADDN TRACT 2", and the property is approximately 4.3 acres in size. The subject property is located at 450 Sterling Highway, to the northwest of the intersection of Sterling Highway and West Pioneer Avenue in the southern portion of Homer, Alaska (Figure 1).

According to the ADEC Brownfields Assessment and Cleanup (DBAC) Application, the City of Homer purchased the HERC Buildings, HERC 1 and HERC 2, in July 2000 from the KPB, which had previously used them as a school. The buildings were constructed in the 1950s, before statehood when construction with hazardous building materials (HBMs) was commonplace. HERC 1 is a mixed office space and community gym, and HERC 2 is abandoned due to structural concerns.

HBMI assessments were conducted in 2020 and again in 2023 and identified HBMs such as asbestos-containing building materials (ACBMs), LBP, and PCBs. Consequently, the City of Homer applied for DEC DBAC services to review previous HBMI assessments and provide a data gap analysis; assess previous environmental sampling efforts and evaluate the presence of lead in soils from LBP around both buildings; and to assist with cleanup planning by providing an Analysis of Brownfield Cleanup Alternatives (ABCA) for the whole site, including providing support with community engagement efforts.

A recap of the data gap analysis and a reporting of the characterization activities completed during May of 2025 at the subject property are described below.

3.0 Data Gap Analysis

HBMIs were conducted for both buildings in 2020 and again in 2022 to 2023 by two separate firms. According to the National Emissions Standard for Hazardous Air Pollutants (NESHAP), Asbestos-Containing Materials (ACMs) are defined as containing at least 1 percent asbestos; including but not limited to chrysotile and amosite asbestos. According to the Toxic Substances Control Act (TSCA) in 40 Code of Federal Regulations (CFR) Part 761, PCB bulk product waste is defined as containing PCBs at a concentration of greater than or equal to 50 mg/Kg. However, landfills in Alaska are not permitted to accept waste with any detectable concentrations of PCBs. LBP is regulated under U.S. Department of Housing and Urban Development (HUD) regulations per Sections 1012 & 1013 of Title X, 24 CFR Part 35 and the EPA regulatory limit is 1.0 mg/cm^2.

3.1 2020 Hazardous Building Material Inventory

An HBMI was conducted by Environmental Management, Inc. in 2020 for both buildings (*Hazardous Building Materials Survey – HERC Buildings 1 and 2;* March 2020).

A total of 191 bulk layers were collected from 99 sample locations from both buildings for asbestos analysis. Twenty-three of the samples were found to contain between 2.4 percent and 80 percent asbestos. The HBMI identified ACBMs such as floor tile mastic, pipe insulation, and joint compound in both buildings.

A total of 44 readings were collected from both buildings to assess the presence of LBP; however, while the 2020 HBMI report concluded that the windows of each building contained LBP, the HBMI did not collect the appropriate number of readings for the windows or for other building fixtures, did not present the locations of the XRF readings, and did not present the numerical results of those readings, as required by HUD regulations per Sections 1012 & 1013 of Title X, 24 CFR Part 35. The HBMI visually assessed building materials for PCBs and concluded that light ballasts may contain PCBs but did not collect samples for analysis.

The positive detections of ACBMs are shown on Figures 3 through 6 and are presented in Table 1.

3.2 2022-2023 Hazardous Building Material Inventories

In 2022 and 2023, HBMIs were again conducted for both buildings.

Homer HERC 2 – 2022

In October 2022, in January 2023, and again in May 2023, HTRW, LLC (HTRW) conducted an HBMI of the HERC 2 building *(HERC 2 Hazardous Materials Assessment*, July 25, 2003). The inspection included sampling for ACBM and PCBs and screening for LBP.

A total of 78 bulk layers were collected from 64 sample locations within the building for asbestos analysis. A total of thirty-nine samples were found to contain chrysotile or amosite, and detections ranged from 1.1 percent to 85 percent. The HBMI identified ACBMs such as floor tile and mastic, ceiling mastic, pipe insulation, joint compound, sealant and putty, and other miscellaneous building materials.

A total of 118 samples were collected for PCB analyses, plus 14 duplicate samples. Fifty-seven of the samples, including four duplicate samples, contained detectable amounts of PCBs; thirty-six of those samples contained PCBs in exceedance of 1.0 mg/Kg. Building materials that contained PCBs included wall, door, and window paints; window glazing compounds; ceiling and floor tiles; mastic; cove base; and fiberglass insulation. As mentioned above, these building components are not acceptable at any landfills in Alaska.

HTRW collected 112 LBP screenings using a hand-held XRF (SciApps X-550) from locations throughout the interior and around the exterior of the building. Fourteen of the readings exceeded the EPA regulatory limit of 1.0 mg/cm^2. However, the inspector did not conduct an inspection to the extent that the HUD regulations require per Sections 1012 & 1013 of Title X, 24 CFR Part 35, and did not collect the appropriate number of samples for each testing combination and each wall within each room equivalent.

The positive detections of ACBMs, PCBs, and LBP are shown on Figures 5 and 6 and are presented in Table 1.

Homer HERC 1 - 2023

In May of 2023, HTRW conducted an HBMI of the HERC 1 building *(HERC 1 Hazardous Materials Assessment*, July 25, 2003). The inspection included sampling for ACBM and PCBs and screening for LBP.

HTRW collected 15 bulk samples from 13 sample locations within HERC 1 for asbestos analysis. Three of those samples had detections of chrysotile asbestos at or above 1 percent and were found in the putty used in the exterior seams of the metal siding, window glazing compound, and a cloth within the duct system in the kitchen.

HTRW did not perform an LBP-survey of HERC 1.

HTRW collected 34 samples, including 5 duplicate samples, for PCB analysis. Nine of the samples contained detectable concentrations of PCBs and seven of those samples contained PCBs in exceedance of 1.0 mg/Kg. Building materials that contained PCBs included wall and window paints and varnish; ceiling tiles; and mastic. As mentioned above, these building components (with detectable concentrations of PCBs) are not acceptable at any landfills in Alaska.

The positive detections of ACBMs and PCBs are shown on Figures 3 and 4 and are presented in Table 1.

3.3 Data Gap Evaluation of Previous Investigations

Upon review of the previous reports, it is our opinion that insufficient LBP testing was performed in both buildings. It is also our opinion that not enough potentially PCB-containing building material samples were collected for analysis from HERC 1.

During our 2025 field work, a thorough LBP inspection was completed for HERC 1 and the results of that inspection are summarized below and discussed in detail in the 2025 *Hazardous Building Materials*

Inventory, attached as Appendix A. Samples were not collected for additional PCB analysis and recommendations are discussed in detail in the *Analysis of Brownfields Cleanup Alternatives*, prepared under separate cover.

Based on the existing documentation, it also appears that uncontrolled demolition of ACMs occurred in HERC 2, and asbestos may have been spread across much of the building interior and potentially the exterior ground surface. During our 2025 field work, the soils were assessed for potential asbestos-contamination and two samples were collected for laboratory analysis, as discussed in detail below. Detailed information pertaining to the results of our hazardous building materials testing during the 2025 fieldwork is included in our Hazardous Building Materials Inventory report, included in Appendix A.

4.0 FIELD ACTIVITIES

The 2025 site characterization activities were performed by Lisa Vitale, Environmental Scientist II, and Javier Acuña, Environmental Scientist I, of BGES, both Qualified Environmental Professionals (QEPs) as defined by the ADEC. The characterization activities were performed in accordance with the *Site Characterization Work Plan* (dated October 9, 2024, and approved by the ADEC on October 24, 2024) and in general accordance with ADEC's Field Sampling Guidance (August 2024), 18 Alaska Administrative Code (AAC) 75 (October 18, 2023), and EPA SW-846 Test Method 6200. Photographs of the characterization activities are included in Appendix B. Field notes and global positioning system (GPS) coordinates are included in Appendix C. Prior to mobilizing to the site, BGES enlisted Alaska One-Call to mark all public underground utilities.

4.1 Workplan Deviations

Workplan deviations include the following:

- Because the north, south, and part of the west sides of the HERC 1 building were paved up to the building's exterior walls and because of an area of tall, dense, overgrown vegetation on the west side of HERC 1 (Photographs 3 and 4 in Appendix B), a request to the ADEC was made to decrease the total number of test holes from 80 to 54, with test holes placed at a spacing of approximately 10 feet between each hole. Permission was granted by the ADEC verbally and via e-mail on May 20, 2025.

- The *Site Characterization Workplan* stipulated that ten soil samples would be submitted for asbestos analysis. Based on field observations, it was decided that two samples would be submitted for analysis. One sample was collected from each of the entrances to HERC 2.

4.2 Field Screening and Sampling

Two ASTs were observed in proximity to the HERC 1 building (Photographs 5 and 6 in Appendix B). A transformer was observed on the north side of HERC 2 and on the west side of HERC 1; no labels regarding the presence or absence of PCBs were observed on either transformer (Photographs 7 and 8 in Appendix B). No staining was observed at the base of either transformer.

Fifty-four test holes were dug using hand shovels around the exterior of the HERC buildings, to depths ranging from approximately 6 inches below grade (bg) to approximately 2 feet bg. The shovels were decontaminated prior to, and after each use by spraying the equipment with an Alconox (detergent-grade) solution, wiping with a paper towel, spraying with clean water, and wiping again with a clean paper towel (Photograph 9 in Appendix B). The soils were temporarily placed next to their respective test holes until completion of sampling, and then the soils and field screening samples were ultimately returned to their respective test holes.

Field screening samples in each test hole were collected from depths of approximately 6 inches bg, 1-foot bg, and 2-feet bg, using clean stainless-steel spoons. Soils were collected from each sample interval in individual sealable plastic bags that were labeled with unique sample numbers and times of collection (Photograph 9 in Appendix B). A total of 158 field screening samples were collected and field-screened using an XRF, and the maximum lead concentration reading associated with each sample was recorded in the field notebook. The XRF readings ranged from values that were less than 0 parts per million (ppm) to 154 ppm. Handheld XRFs estimate concentrations after background "noise" subtraction and a calibration fit. When the true concentration is near zero, random counting noise can cause the reported value to dip below zero. These values are considered non-detect results for lead. Four of the samples exhibited XRF readings equal to, or above 100 ppm. No staining on the ground or odors were observed during field activities.

The 40 field screening samples that exhibited the greatest XRF results were selected for laboratory analysis. Sample portions for laboratory analysis were placed directly into laboratory-supplied containers that were labeled and placed in a chilled cooler. As a quality control (QC) procedure, an additional four duplicate samples were collected (or one per ten primary samples) from the sample locations with the greatest XRF readings and submitted "blindly" to the laboratory to evaluate field sampling precision. The samples were immediately placed in a cooler with frozen gel ice to maintain a temperature of 0 to 6 degrees Celsius.

Because hand tools were reused, two equipment blank samples (or one per twenty primary samples) were collected by rinsing the equipment with analyte-free water supplied by the laboratory and collecting the rinsate in laboratory-supplied containers for the same analyses as the primary samples to evaluate the effectiveness of our decontamination procedures.

The location of each test hole was recorded in the field notebook, and the geographical coordinates were recorded using a StoneX GPS with sub-meter accuracy. Field notes and GPS coordinates are attached in Appendix C and sample locations are depicted on Figures 7 and 8.

4.3 Laboratory Analysis

Forty-four soil samples, including four duplicate samples, and two equipment blank samples were collected as described above, uniquely labeled, and placed in a chilled cooler which was transported from Homer to Anchorage by BGES personnel and then shipped via Alaska Air Cargo (Goldstreak) by BGES personnel under chain of custody protocol to APPL, a Metiri Group Laboratory (Metiri), in Clovis, California, an ADEC-approved laboratory, for analysis of Resource Conservation and Recovery Act (RCRA) Metals by EPA Methods 6020B and 7471B. Nine of the soil samples, including one duplicate sample pair, were selected for analysis of PCBs by EPA Method 8082A based on their proximity to a transformer, window, or door. Based on laboratory analytical results, one soil sample was re-analyzed for lead by Toxicity Characteristic Leaching Procedure (TCLP) EPA Method 1311. In addition, two soil samples collected near the entrances to HERC 2 were shipped in a box and submitted to EMSL Analytical (EMSL) in San Leandro, California via FedEx shipment by BGES personnel under chain of custody protocol. These samples were submitted for asbestos analysis in accordance with Asbestos Hazard Emergency Response Act (AHERA) guidelines, outlined in 40 Code of Federal Regulations (CFR) 763 Subpart E Appendix E; via EPA Method 600/R-93/116. This method utilizes polarized light microscopy.

4.4 Investigative-Derived Waste

Investigative-derived waste included soils removed from each test hole, field-screening samples, plastic bags, spent paper towels, and miscellaneous personal protective equipment (PPE). The small volume of soils removed from each test hole and the field-screening samples were replaced in their respective test holes upon completion of the soil sampling activities. Used paper towels, plastic bags, and PPE were disposed of as municipal waste.

5.0 EVALUATION OF LABORATORY DATA

The samples scheduled for RCRA metals and PCB analysis were shipped in a chilled cooler by BGES personnel under chain of custody protocol to Metiri in Clovis, California; an ADEC-approved laboratory for analyses. As an additional QC measure, four duplicate soil samples were collected and submitted "blindly" to Metiri for analysis. The samples scheduled for asbestos analysis were shipped in a box via

FedEx by BGES personnel under chain of custody protocol to EMSL in San Leandro, California.

Soil cleanup criteria for PCBs and RCRA Metals are obtained from ADEC 18 AAC 75.341, Table B1, Method 2, Migration to Groundwater values (October 18, 2023), except for PCBs which are obtained from the more stringent Under 40-inch Zone (referring to annual precipitation) Human Health Pathway (October 18, 2023). The regulatory level for TCLP Lead was obtained from 40 CFR 261.24. The ADEC has not promulgated a cleanup criterion for asbestos in soil.

Although their primary function is to evaluate data quality, the equipment blank samples were compared to the groundwater cleanup criteria obtained from ADEC 18 AAC 75.345, Table C (October 18, 2023).

The samples were uniquely labeled, for example H2-01-02-051925, by the HERC building, test hole, and depth interval they were collected from. For Sample H2-01-02-051925, the prefix “H2” indicates that this sample was collected from near HERC 2, “-01” indicates that this sample was collected from Test Hole 1, and “-02” indicates that this sample was collected from the second depth interval, and “-051925” indicates the month, day, and year when the sample was collected. The equipment blank samples were referred to as, for example, “EB01-051925”, where the prefix EB01 indicates the unique sample ID of the equipment blank and “-051925” indicates the month, day, and year when the sample was collected. For brevity in this report, the samples are referred to as, for example, H2-01-02 without the date.

Arsenic was detected in all soil samples at concentrations ranging from 0.069 mg/Kg to 37 mg/Kg. Although the arsenic concentrations in all samples, except for Sample H2-12-02, exceeded the ADEC cleanup criterion of 0.20 mg/Kg, the reported arsenic concentrations are within typical background concentrations observed within Alaska (Gough et al, 1988); therefore, it is our opinion that the reported detections are representative of background levels of arsenic and that arsenic should not be considered a contaminant of concern for this site.

PCB Aroclor 1260 was detected in Sample H1-28-01 at a concentration of 0.12 mg/Kg, which is below the ADEC cleanup criterion of 1 mg/Kg for migration to groundwater and below the TSCA definition of PCB bulk waste (50 mg/Kg).

Lead was detected in all soil samples, except for Sample H1-53-03, at concentrations ranging from 0.57 mg/Kg to 43 mg/Kg, below ADEC cleanup criterion for residential land use. Lead was detected in Sample H1-53-03 at a concentration of 190 mg/Kg, which is below the ADEC cleanup criterion but may be at a concentration that would be considered leachable. This sample was therefore also analyzed for TCLP lead to determine whether or not the lead within these soils may be leachable and whether or not the soils would potentially be hazardous when excavated during future remediation activities. This sample exhibited a

TCLP lead concentration of 0.34 milligram per liter (mg/L), which is below the RCRA-defined threshold of 5.0 mg/L. Based on this TCLP lead result, it appears that any soil remediated from this area in the future may not need to be managed as a hazardous waste after excavation.

All other RCRA metal analytes were either not detected or were detected at concentrations below ADEC cleanup criteria.

Asbestos was not detected in either soil sample that was submitted to the laboratory.

The analytical results of the samples are presented in Tables 2 and 3, and soil samples results are shown on Figures 7 and 8.

The analytical concentrations of lead were compared to their associated x-ray fluorescence (XRF) field screening detections and sample moisture content to determine if there is a correlation between the field screening results and the analytical results. No correlation is apparent and the moisture content does not appear to play a factor, indicating poor field screening accuracy. These data are shown on Table 4.

Copies of the laboratory data packages are included in Appendix D.

6.0 LABORATORY DATA QUALITY

Data quality was reviewed in accordance with ADEC guidance and standard industry practices. ADEC laboratory data review checklists were completed for the Metiri work orders, and the checklists are included in Appendix E. The checklists provide an overview of the quality of the laboratory data. The following is a discussion of our evaluation of sample conditions and laboratory procedures for the soil samples collected during the May 2025 sampling activities.

The soil sample containers were labeled, placed in an ice-filled cooler, and shipped via Alaska Airlines Goldstreak along with chain-of-custody documentation to Metiri in Clovis, California. The samples contained the proper preservatives for the requested analyses. A case narrative was included in the laboratory reports and several quality control (QC) failures were identified and are evaluated below.

6.1 Laboratory Data Package 25E0110

The cooler arrived at the laboratory in good condition, and the temperature of the sample cooler that contained the soil samples was measured at the time of receipt to be 3.8 degrees Celsius, which is within the ADEC-prescribed optimal range of 0 to 6 degrees Celsius. The samples for mercury analyses were subcontracted to SGS North America (SGS) and received at their Orlando laboratory at a temperature of 3.0 degrees Celsius, which is also within the ADEC-prescribed optimal range of 0 to 6 degrees Celsius. No data quality issues were described in the SGS case narrative associated with the mercury analyses.

The surrogate decachlorobiphenyl associated with analysis of PCBs (EPA Method 8082A) for Sample H2-05-02, recovered below the laboratory's acceptance limit indicating the potential for the PCB concentrations in this sample to be biased low. However, because all of the PCB congener concentrations were non-detectable at a practical quantitation limit (PQL) that was one order of magnitude below the ADEC cleanup criterion, it is our opinion that this QC failure does not affect our interpretation of the data.

Silver was detected above the PQL in the Laboratory Blank Sample, indicating the potential for this analyte to be biased high in the associated laboratory samples. Therefore, the silver concentrations in the project samples are qualified with a "J" in Table 2, and should be considered estimates. However, because the silver concentrations in all project samples were detected at concentrations that were at least one order of magnitude below the ADEC cleanup criterion, it is our opinion that this QC failure does not affect our interpretation of the data.

The matrix spike (MS) and the MS duplicate (MSD) samples associated with analysis of metals (EPA 6020B) derived from Sample 25E0110-15, exhibited barium recoveries that were below and above, the laboratory's acceptance limits, respectively, indicating the potential for the barium concentrations in the project samples to be biased. Therefore, the barium concentrations in the project samples are qualified with a "J" in Table 2, and should be considered estimates. Because the barium concentrations in all project samples were detected at concentrations that were at least one order of magnitude below the ADEC cleanup criterion, it is our opinion that this QC failure does not affect our interpretation of the data.

Sample H2-09-04 was a duplicate of Sample H2-09-01 and was collected to evaluate field-sampling precision. The relative percent differences (RPDs) for the metals ranged from 4 to 43 percent, indicating acceptable field-sampling precision. RPDs could not be calculated for PCB analytes because they were all non-detectable.

Sample H2-10-04 was a duplicate of Sample H2-10-03 and was collected to evaluate field-sampling precision. The RPDs for the metals ranged from 4 to 44 percent, indicating acceptable field-sampling precision. RPDs could not be calculated for PCB analytes because they were all non-detectable.

6.2 Laboratory Data Package 25E0111

The cooler arrived at the laboratory in good condition, and the temperature of the sample cooler that contained the soil samples was measured at the time of receipt to be 3.8 degrees Celsius, which is within the ADEC-prescribed optimal range of 0 to 6 degrees Celsius. The samples for mercury analyses were subcontracted to SGS and received at their Orlando laboratory at a temperature of 3.0 degrees Celsius, which is also within the ADEC-prescribed optimal range of 0 to 6 degrees Celsius. The report was revised to include the results of TCLP- Lead analysis for Sample H1-53-03. Data quality issues were described in both the Metiri and SGS case narratives and are discussed below.

The MS sample associated with analysis of metals (EPA 6020B) derived from Sample H1-35-03 exhibited a chromium concentration that was slightly below the laboratory's acceptance limits, indicating the potential for the chromium concentrations in the project samples to be biased low. Therefore, the chromium concentrations in the project samples are qualified with a "J" in Table 2 and should be considered estimates. Because the chromium concentrations are assumed to be indicative of chromium III and were consistent within the range of 17 to 35 mg/Kg, which in our opinion is indicative of background chromium concentrations and well below the ADEC chromium III cleanup criterion in all project sample, it is our opinion that this QC failure does not affect our interpretation of the data.

SGS reported that the MS/MSD recoveries for mercury analyses (EPA Method 7471B) were outside of the laboratory's acceptance criteria, indicating the potential for the mercury concentrations in the project samples to be biased. However, because the MS/MSD samples were prepared from soils from a different project, it is our opinion that this QC failure does not affect our interpretation of the data.

SGS reported that the laboratory duplicate sample and the serial dilution duplicate sample (EPA Method 7471B) RPDs exceeded the laboratory's acceptance criteria, indicating the potential for the mercury concentrations in the project samples to be biased. Therefore, the detected mercury concentrations in the project samples are qualified with a "J" in Table 2 and should be considered estimates. However, mercury was either not detected above PQLs at least 10 percent less than ADEC cleanup criterion, or mercury concentrations were detected at least 27 percent below the ADEC cleanup criterion (except for Sample H1-53-03); therefore, for these samples, it is our opinion that this QC failure does not affect our interpretation of the data. Sample H1-53-03 exhibited a mercury concentration that was only about 2.8 percent below the ADEC cleanup criterion; therefore, it cannot be determined if this concentration actually exceeds the ADEC cleanup criterion. We have included the mercury result for this sample on Figure 8 with a note to this effect.

Sample H1-38-04 was a duplicate of Sample H1-38-02 and was collected to evaluate field-sampling precision. The RPDs for the metals ranged from 3 to 23 percent indicating acceptable field-sampling precision.

Sample H1-43-04 was a duplicate of Sample H1-43-03 and was collected to evaluate field-sampling precision. The RPDs for the metals ranged from 4 to 30 percent indicating acceptable field-sampling precision.

6.3 Laboratory Data Package 25E0112

Two equipment blanks were collected during the sampling activities to evaluate the potential for cross-contamination from field equipment. The cooler arrived at the laboratory in good condition, and the temperature of the sample cooler that contained the soil samples was measured at the time of receipt to be 3.8 degrees Celsius, which is within the ADEC-prescribed optimal range of 0 to 6 degrees Celsius. The samples for mercury analyses were subcontracted to SGS and received at their Orlando laboratory at a temperature of 3.0 degrees Celsius, which is also within the ADEC-prescribed optimal range of 0 to 6 degrees Celsius. Data quality issues were described in both the APPL and SGS case narratives and are discussed below.

Equipment Blank EB01 was collected on May 19, 2025, and exhibited concentrations of barium [0.61 micrograms per liter (µg/L)] and chromium (0.81 µg/L), which were between the PQLs and the MDLs. Because these analytes were detected in the Equipment Blank EB01 sample collected on May 19, 2025, the reported concentrations of these analytes within the project samples collected on this same date are qualified with a “J” in Table 2 and should be considered estimated.

Equipment Blank EB02 was collected on May 21, 2025. Sample EB02 exhibited concentrations of barium (1.9 µg/L) and chromium (0.52 µg/L) which were between the PQLs and the MDLs. Because these analytes were detected in the Equipment Blank EB02 sample collected on May 21, 2025, the reported concentrations of these analytes within the project samples collected on this same date are qualified with a “J” in Table 2 and should be considered estimated.

The MS recoveries for barium and lead (EPA Method 6020B) were slightly below the laboratory’s acceptance criteria, indicating the potential for these analytes to be biased low in the project samples. Lead was not detected in either sample at MDLs that were at least one order of magnitude below the ADEC cleanup criterion. The detected concentrations of barium are qualified with a “J” in Table 3 and should be considered estimates; however, barium was detected at concentrations that were at least three orders of magnitude below the ADEC cleanup criterion. Therefore, it is our opinion that this QC failure does not affect our interpretation of the data. The MSD recoveries for cadmium and chromium slightly exceeded the laboratory’s acceptance criteria, indicating the potential for these analytes to be biased high in the project samples. Because cadmium was not detected above MDLs that were less than the ADEC cleanup criterion and because the detected concentrations of chromium were below the ADEC cleanup criterion (assuming chromium III to be the appropriate cleanup criterion), it is our opinion that this QC failure does not affect our interpretation of the data.

The RPD for the MS/MSD sample pair (EPA Method 6020B) exceeded the laboratory's acceptance criteria, indicating the potential for the arsenic, cadmium, and chromium concentrations in the project samples to be biased. Therefore, the detectable concentrations of chromium in the project samples are qualified with a "J" in Table 3 and should be considered estimates. However, arsenic and cadmium were not detected at MDLs that were at least 40 percent below ADEC cleanup criteria, and chromium was detected at concentrations at least five orders of magnitude below the ADEC cleanup criterion (assuming chromium III to be the appropriate cleanup criterion); therefore, it is our opinion that this QC failure does not affect our interpretation of the data.

SGS reported that the percent recovery of mercury in the MS sample was below the laboratory's acceptance criteria, indicating the potential for this analyte to be biased low in the project samples. In addition, the RPD for the MS/MSD sample pair exceeded the laboratory's acceptance criteria, indicating the potential for the mercury concentrations in the project samples to be biased. However, because the mercury results were non-detectable and because these samples were equipment blanks, it is our opinion that this QC failure does not affect our interpretation of the data.

7.0 CONCEPTUAL SITE MODEL

A graphic conceptual site model detailing the potential exposure media, transport mechanisms, exposure pathways, and human receptors for suspected contamination at this site was prepared and is included in Appendix F. The media identified at the site which may have been impacted includes surface soils. The transport mechanisms through which contamination may have, or might potentially mobilize, were identified as migration to subsurface soil. Commercial workers, construction workers, site visitors, trespassers, and/or recreational users might be at risk of exposure through the following pathways: ingestion of soil, dermal absorption of contaminants from soils, and inhalation of fugitive dust.

8.0 CONCLUSIONS

According to the DBAC Application, the City of Homer purchased the HERC Buildings, HERC 1 and HERC 2, during July of 2000 from the KPB, which had previously used them as a school. The buildings were constructed in the 1950s, before statehood, when construction with hazardous building materials (HBMs) was commonplace. HERC 1 is a mixed office space and community gym, and HERC 2 is abandoned due to structural concerns. The subject property is listed in the ADEC Contaminated Sites database, under File Number 2314.38.043 and Hazard I.D. Number: 27933.

Between May 19 and 21, 2025, BGES hand-dug 54 test holes to a maximum depth of 2 feet bg around the perimeters of the two buildings present on the subject property, including 17 test holes surrounding HERC

2 and 37 test holes surrounding HERC 1. A total of 158 field screening samples were collected from various depths within the test holes and analyzed using an XRF to field screen for the presence of lead in the soils. A total of 44 samples (including four duplicate samples) were collected from the locations that exhibited the greatest XRF results and were submitted for laboratory analysis. No staining or odors were observed in any of the test holes. Groundwater was not encountered in any of the test holes.

Up to three field screening samples were collected from each test hole, for a total of 158 field screening samples. XRF readings ranged from (effectively) non-detect to 154 ppm. A total of 40 analytical samples were selected for analysis of RCRA metals with an additional four duplicate samples collected as a QC measure. Nine of the soil samples, including one duplicate sample pair, were also analyzed for PCBs based on their proximity to a transformer, window, or door. The soil samples were analyzed by Metiri, an ADEC-approved laboratory. In addition, two soil samples collected near the entrances to HERC 2 were analyzed for asbestos by EMSL, an ADEC-approved laboratory.

Arsenic was detected in all soil samples at concentrations exceeding the ADEC cleanup criterion; however, arsenic is a naturally occurring metal, the reported concentrations are within typical background concentrations observed within Alaska, and there is no evidence of anthropogenic origins for the arsenic. Therefore, it is our opinion that these detections are representative of background levels of arsenic and that arsenic should not be considered a contaminant of concern for this site.

Lead was detected in all soil samples, except for Sample H1-53-03, at concentrations ranging from 0.057 mg/Kg to 43 mg/Kg, below ADEC cleanup criterion for residential land use. Lead was detected in Sample H1-53-03 at a concentration of 190 mg/Kg, which is below ADEC cleanup criterion but may be at a concentration that would be considered leachable. This sample was therefore also analyzed for TCLP lead to determine whether or not the lead within these soils may be leachable and whether or not the soils would potentially be hazardous when excavated during future remediation activities. This sample exhibited a TCLP lead concentration of 0.34 mg/L, which is below the RCRA-defined threshold of 5.0 mg/L. Based on this TCLP lead result, it appears that any soil remediated from this area in the future may not need to be managed as a hazardous waste after excavation.

PCBs were only detected in H1-28-01 as Aroclor 1260 at 120 μg/kg, which represents a concentration well below the definition of TSCA definition of PCB bulk waste and also below the ADEC Human Health cleanup criterion. However, Alaska landfills do not currently accept material containing any detections of PCBs. Therefore, if the soils in this area are to be excavated, arrangements may be needed to transport the material to a state in the lower-48 states that can accept PCB-containing materials.

Asbestos was not detected in either soil sample that was submitted to the laboratory. No other analytes were detected at concentrations exceeding ADEC cleanup criteria. Based on these results, BGES did not identify any site-related contamination in the soils at the subject property.

The excavated soils were temporarily staged next to their respective test pits and were returned to their respective holes upon completion of field activities on May 21, 2025.

BGES also performed a data gap analysis of the existing HBMI reports and compiled a table and figures showing the hazardous building materials for each building. It is our opinion that not enough LBP testing was performed in either building. It is also our opinion that not enough potentially PCB-containing building material samples were collected for analysis from HERC 1.

Both buildings lack complete TCLP determinations. Building materials containing PCBs are not acceptable at any landfills in Alaska. Further testing for LBP and PCBs will likely be required prior to demolition and disposal of the building debris to determine whether they are hazardous waste.

A copy of this HBMI report is included in Appendix A. Proposed cleanup alternatives are discussed in the *Analysis of Brownfields Cleanup Alternatives*, prepared under separate cover to this report.

9.0 EXCLUSIONS AND CONSIDERATIONS

This report presents facts, observations, and inferences based on conditions observed during the period of our project activities, and only those conditions that were evaluated as part of our scope of work. Our conclusions are based solely on our observations made and work conducted, and only apply to the immediate vicinities of the locations where samples were collected. In addition, changes to site conditions may have occurred since the completion of our project activities. These changes may be from the actions of man or nature. Changes in regulations may also impact the interpretation of site conditions. BGES will not disclose our findings to any parties other than our client as listed above, except as directed by our client, or as required by law.

The fieldwork described in this report was performed by Lisa Vitale, Environmental Scientist II, and Javier Acuna, Environmental Scientist I, of BGES. Ms. Vitale and Mr. Acuna are QEPs as defined by the ADEC. This report was prepared by Emily Adler, Environmental Scientist I, and Lisa Vitale, Environmental Scientist II, of BGES. This report was reviewed by Robert Braunstein, a Principal Geologist of BGES and a QEP as defined by the ADEC. Robert Braunstein has more than 45 years of geological and environmental consulting experience and has conducted and managed thousands of site characterization and remediation projects throughout Alaska and the lower 48 states.

Prepared by:	Prepared by:	Approved by:
Emily Adler	Lisa Vitale	Robert N. Braunstein, C.P.G.; P.G.
Environmental Scientist I	Environmental Scientist II	Principal Geologist

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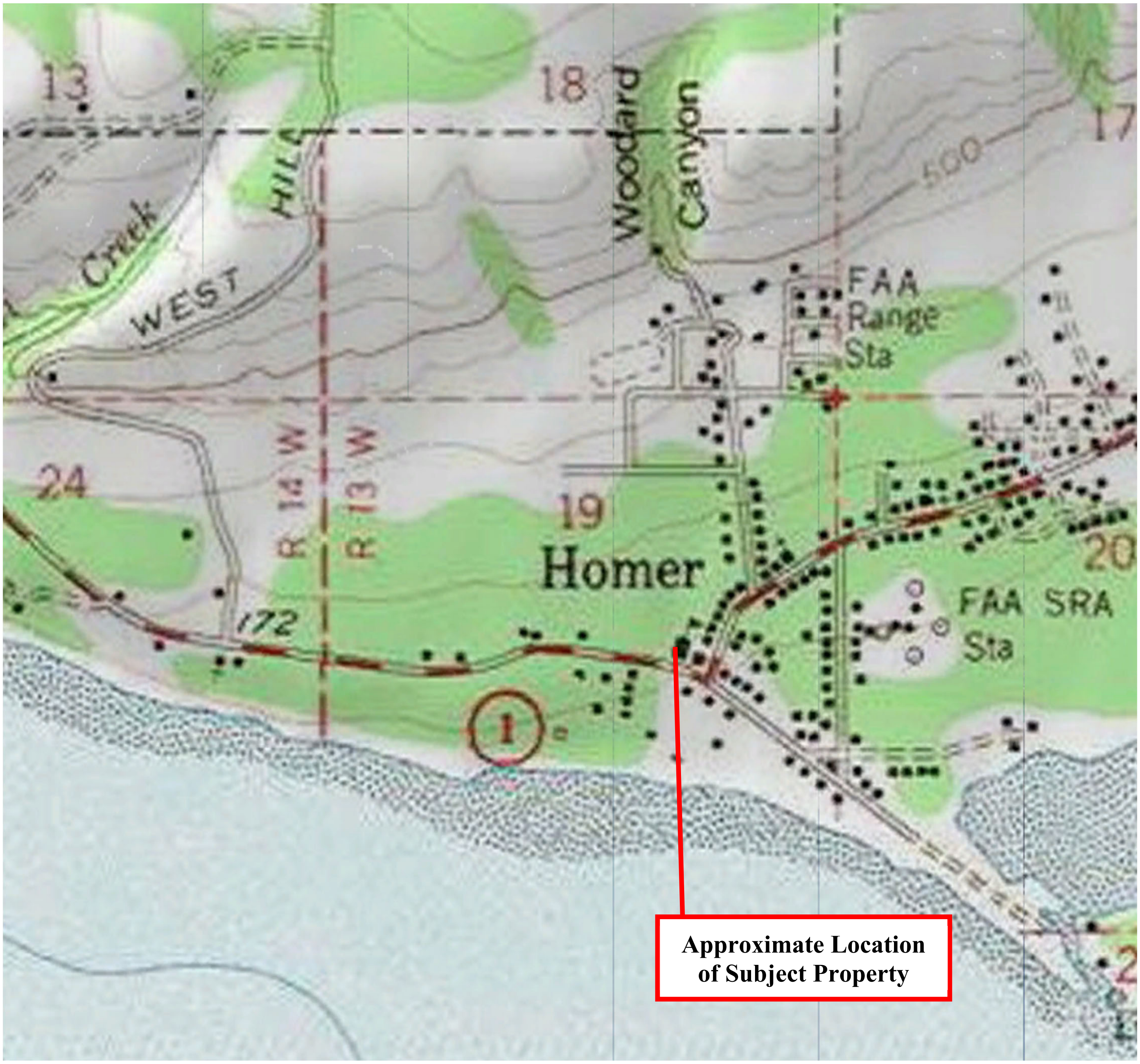


Source: Google Earth Pro ©

0 0.25 0.5 1

Approximate Scale in Miles

Homer HERC Buildings
Homer, Alaska

Site Vicinity Map

BGES, INC.	August 2025	Figure 1

Source: Google Earth Pro ©

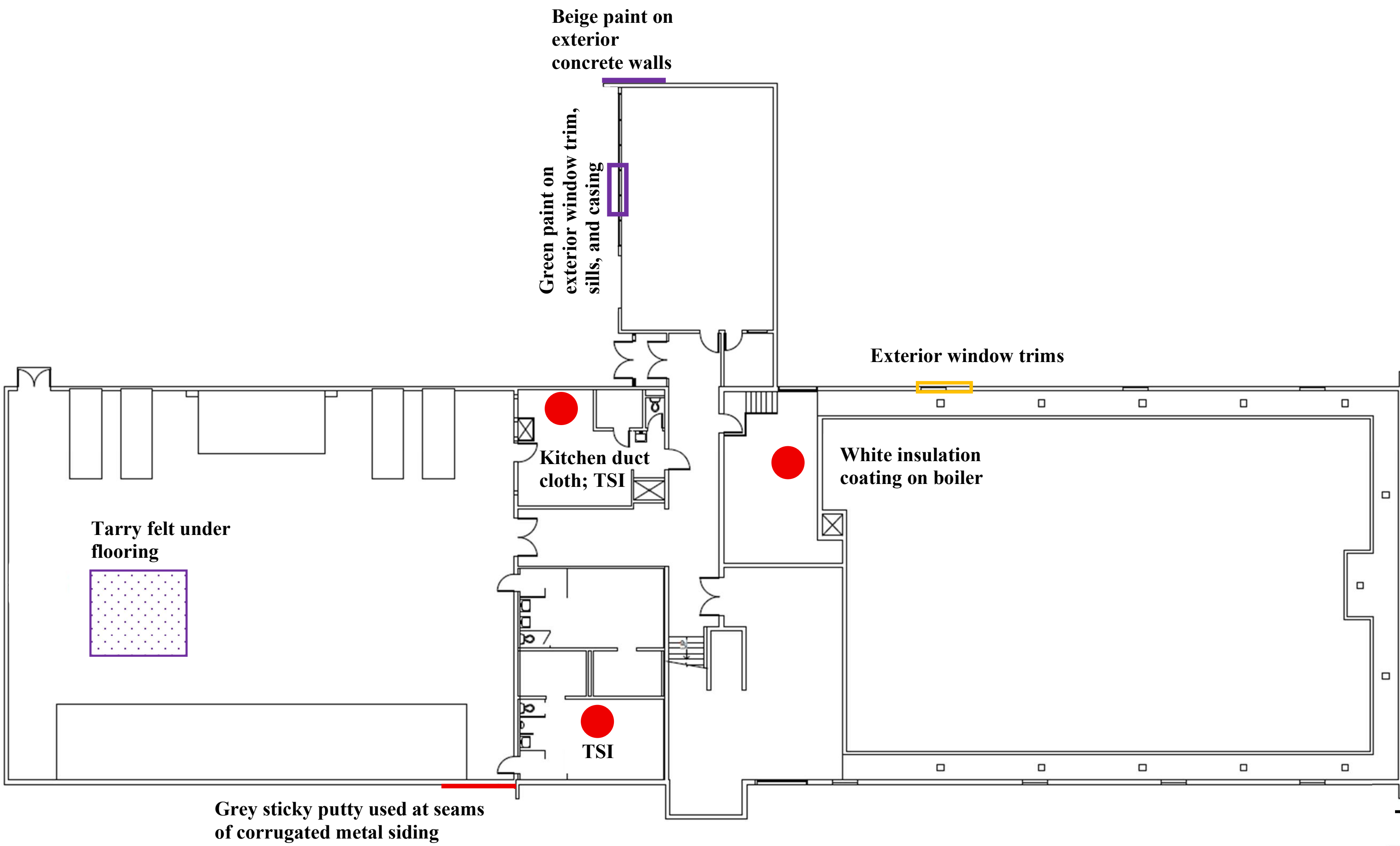
0 50 100 200

Approximate Scale in Feet

N

Homer HERC Buildings
Homer, Alaska
Site Map

BGES, INC.	**August 2025**	**Figure 2**



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

Building Component Contains

	Asbestos	LBP	PCBs
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Homer HERC Buildings

Homer, Alaska

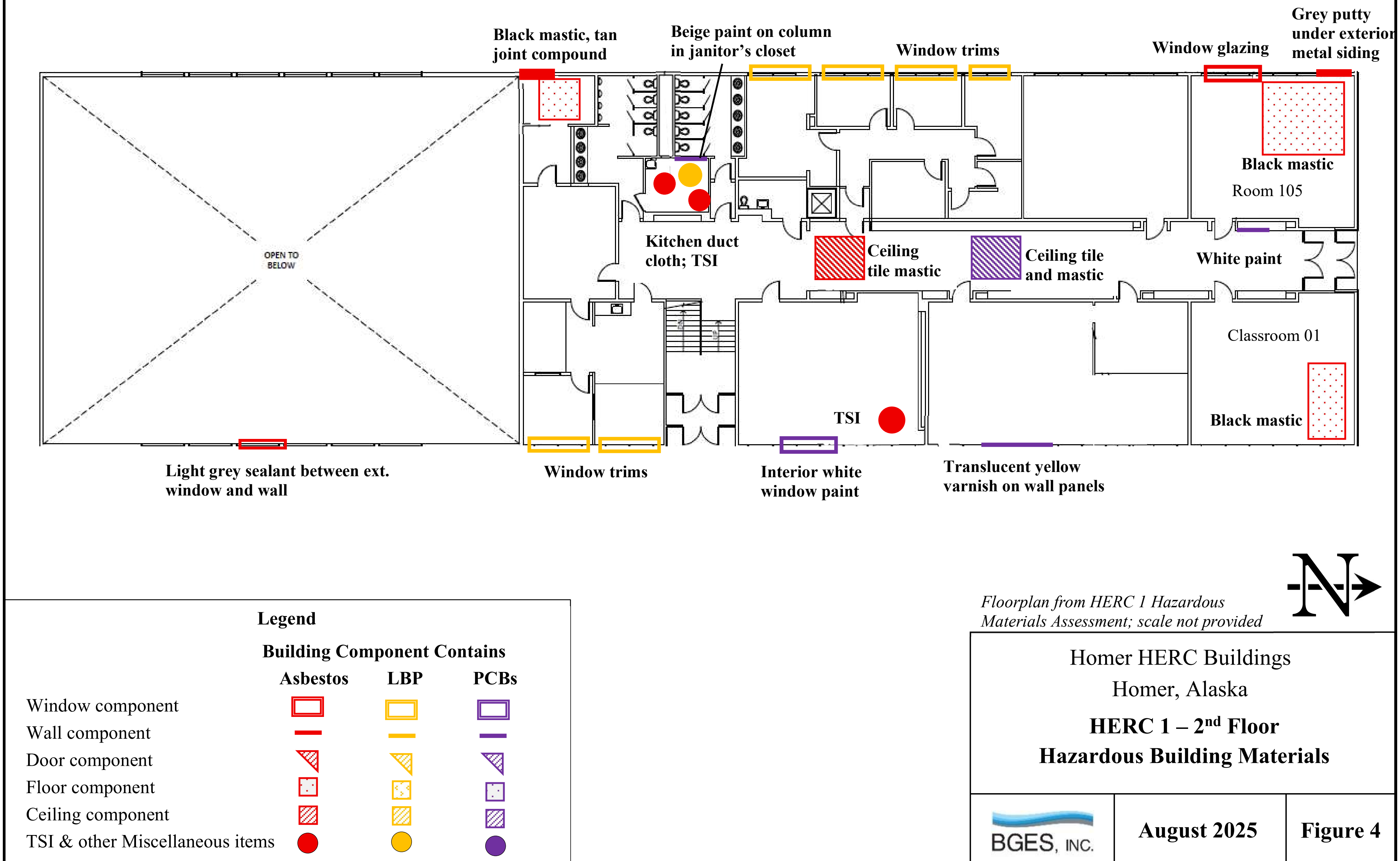
HERC 1 – 1st Floor

Hazardous Building Materials

BGES, INC.

August 2025

Figure 3

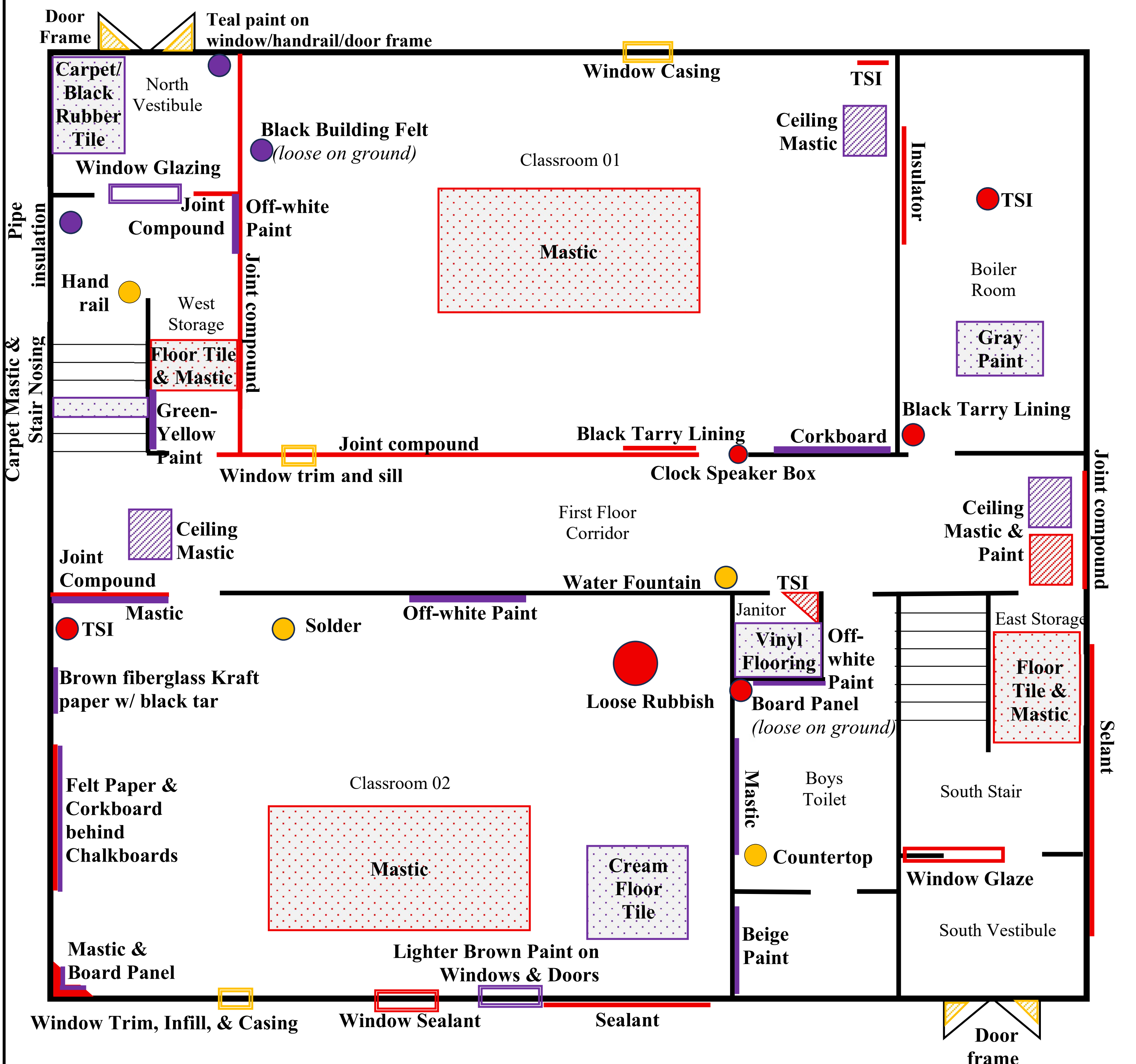


Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Homer HERC Buildings
Homer, Alaska

HERC 1 – 2nd Floor
Hazardous Building Materials

BGES, INC. | **August 2025** | **Figure 4**



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

Building Component Contains

	Asbestos	**LBP**	**PCBs**
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

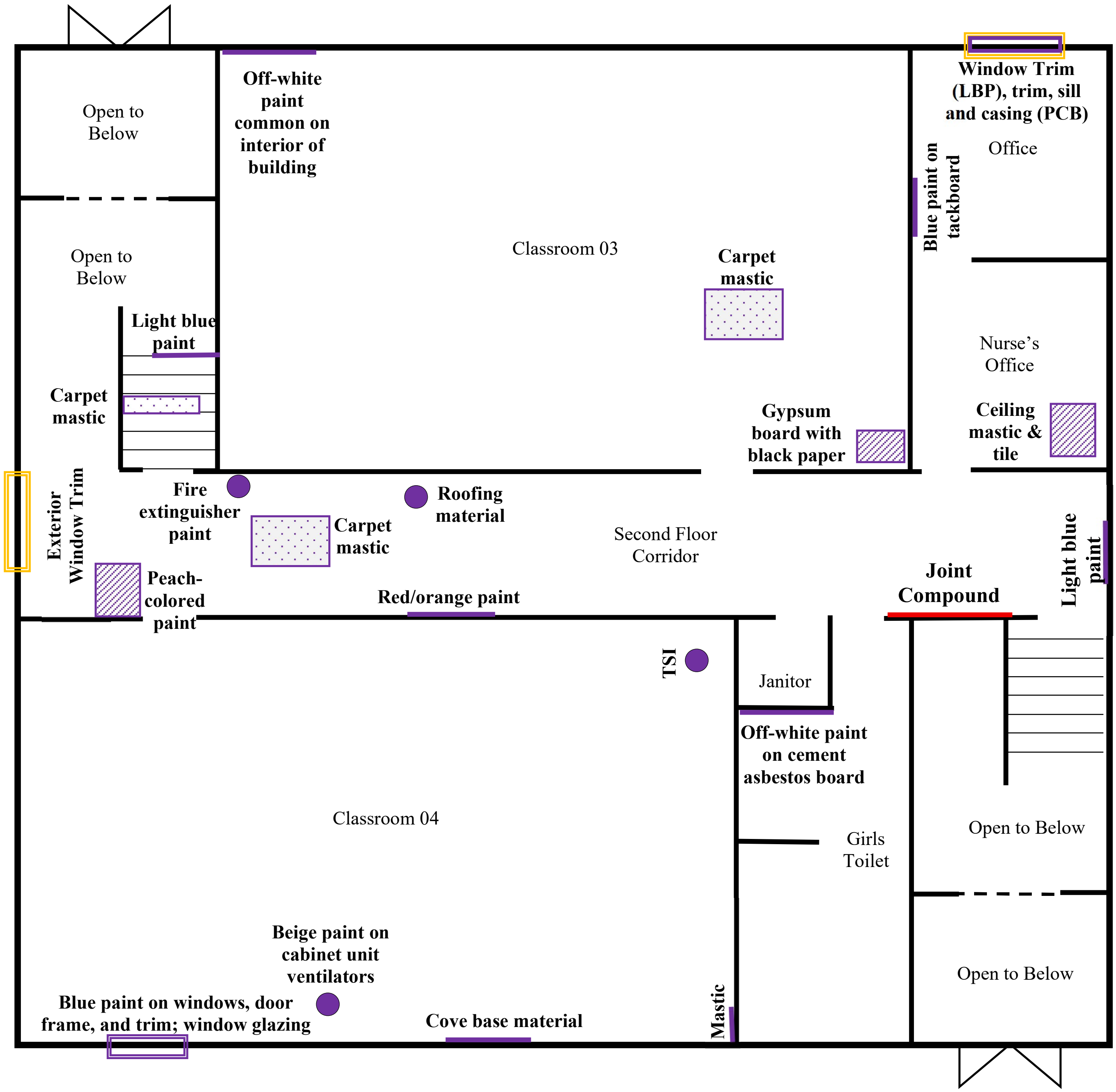
Homer HERC Buildings
Homer, Alaska

HERC 2 – 1st Floor
Hazardous Building Materials

BGES, INC. ENVIRONMENTAL CONSULTANTS

August 2025

Figure 5



Legend

Building Component Contains

	Asbestos	**LBP**	**PCBs**
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

N

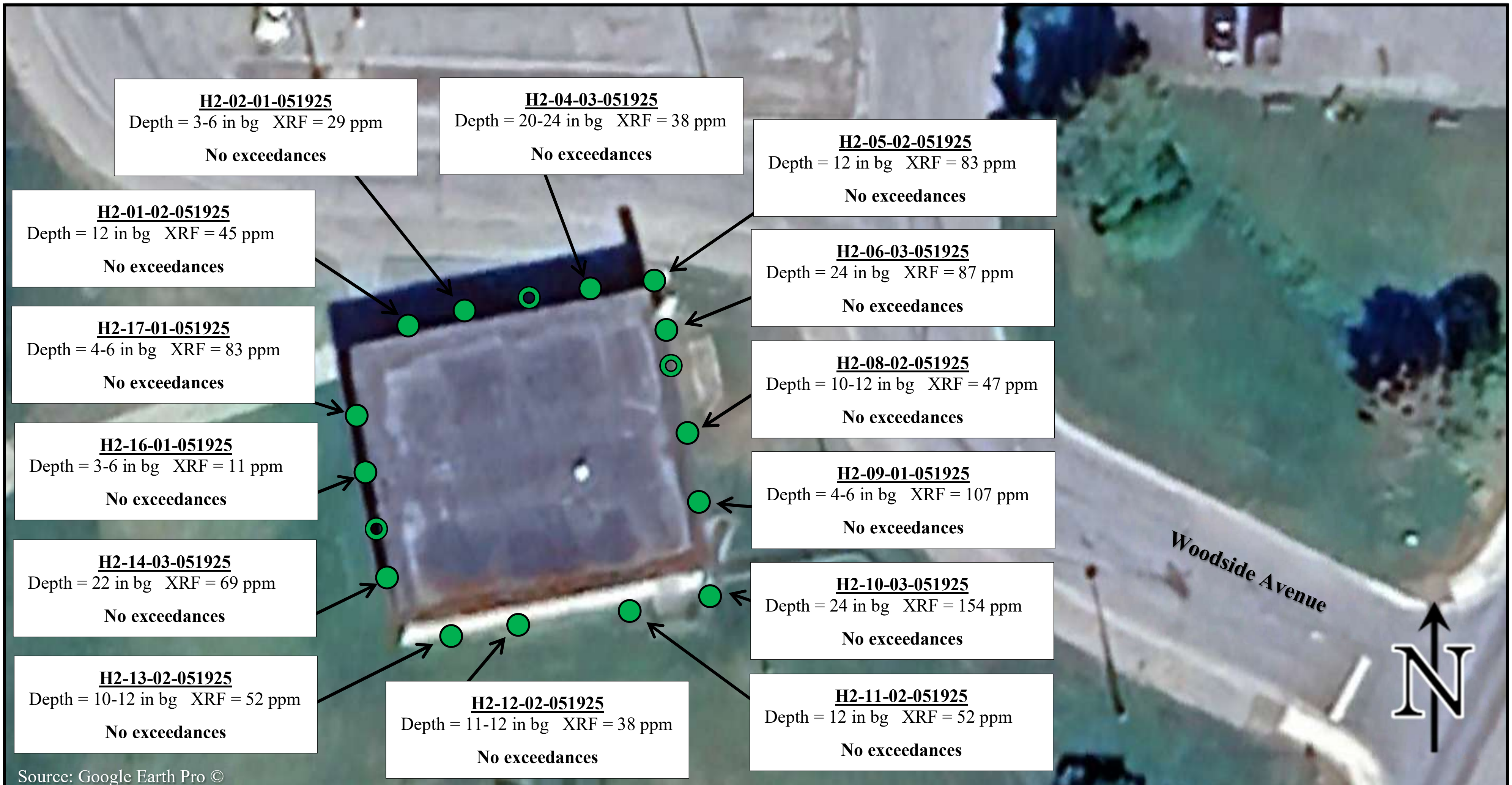
Homer HERC Buildings
Homer, Alaska

HERC 2 - 2nd Floor
Hazardous Building Materials

BGES, INC. ENVIRONMENTAL CONSULTANTS

August 2025

Figure 6



LEGEND

- Approximate Test Hole Location where samples were selected for analysis, soil sample results were below ADEC cleanup criteria for migration to groundwater[1] and for residential land use for lead
- Approximate Test Hole Location where samples were not selected for analytical analysis; XRF Field Screenings were ≤ 8 ppm

[1]Arsenic was detected in all analytical samples, except for Sample H2-12-02-051925, at concentrations exceeding ADEC cleanup criteria for migration, but at levels consistent with background concentrations

ADEC = Alaska Department of Environmental Conservation; in bg = inches below grade; ppm = parts per million; XRF = x-ray fluorescence

0 25 50 100

Approximate Scale in Feet

Homer HERC Buildings
Homer, Alaska

Test Hole Locations & Soil Sample Results – HERC 2

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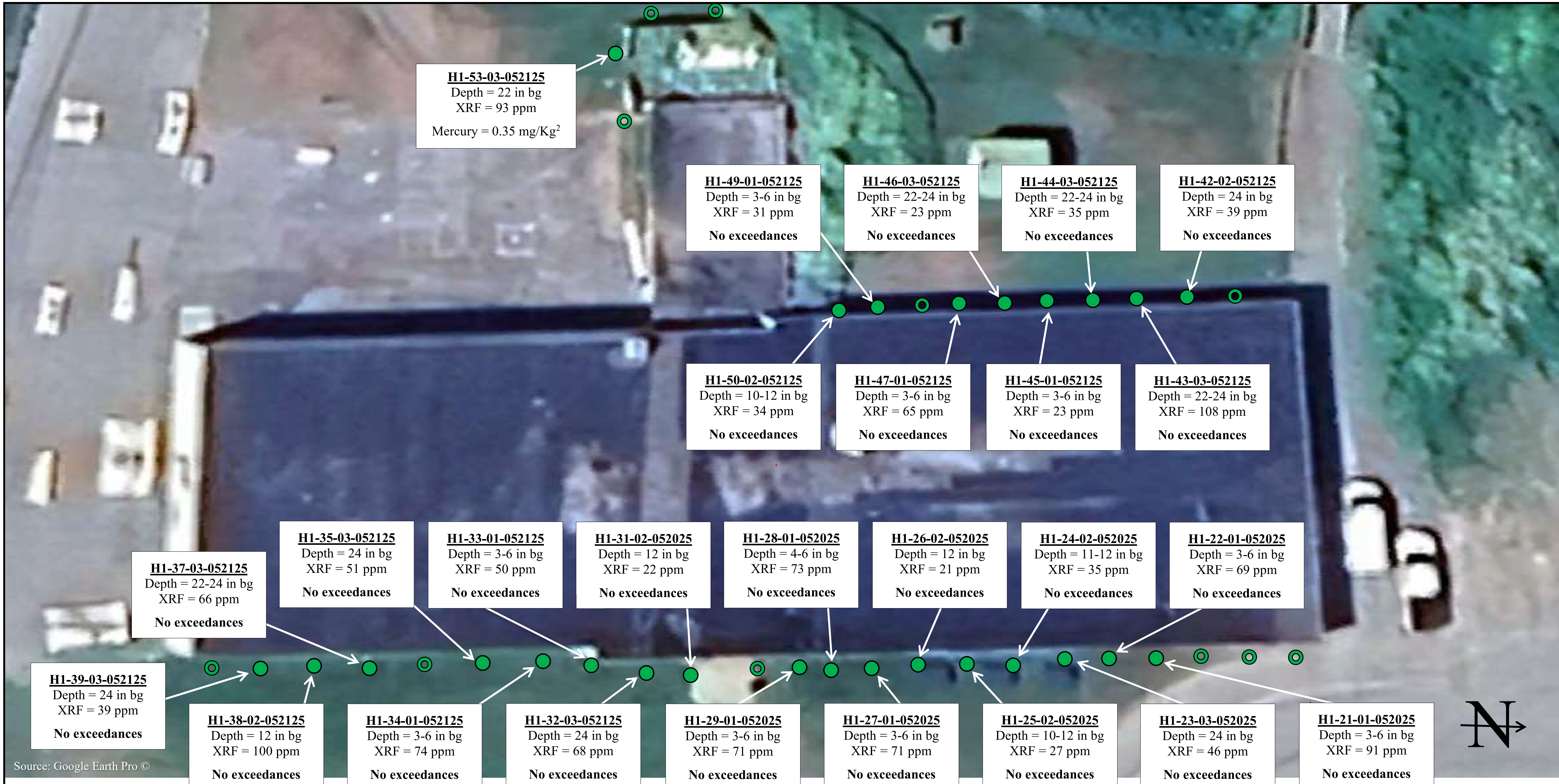
August 2025

Figure 7



0 25 50 100

Approximate Scale in Feet

LEGEND

- Approximate Test Hole Location where samples were selected for analysis, soil sample results were below ADEC cleanup criteria for migration to groundwater[1] and for residential land use for lead
- Approximate Test Hole Location where samples were not selected for analytical analysis; XRF Field Screenings were ≤ 9 ppm

[1]Arsenic was detected in all analytical samples at concentrations exceeding ADEC cleanup criteria for migration, but at levels consistent with background concentrations

[2]Mercury was detected in this sample at a concentration about 2.8 percent below ADEC cleanup criterion for migration to groundwater; however, this sample may be biased low and it cannot be determined if this concentration actually exceeds the ADEC cleanup criterion

ADEC = Alaska Department of Environmental Conservation; in bg = inches below grade; mg/Kg = milligrams per kilogram; ppm = parts per million; XRF = x-ray fluorescence

Homer HERC Buildings
Homer, Alaska

Test Hole Locations & Soil Sample Results – HERC 1

BGES, INC.
ENVIRONMENTAL CONSULTANTS

August 2025

Figure 8

TABLE 1
HAZARDOUS BUILDING MATERIALS INVENTORY

Material Description	Hazardous Material PCBs	Asbestos	LBP	Location within Building Level	Room	Appr. Sq Ft or Num. of items	HBMI Report Year	Sample ID
Homer HERC 1								
Exterior walls			1.1-2.7 mg/cm^2	Exterior	Exterior Walls		2025	616, 617, 620, 622, 638
Exterior wall beige paint	0.90 mg/Kg			Exterior	Exterior wall on west wing		2023	HERC1-0523-P17
Grey sticky putty used at the seams of the exterior corrugated metal siding		1.2% Chrysotile		Exterior	Exterior seams of metal siding		2023	HERC1-0523-A04
Hard light grey sealant used between exterior window frames and wall openings		*0.5% Chrysotile*		Exterior	Exterior windows		2023	HERC1-0523-A05
Exterior window green paint trim	34.1 mg/Kg			Exterior	Exterior windows		2023	HERC1-0523-P21
All windows			1.0-4.4 mg/cm^2	Both	Building	~ 20 windows	2025	See 2025 HBMI
Exterior door to multi purpose room - green paint			1.3 mg/cm^2	Exterior	Door		2025	640
Roof trim on west wing - brown paint			1.5 mg/cm^2	Exterior	Roof trim		2025	628
White woven flexible duct connector cloth		35% Chrysotile		1st	Kitchen - exhaust duct		2023	HERC1-0523-A06
White insulation wrapping around Pipe Elbow		30% Amosite		1st	Boiler Room	200	2020	HERC1-058
White insulation wrapping around Boiler		20% Chrysotile		1st	Boiler Room	200	2020	HERC1-064
White insulation wrapping around Boiler		20% Chrysotile		1st	Boys Dressing Room		2020	HERC1-065
Heavy weight tar impregnated felt under wooden MPR floor	1.3 mg/Kg			1st	Multi-purpose Room		2023	HERC1-0523-P13
Black mastic in floor tiling		2.6% Chrysotile		2nd	Room 107		2020	HERC1-008
Black mastic in floor tiling		2.9% Chrysotile		2nd	Room 108		2020	HERC1-012
Off-white insulation wrapping around Pipe Elbow		80% Chrysotile		2nd	Garden Room		2020	HERC1-024
Black mastic in floor tiling		3.8% Chrysotile		2nd	Janitor Closet		2020	HERC1-030
Off-white joint compound		1.9% Chrysotile		2nd	Janitor Closet	420	2020	HERC1-031
Off-white joint compound		3.4% Chrysotile		2nd	Janitor Closet	420	2020	HERC1-031
Off-white joint compound		2.1% Chrysotile		2nd	Janitor Closet	420	2020	HERC1-032
Beige paint in janitor closet outside of men's bathroom, #119	12.3 mg/Kg			2nd	Janitor Closet		2023	HERC1-0523-P23
Shelves			2.5-4.0 mg/cm^2	2nd	Janitor Closet	> 5 shelves	2025	419 - 422
Shelf support			2.2 mg/cm^2	2nd	Janitor Closet	< 10 sq ft	2025	423
Black mastic in floor tiling		2.4% Chrysotile		2nd	Fan Room		2020	HERC1-035
Off-white insulation wrapping around Pipe Elbow		50% Chrysotile		2nd	Fan Room		2020	HERC1-037
Tan joint compound		2.7% Chrysotile		2nd	Fan Room	400	2020	HERC1-038
Light tan joint compound		1.5% Chrysotile		2nd	Fan Room	400	2020	HERC1-038
Hard grey-brown window glazing compound		1% Chrysotile		2nd	Room 105		2023	HERC1-0523-A01
Dark brown mastic for glued-on ceiling tiles	1.7 mg/Kg	*0.25% Chrysotile*		2nd	Hallway		2023	HERC1-0523-A10; HERC1-0523-P08
Ceiling tiles	0.54 mg/Kg			2nd	Hallway		2023	HERC1-0523-P07

TABLE 1
HAZARDOUS BUILDING MATERIALS INVENTORY

Material Description	Hazardous Material PCBs	Asbestos	LBP	Location within Building Level	Room	Appr. Sq Ft or Num. of items	HBMI Report Year	Sample ID
Homer HERC 1								
White window paint - interior	1.1 mg/Kg			2nd	Room 110		2023	HERC1-0523-P10
Translucent yellow varnish on birch wall panels	4.9 mg/Kg			2nd	Room 108		2023	HERC1-0523-P14
White paint on interior "Marlite" wall panels	1.0 mg/Kg			2nd	Hallway		2023	HERC1-0523-P24/P34
Homer HERC 2								
Grey cement board		20% Chrysotile		Exterior	Loose material on ground		2023	HERC2-1022-A01
Black mastic for cement board		6.5% Chrysotile		Exterior	Loose material on ground		2023	HERC2-1022-A01
Hard light grey sealant remnant which appears to have been used between the former building on the east and the existing building		1.2% Chrysotile		Exterior	East exterior wall		2023	HERC2-1022-A04
Light grey gummy sealant used at expansion joint in poured concrete wall		1.4% Chrysotile		Exterior	South exterior wall		2023	HERC2-1022-A08
Hard white sealant used between exterior wood window and louver trim and poured concrete window sill		3.8% Chrysotile		Exterior	South exterior wall		2023	HERC2-1022-A09
Hard light grey window glazing compound	0.27 mg/Kg	1.1% Chrysotile		Exterior	South & North Vestibule Windows		2023	HERC2-1022-A47 / 48 HERC2-0523-P11
Window casing (brown paint)			1.350 mg/cm^2	Exterior	Outside Classroom 1; Western Window		2023	LR 91
Door frame (brown paint)			1.880 mg/cm^2	Exterior	South entrance door		2023	LR 103
Door frame (Teal paint common on vestibule windows, handrails on stairs, and various other door frames)	5.4 mg/Kg			Exterior	North entrance door		2023	HERC2-0523-P64
Window casing (brown paint)			1.250 mg/cm^2	Exterior	Outside Classroom 2, Western Window		2023	LR 110
Window trim (brown paint)			1.570 mg/cm^2	Exterior	Outside Second Floor Corridor		2023	LR 113
Window trim (brown paint)			2.030 mg/cm^2	Exterior	Outside Second Floor Corridor		2023	LR 114
Black felt roofing membrane with crispy black hot-mop tar	mg/Kg			Exterior	Roof		2023	HERC2-0523-P61
Black felt roofing membrane with crispy black hot-mop tar	5.2 mg/Kg			Exterior	Roof		2023	HERC2-0523-P73
Crispy black hot-mop tar	1.0 mg/Kg			Exterior	Roof		2023	HERC2-0523-P75
Grey floor tile		2.4% Chrysotile		1st	North Stairwell Storage		2020	HERC2-006
Black mastic in floor tiling		5.6% Chrysotile		1st	North Stairwell Storage		2020	HERC2-006
White joint compound		1.2% Chrysotile		1st	North Vestibule		2023	HERC2-1022-A23
Door frame			2.960 mg/cm^2	1st	North Vestibule		2023	LR 5
Handrail to stairs			5.740 mg/cm^2	1st	North Vestibule		2023	LR 11

TABLE 1
HAZARDOUS BUILDING MATERIALS INVENTORY

Material Description	Hazardous Material PCBs	Asbestos	LBP	Location within Building Level	Room	Appr. Sq Ft or Num. of items	HBMI Report Year	Sample ID
Homer HERC 2								
Carpet, black rubber tile type at vestibules, landings, and stairways	1.5 mg/Kg			1st	North Vestibule		2023	HERC2-0523-P58
White paper and reinforced foil pipe insulation wrap	0.29 mg/Kg			2nd	North Stairwell		2023	HERC2-0523-P02
Orange-brown carpet mastic	2.91 mg/Kg			2nd	North Stairwell		2023	HERC2-0523-P27
Black rubber stair nosing	2.9 mg/Kg			2nd	North Stairwell		2023	HERC2-0523-P28
Light blue paint used on lower portions of corridor, vestibule, and stairwells, some classrooms	2.9 mg/Kg			1st	North Stairwell		2023	HERC2-0523-P107
White paint used throughout interior of the building	3.6 mg/Kg			1st	North Stairwell		2023	HERC2-0523-P113
Window trim			3.320 mg/cm^2	1st	Hallway		2023	LR 12
Window sill			2.190 mg/cm^2	1st	Hallway		2023	LR 12
Drinking fountain			4.920 mg/cm^2	1st	Hallway		2023	LR 45
Dark green mastic for ceiling grid "L" channel	0.68 mg/Kg	1.8% Chrysotile		1st	Hallway		2023	HERC2-1022-A45 HERC2-0523-P13
Tan joint compound		1.4% Chrysotile		1st	Hallway		2023	HERC2-1022-A46
Grey joint compound / Off-white joint compound		1.3% Chrysotile		1st	Hallway		2023	HERC2-1022-A17
Brown mastic between gypsum board layers	0.65 mg/Kg			1st	Hallway		2023	HERC2-0523-P24
Peach-colored paint on corridor ceilings and soffits	0.57 mg/Kg			1st	Hallway		2023	HERC2-0523-P109
Black mastic in floor tiling		5.4% Chrysotile		1st	Classroom #1		2020	HERC2-011
Black mastic in floor tiling		4.8% Chrysotile		1st	Classroom #1		2020	HERC2-012
Black tarry lining of clock/speaker box housing	1.69 mg/Kg	2.6% Chrysotile		1st	Classroom #1		2023	HERC2-1022-A33 HERC2-0523-P17
White fibrous material, appears to be from former "hard fitting" pipe insulation		35% Chrysotile 15% Amosite		1st	Classroom #1		2023	HERC2-1022-A35
Off-white joint compound		1.5% Chrysotile		1st	Classroom #1		2023	HERC2-1022-A37
Grey cementitious matrix of green-faced chalkboard		30% Chrysotile		1st	Classroom #1		2023	HERC2-1022-A63
Red high temperature wiring insulation for oven		20% Chrysotile		1st	Classroom #1		2023	HERC2-1022-A64
Grey cementitious matrix of green-faced chalkboard		30% Chrysotile		1st	Classroom #1		2023	HERC2-1022-A63
Red high temperature wiring insulation for oven		20% Chrysotile		1st	Classroom #1		2023	HERC2-1022-A64
Brown mastic for glued-on ceiling tiles	0.65 mg/Kg			1st	Classroom #1		2023	HERC2-0523-P21
Corkboard with vinyl facing installed on walls	0.88 mg/Kg			1st	Classroom #1		2023	HERC2-0523-P55
Loose roll of black building felt	1.3 mg/Kg			1st	Loose material in Classroom #1		2023	HERC2-0523-P44
Blue paint on windows, door frames, and trim in Classrooms 01 and 04	2.1 mg/Kg			1st	Classroom #1		2023	HERC2-0523-P98
Black mastic on floor tile		5.2% Chrysotile		1st	Classroom #2		2020	HERC2-010
Cream colored floor tiling	3.3 mg/Kg			1st	Classroom #2		2023	HERC2-0523-P67
Window trim			3.250 mg/cm^2	1st	Classroom #2		2023	LR 27
Interior lighter brown paint on windows and doors	6.5 mg/Kg			1st	Classroom #2		2023	HERC2-0523-P99

TABLE 1
HAZARDOUS BUILDING MATERIALS INVENTORY

Material Description	PCBs	Asbestos	LBP	Level	Room	Appr. Sq Ft or Num. of items	Year	Sample ID
	Hazardous Material			Location within Building			HBMI Report	
Homer HERC 2								
Solder			1.240 mg/cm^2	1st	Classroom #2		2023	LR 32
Black tar "puck" used at felt paper behind chalkboards and tackboards		3.6% Chrysotile		1st	Classroom #2		2023	HERC2-1022-A24
Grey cement board wall panel		20% Chrysotile		1st	Classroom #2		2023	HERC2-1022-A26
Dark brown mastic for cement board wall panel	1.4 mg/Kg	5.2% Chrysotile		1st	Classroom #2		2023	HERC2-1022-A26 HERC2-0523-P19
Semi-pliable asbestos containing dark brown ceiling grid mastic	1.1 mg/Kg			1st	Classroom #2		2023	HERC2-0523-P14
Green corkboard strips around chalkboards, material has a woven fabric backing which was included in the sample	3.3 mg/Kg			1st	Classroom #2		2023	HERC2-0523-P39
Fiberglass batt facing material: brown reinforced "Kraft" paper with black tar	15 mg/Kg			1st	Classroom #2		2023	HERC2-0523-P88
Off-white paint common on interior of building	3.8 mg/Kg			1st	Classroom #2		2023	HERC2-0523-P111 / 131
Light grey fibrous paper material of unknown purpose, similar in appearance to "aircell" pipe insulation		85% Chrysotile		1st	Loose material in Classroom #2		2023	HERC2-1022-A29
White fibrous material, appears to be from former "hard fitting" pipe insulation		12% Chrysotile 15% Amosite		1st	Loose material in Classroom #2		2023	HERC2-1022-A30
Grey/Yellow floor tile		4.8% Chrysotile		1st	South Stairwell Storage		2020	HERC2-018
Black mastic in floor tiling		4.1% Chrysotile		1st	South Stairwell Storage		2020	HERC2-018
White insulation wrapping around Boiler		15% Chrysotile		1st	Boiler Room		2020	HERC2-021
White insulation wrapping around Boiler		15% Chrysotile		1st	Boiler Room		2020	HERC2-022
White fibrous insulating material inside of wood door		35% Amosite		1st	Janitor Closet		2023	HERC2-1022-A31
Sheet vinyl, dark brown background with small pebbles in various shades of brown and beige	1.7 mg/Kg			1st	Janitor Closet		2023	HERC2-0523-P50
Paint, green-yellow paint used in first floor west janitor closet	3.7 mg/Kg			1st	Janitor Closet		2023	HERC2-0523-P103
White paint used throughout interior of the building	4.7 mg/Kg			1st	North Stairwell		2023	HERC2-0523-P114
Grey cement board wall panel / yellow-tan mastic	0.97 mg/Kg	20% Chrysotile		1st	Loose material in Boy's Bathroom		2023	HERC2-1022-A32 HERC2-0523-P20
Off-white paint on cement asbestos board	2.5 mg/Kg			1st	Boy's Bathroom		2023	HERC2-0523-P105
Formica countertop			1.130 mg/cm^2	1st	Boy's Bathroom		2023	LR 57
Beige paint on toilet partitions	2.04 mg/Kg			1st	Boy's Bathroom		2023	HERC2-0523-P104
Black tarry lining for ceiling mounted "red can" speaker housing		2.5% Chrysotile		1st	Boiler Room		2023	HERC2-1022-A38
Hard black pre-moulded insulator with white fibers		10% Chrysotile		1st	Boiler Room		2023	HERC2-1022-A39
Grey paint on boiler room floor	1.2 mg/Kg			1st	Boiler Room		2023	HERC2-0523-P102
Off-white joint compound		1.3% Chrysotile		2nd	Hallway		2023	HERC2-1022-A49
Off-white joint compound		1.3% Chrysotile		2nd	Hallway		2023	HERC2-1022-A51

TABLE 1
HAZARDOUS BUILDING MATERIALS INVENTORY

Material Description	Hazardous Material PCBs	Asbestos	LBP	Location within Building Level	Room	Appr. Sq Ft or Num. of items	HBMI Report Year	Sample ID
Homer HERC 2								
Red paint on fire extinguisher closet	3.5 mg/Kg			2nd	Hallway		2023	HERC2-0523-P91
Red/orange paint in second floor corridor	5.2 mg/Kg			2nd	Hallway		2023	HERC2-0523-P101
Light blue paint used on lower portions of corridor, vestibule, and stairwells, some classrooms	3.4 mg/Kg			2nd	Hallway		2023	HERC2-0523-P108
Peach-colored paint on corridor ceilings and soffits	2.83 mg/Kg			1st	Hallway		2023	HERC2-0523-P110
White paint used throughout interior of the building	5.2 mg/Kg			1st	Hallway		2023	HERC2-0523-P115
Window trim	2.3 mg/Kg		1.080 mg/cm^2	2nd	Office		2023	LR 69 HERC2-0523-P97
Blue paint on tackboard	3.2 mg/Kg			2nd	Office		2023	HERC2-0523-P93
Remnant gypsum board with light brown matrix and black paper facing from the original ceiling	0.38 mg/Kg			2nd	Classroom #3		2023	HERC2-0523-P01/128
Tan-yellow mastic for carpet	0.68 mg/Kg			2nd	Classroom #3		2023	HERC2-0523-P30
Off-white paint common on interior of building	19 mg/Kg			1st	Classroom #3		2023	HERC2-0523-P112
Dark brown mastic for glued-on ceiling tiles	1.9 mg/Kg				Nurse's Room		2023	HERC2-0523-P22
Glued-on ceiling tile, main pattern	0.71 mg/Kg				Nurse's Room		2023	HERC2-0523-P56 / 127
Tan-yellow mastic for carpet	1.8 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P29
Black asbestos containing troweled on mastic for the original cement asbestos board panels	0.94 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P32
Cove base, 6" black	0.59 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P41 / P125
White vinyl pipe insulation wrap	1.65 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P66
Blue paint on windows, door frames, and trim in Classrooms 01 and 04	2.1 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P98
Hard light grey window glazing compound	0.6 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P012 / 120
Beige paint on cabinet unit ventilators	0.6 mg/Kg			2nd	Classroom #4		2023	HERC2-0523-P100
Off-white paint on cement asbestos board	3.7 mg/Kg			2nd	Girl's Bathroom		2023	HERC2-0523-P106 / P132

LBP = lead-based paint; mg/Kg = milligrams per kilogram; mg/cm^2 = milligrams per centimeter squared; PCBs = polychlorinated biphenyls;
Italics = was detected but did not exceed regulatory limits

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
Metiri Lab Results - Job Number 25E0110								
H2-01-02-051925		**Arsenic**	**10**		0.56	0.078	0.20	6020B
Depth = 12 in bg		Barium	110	J	0.28	0.078	2,100	6020B
XRF = 45 ppm		Cadmium	0.24		0.11	0.033	9.1	6020B
		Chromium[2]	29		0.56	0.084	N/A	6020B
		Lead[3]	43		0.11	0.022	400	6020B
		Mercury	0.21		0.041	NA	0.36	7471B
		Selenium	0.23	J	0.56	0.056	6.9	6020B
		Silver	0.11	J	0.11	0.022	11	6020B
H2-02-01-051925		**Arsenic**	**11**		0.56	0.078	0.20	6020B
Depth = 3-6 in bg		Barium	83	J	0.28	0.078	2,100	6020B
XRF = 29 ppm		Cadmium	0.12		0.11	0.034	9.1	6020B
		Chromium[2]	23		0.56	0.084	N/A	6020B
		Lead[3]	12		0.11	0.022	400	6020B
		Mercury	0.086		0.048	NA	0.36	7471B
		Selenium	0.19	J	0.56	0.056	6.9	6020B
		Silver	0.073	J	0.11	0.022	11	6020B
H2-04-03-051925		**Arsenic**	**8.4**		0.55	0.078	0.20	6020B
Depth = 20-24 in bg		Barium	77	J	0.28	0.078	2,100	6020B
XRF = 38 ppm		Cadmium	0.13		0.11	0.033	9.1	6020B
		Chromium[2]	27		0.55	0.083	N/A	6020B
		Lead[3]	8.9		0.11	0.022	400	6020B
		Mercury	0.065		0.040	NA	0.36	7471B
		Selenium	0.18	J	0.55	0.055	6.9	6020B
		Silver	0.072	J	0.11	0.022	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A
H2-05-02-051925		**Arsenic**	**12**		0.56	0.079	0.20	6020B
Depth = 12 in bg		Barium	120	J	0.28	0.079	2,100	6020B
XRF = 83 ppm		Cadmium	0.21		0.11	0.034	9.1	6020B
		Chromium[2]	26		0.56	0.084	N/A	6020B
		Lead[3]	17		0.11	0.022	400	6020B
		Mercury	0.11		0.042	NA	0.36	7471B
		Selenium	0.30	J	0.56	0.056	6.9	6020B
		Silver	0.089	J	0.11	0.022	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A
H2-06-03-051925		**Arsenic**	**5.0**		0.51	0.072	0.20	6020B
Depth = 24 in bg		Barium	69	J	0.26	0.072	2,100	6020B
XRF = 87 ppm		Cadmium	0.096	J	0.10	0.031	9.1	6020B
		Chromium[2]	19		0.51	0.077	N/A	6020B
		Lead[3]	5.9		0.10	0.020	400	6020B
		Mercury	ND		0.041	NA	0.36	7471B
		Selenium	0.15	J	0.51	0.051	6.9	6020B
		Silver	0.067	J	0.10	0.020	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H2-08-02-051925		**Arsenic**	**11**		0.55	0.077	0.20	6020B
Depth = 10-12 in bg		Barium	110	J	0.27	0.077	2,100	6020B
XRF = 47 ppm		Cadmium	0.15		0.11	0.033	9.1	6020B
		Chromium[2]	28		0.55	0.082	N/A	6020B
		Lead[3]	18		0.11	0.022	400	6020B
		Mercury	0.084		0.043	NA	0.36	7471B
		Selenium	0.26	J	0.55	0.055	6.9	6020B
		Silver	0.065	J	0.11	0.022	11	6020B
H2-09-01-051925		**Arsenic**	**9.7**		0.55	0.077	0.20	6020B
Depth = 4-6 in bg		Barium	120	J	0.27	0.077	2,100	6020B
XRF = 107 ppm		Cadmium	0.23		0.11	0.033	9.1	6020B
		Chromium[2]	28		0.55	0.082	N/A	6020B
		Lead[3]	33		0.11	0.022	400	6020B
		Mercury	0.097		0.040	NA	0.36	7471B
		Selenium	0.24	J	0.55	0.055	6.9	6020B
		Silver	0.078	J	0.11	0.022	11	6020B
H2-09-04-051925	43%	**Arsenic**	**15**		0.55	0.077	0.20	6020B
Duplicate of	18%	Barium	100	J	0.28	0.077	2,100	6020B
H2-09-01-051925	36%	Cadmium	0.16		0.11	0.033	9.1	6020B
	11%	Chromium[2]	25		0.55	0.083	N/A	6020B
	40%	Lead[3]	22		0.11	0.022	400	6020B
	2%	Mercury	0.099		0.042	NA	0.36	7471B
	4%	Selenium	0.25	J	0.55	0.055	6.9	6020B
	4%	Silver	0.075	J	0.11	0.022	11	6020B
H2-10-03-051925		**Arsenic**	**37**		0.57	0.080	0.20	6020B
Depth = 24 in bg		Barium	99	J	0.29	0.080	2,100	6020B
XRF = 154 ppm		Cadmium	0.23		0.11	0.034	9.1	6020B
		Chromium[2]	25		0.57	0.086	N/A	6020B
		Lead[3]	22		0.11	0.023	400	6020B
		Mercury	0.095		0.044	NA	0.36	7471B
		Selenium	0.28	J	0.57	0.057	6.9	6020B
		Silver	0.087	J	0.11	0.023	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A
H2-10-04-051925	24%	**Arsenic**	**29**		0.56	0.079	0.20	6020B
Duplicate of	32%	Barium	72	J	0.28	0.079	2,100	6020B
H2-10-03-051925	36%	Cadmium	0.16		0.11	0.034	9.1	6020B
	4%	Chromium[2]	24		0.56	0.084	N/A	6020B
	44%	Lead[3]	14		0.11	0.022	400	6020B
	16%	Mercury	0.081		0.042	NA	0.36	7471B
	7%	Selenium	0.26	J	0.56	0.056	6.9	6020B
	37%	Silver	0.060	J	0.11	0.022	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H2-11-02-051925		**Arsenic**	$\boxed{\textbf{9.8}}$		0.54	0.076	0.20	6020B
Depth = 12 in bg		Barium	81	J	0.27	0.076	2,100	6020B
XRF = 52 ppm		Cadmium	0.10	J	0.11	0.032	9.1	6020B
		Chromium[2]	19		0.54	0.081	N/A	6020B
		Lead[3]	8.8		0.11	0.022	400	6020B
		Mercury	0.051		0.042	NA	0.36	7471B
		Selenium	0.22	J	0.54	0.054	6.9	6020B
		Silver	0.053	J	0.11	0.022	11	6020B
H2-12-02-051925		Arsenic	0.069		0.0060	0.00084	0.20	6020B
Depth = 11-12 in bg		Barium	1.3	J	0.0030	0.00084	2,100	6020B
XRF = 38 ppm		Cadmium	0.0019		0.0012	0.00036	9.1	6020B
		Chromium[2]	0.24		0.0060	0.00090	N/A	6020B
		Lead[3]	0.57		0.0012	0.00024	400	6020B
		Mercury	0.27		0.047	NA	0.36	7471B
		Selenium	0.0032	J	0.0060	0.00060	6.9	6020B
		Silver	0.00068	J	0.0012	0.00024	11	6020B
H2-13-02-051925		**Arsenic**	$\boxed{\textbf{9.4}}$		0.57	0.079	0.20	6020B
Depth = 10-12 in bg		Barium	110	J	0.28	0.079	2,100	6020B
XRF = 52 ppm		Cadmium	0.16		0.11	0.034	9.1	6020B
		Chromium[2]	24		0.57	0.085	N/A	6020B
		Lead[3]	24		0.11	0.023	400	6020B
		Mercury	0.11		0.045	NA	0.36	7471B
		Selenium	0.31	J	0.57	0.057	6.9	6020B
		Silver	0.086	J	0.11	0.023	11	6020B
H2-14-03-051925		**Arsenic**	$\boxed{\textbf{9.0}}$		0.55	0.077	0.20	6020B
Depth = 22 in bg		Barium	100	J	0.28	0.077	2,100	6020B
XRF = 69 ppm		Cadmium	0.20		0.11	0.033	9.1	6020B
		Chromium[2]	22		0.55	0.083	N/A	6020B
		Lead[3]	9.3		0.11	0.022	400	6020B
		Mercury	0.059		0.045	NA	0.36	7471B
		Selenium	0.25	J	0.55	0.055	6.9	6020B
		Silver	0.058	J	0.11	0.022	11	6020B
H2-16-01-051925		**Arsenic**	$\boxed{\textbf{7.5}}$		0.56	0.079	0.20	6020B
Depth = 3-6 in bg		Barium	110	J	0.28	0.079	2,100	6020B
XRF = 11 ppm		Cadmium	0.14		0.11	0.034	9.1	6020B
		Chromium[2]	24		0.56	0.084	N/A	6020B
		Lead[3]	7.9		0.11	0.023	400	6020B
		Mercury	0.094		0.041	NA	0.36	7471B
		Selenium	0.20	J	0.56	0.056	6.9	6020B
		Silver	0.040	J	0.11	0.023	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H2-17-01-051925		**Arsenic**	**13**		0.55	0.077	0.20	6020B
Depth = 4-6 in bg		Barium	120	J	0.27	0.077	2,100	6020B
XRF = 83 ppm		Cadmium	0.18		0.11	0.033	9.1	6020B
		Chromium[2]	23		0.55	0.082	N/A	6020B
		Lead[3]	9.0		0.11	0.022	400	6020B
		Mercury	0.072		0.045	NA	0.36	7471B
		Selenium	0.24	J	0.55	0.055	6.9	6020B
		Silver	0.059	J	0.11	0.022	11	6020B
H1-21-01-052025		**Arsenic**	**6.6**		0.60	0.084	0.20	6020B
Depth = 3-6 in bg		Barium	110	J	0.30	0.084	2,100	6020B
XRF = 91 ppm		Cadmium	0.30		0.12	0.036	9.1	6020B
		Chromium[2]	21		0.60	0.090	N/A	6020B
		Lead[3]	12		0.12	0.024	400	6020B
		Mercury	0.067		0.048	NA	0.36	7471B
		Selenium	0.31	J	0.60	0.600	6.9	6020B
		Silver	0.064	J	0.12	0.024	11	6020B
H1-22-01-052025		**Arsenic**	**5.1**		0.67	0.094	0.20	6020B
Depth = 3-6 in bg		Barium	70	J	0.34	0.094	2,100	6020B
XRF = 69 ppm		Cadmium	0.28		1.30	0.040	9.1	6020B
		Chromium[2]	17		0.67	0.100	N/A	6020B
		Lead[3]	7.3		0.13	0.027	400	6020B
		Mercury	0.13		0.056	NA	0.36	7471B
		Selenium	0.54	J	0.67	0.067	6.9	6020B
		Silver	0.072	J	0.13	0.027	11	6020B
H1-23-03-052025		**Arsenic**	**8.6**		0.61	0.085	0.20	6020B
Depth = 24 in bg		Barium	120	J	0.30	0.085	2,100	6020B
XRF = 46 ppm		Cadmium	0.17		0.12	0.036	9.1	6020B
		Chromium[2]	24		0.61	0.091	N/A	6020B
		Lead[3]	13		0.12	0.024	400	6020B
		Mercury	0.076		0.045	NA	0.36	7471B
		Selenium	0.33	J	0.61	0.061	6.9	6020B
		Silver	0.074	J	0.12	0.024	11	6020B
H1-24-02-052025		**Arsenic**	**10**		0.64	0.090	0.20	6020B
Depth = 11-12 in bg		Barium	130	J	0.32	0.090	2,100	6020B
XRF = 35 ppm		Cadmium	0.30		0.13	0.039	9.1	6020B
		Chromium[2]	24		0.64	0.096	N/A	6020B
		Lead[3]	13		0.13	0.026	400	6020B
		Mercury	0.12		0.048	NA	0.36	7471B
		Selenium	0.33	J	0.64	0.064	6.9	6020B
		Silver	0.089	J	0.13	0.026	11	6020B

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H1-25-02-052025		**Arsenic**	**5.9**		0.61	0.086	0.20	6020B
Depth = 10-12 in bg		Barium	88	J	0.31	0.086	2,100	6020B
XRF = 27 ppm		Cadmium	0.15		0.12	0.037	9.1	6020B
		Chromium[2]	21		0.61	0.092	N/A	6020B
		Lead[3]	9.2		0.12	0.025	400	6020B
		Mercury	0.075		0.046	NA	0.36	7471B
		Selenium	0.34	J	0.61	0.061	6.9	6020B
		Silver	0.063	J	0.12	0.025	11	6020B
H1-26-02-052025		**Arsenic**	**7.5**		0.62	0.087	0.20	6020B
Depth = 12 in bg		Barium	130	J	0.31	0.087	2,100	6020B
XRF = 21 ppm		Cadmium	0.38		0.12	0.037	9.1	6020B
		Chromium[2]	26		0.62	0.093	N/A	6020B
		Lead[3]	35		0.12	0.025	400	6020B
		Mercury	0.082		0.046	NA	0.36	7471B
		Selenium	0.35	J	0.62	0.062	6.9	6020B
		Silver	0.15	J	0.12	0.025	11	6020B
Metiri Lab Results - Job Number 25E0111								
H1-27-01-052025		**Arsenic**	**10**		0.61	0.086	0.20	6020B
Depth = 3-6 in bg		Barium	110		0.31	0.086	2,100	6020B
XRF = 71 ppm		Cadmium	0.15		0.12	0.037	9.1	6020B
		Chromium[2]	35	J	0.61	0.092	N/A	6020B
		Lead[3]	8.0		0.12	0.025	400	6020B
		Mercury	ND		0.046	NA	0.36	7471B
		Selenium	0.46	J	0.61	0.061	6.9	6020B
		Silver	0.063	J	0.12	0.025	11	6020B
H1-28-01-052025		**Arsenic**	**12**		0.57	0.080	0.20	6020B
Depth = 4-6 in bg		Barium	78		0.29	0.080	2,100	6020B
XRF = 73 ppm		Cadmium	0.21		0.11	0.034	9.1	6020B
		Chromium[2]	26	J	0.57	0.086	N/A	6020B
		Lead[3]	15		0.11	0.023	400	6020B
		Mercury	ND		0.04	NA	0.36	7471B
		Selenium	0.30	J	0.57	0.057	6.9	6020B
		Silver	0.13		0.11	0.023	11	6020B
		PCB 1260	0.12		0.56	0.0040	1.0	8082A
		All other PCBs	ND		varies	varies	1.0	8082A
H1-29-01-052025		**Arsenic**	**11**		0.57	0.080	0.20	6020B
Depth = 3-6 in bg		Barium	110		0.28	0.080	2,100	6020B
XRF = 71 ppm		Cadmium	0.20		0.11	0.034	9.1	6020B
		Chromium[2]	27	J	0.57	0.085	N/A	6020B
		Lead[3]	12		0.11	0.023	400	6020B
		Mercury	ND		0.046	NA	0.36	7471B
		Selenium	0.33	J	0.57	0.057	6.9	6020B
		Silver	0.083	J	0.11	0.023	11	6020B

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H1-31-02-052025		**Arsenic**	**8.4**		0.64	0.090	0.20	6020B
Depth = 12 in bg		Barium	110		0.32	0.090	2,100	6020B
XRF = 22 ppm		Cadmium	0.11	J	0.13	0.039	9.1	6020B
		Chromium[2]	25	J	0.64	0.096	N/A	6020B
		Lead[3]	7.8		0.13	0.026	400	6020B
		Mercury	0.066	J	0.047	NA	0.36	7471B
		Selenium	0.44	J	0.64	0.064	6.9	6020B
		Silver	0.065	J	0.13	0.026	11	6020B
H1-32-03-052125		**Arsenic**	**7.9**		0.65	0.090	0.20	6020B
Depth = 24 in bg		Barium	120		0.32	0.090	2,100	6020B
XRF = 68 ppm		Cadmium	0.16		0.13	0.039	9.1	6020B
		Chromium[2]	26	J	0.65	0.097	N/A	6020B
		Lead[3]	8.7		0.13	0.026	400	6020B
		Mercury	0.058	J	0.047	NA	0.36	7471B
		Selenium	0.44	J	0.65	0.065	6.9	6020B
		Silver	0.073	J	0.13	0.026	11	6020B
H1-33-01-052125		**Arsenic**	**6.1**		0.74	0.10	0.20	6020B
Depth = 3-6 in bg		Barium	87		0.37	0.10	2,100	6020B
XRF = 50 ppm		Cadmium	0.42		0.15	0.044	9.1	6020B
		Chromium[2]	22	J	0.74	0.11	N/A	6020B
		Lead[3]	10		0.15	0.030	400	6020B
		Mercury	0.14	J	0.062	NA	0.36	7471B
		Selenium	0.58	J	0.74	0.074	6.9	6020B
		Silver	0.069	J	0.15	0.030	11	6020B
H1-34-01-052125		**Arsenic**	**8.1**		0.64	0.090	0.20	6020B
Depth = 3-6 in bg		Barium	88		0.32	0.090	2,100	6020B
XRF = 74 ppm		Cadmium	0.18		0.13	0.039	9.1	6020B
		Chromium[2]	24	J	0.64	0.096	N/A	6020B
		Lead[3]	9.5		0.13	0.026	400	6020B
		Mercury	0.080	J	0.050	NA	0.36	7471B
		Selenium	0.39	J	0.64	0.064	6.9	6020B
		Silver	0.062	J	0.13	0.026	11	6020B
H1-35-03-052125		**Arsenic**	**7.9**		0.67	0.094	0.20	6020B
Depth = 24 in bg		Barium	130		0.34	0.094	2,100	6020B
XRF = 51 ppm		Cadmium	0.22		0.13	0.040	9.1	6020B
		Chromium[2]	26	J	0.67	0.10	N/A	6020B
		Lead[3]	11		0.13	0.027	400	6020B
		Mercury	0.088	J	0.050	NA	0.36	7471B
		Selenium	0.41	J	0.67	0.067	6.9	6020B
		Silver	0.069	J	0.13	0.027	11	6020B

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H1-37-03-052125		**Arsenic**	**8.1**		0.63	0.088	0.20	6020B
Depth = 22-24 in bg		Barium	110		0.32	0.088	2,100	6020B
XRF = 66 ppm		Cadmium	0.14		0.13	0.038	9.1	6020B
		Chromium[2]	25	J	0.63	0.095	N/A	6020B
		Lead[3]	8.7		0.13	0.025	400	6020B
		Mercury	0.062	J	0.054	NA	0.36	7471B
		Selenium	0.37	J	0.63	0.063	6.9	6020B
		Silver	0.055	J	0.13	0.025	11	6020B
H1-38-02-052125		**Arsenic**	**6.7**		0.64	0.090	0.20	6020B
Depth = 12 in bg		Barium	110		0.32	0.090	2,100	6020B
XRF = 100 ppm		Cadmium	0.34		0.13	0.039	9.1	6020B
		Chromium[2]	22	J	0.64	0.096	N/A	6020B
		Lead[3]	22		0.13	0.026	400	6020B
		Mercury	0.26	J	0.048	NA	0.36	7471B
		Selenium	0.37	J	0.64	0.064	6.9	6020B
		Silver	0.059	J	0.13	0.026	11	6020B
H1-38-04-052125	9%	**Arsenic**	**6.1**		0.66	0.092	0.20	6020B
Duplicate of	10%	Barium	100		0.33	0.092	2,100	6020B
H1-38-02-052125	23%	Cadmium	0.27		0.13	0.039	9.1	6020B
	5%	Chromium[2]	21	J	0.66	0.099	N/A	6020B
	4%	Lead[3]	23		0.13	0.026	400	6020B
	12%	Mercury	0.23	J	0.047	NA	0.36	7471B
	11%	Selenium	0.33	J	0.66	0.066	6.9	6020B
	3%	Silver	0.057	J	0.13	0.026	11	6020B
H1-39-03-052125		**Arsenic**	**11**		0.62	0.087	0.20	6020B
Depth = 24 in bg		Barium	86		0.31	0.087	2,100	6020B
XRF = 39 ppm		Cadmium	0.14		0.12	0.037	9.1	6020B
		Chromium[2]	23	J	0.62	0.094	N/A	6020B
		Lead[3]	14		0.12	0.025	400	6020B
		Mercury	0.080	J	0.049	NA	0.36	7471B
		Selenium	0.37	J	0.62	0.062	6.9	6020B
		Silver	0.061	J	0.12	0.025	11	6020B
H1-42-02-052125		**Arsenic**	**11**		0.58	0.081	0.20	6020B
Depth = 24 in bg		Barium	170		0.29	0.081	2,100	6020B
XRF = 39 ppm		Cadmium	0.15		0.12	0.035	9.1	6020B
		Chromium[2]	35	J	0.58	0.087	N/A	6020B
		Lead[3]	13		0.12	0.023	400	6020B
		Mercury	0.088	J	0.048	NA	0.36	7471B
		Selenium	0.38	J	0.58	0.058	6.9	6020B
		Silver	0.090	J	0.12	0.023	11	6020B

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H1-43-03-052125		**Arsenic**	$\boxed{\textbf{8.2}}$		0.59	0.082	0.20	6020B
Depth = 22-24 in bg		Barium	160		0.29	0.082	2,100	6020B
XRF = 108 ppm		Cadmium	0.20		0.12	0.035	9.1	6020B
		Chromium[2]	26	J	0.59	0.088	N/A	6020B
		Lead[3]	14		0.12	0.023	400	6020B
		Mercury	0.077	J	0.048	NA	0.36	7471B
		Selenium	0.29	J	0.59	0.059	6.9	6020B
		Silver	0.085	J	0.12	0.023	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A
H1-43-04-052125	10%	**Arsenic**	$\boxed{\textbf{9.1}}$		0.58	0.081	0.20	6020B
Duplicate of	17%	Barium	190		0.29	0.081	2,100	6020B
H1-43-03-052125	30%	Cadmium	0.27		0.12	0.035	9.1	6020B
	8%	Chromium[2]	24	J	0.58	0.087	N/A	6020B
	7%	Lead[3]	13		0.12	0.023	400	6020B
	11%	Mercury	0.069	J	0.043	NA	0.36	7471B
	4%	Selenium	0.28	J	0.58	0.058	6.9	6020B
	10%	Silver	0.077	J	0.12	0.023	11	6020B
H1-44-03-052125		**Arsenic**	$\boxed{\textbf{8.9}}$		0.56	0.078	0.20	6020B
Depth = 22-24 in bg		Barium	120		0.28	0.078	2,100	6020B
XRF = 35 ppm		Cadmium	0.17		0.11	0.033	9.1	6020B
		Chromium[2]	23	J	0.56	0.083	N/A	6020B
		Lead[3]	8.5		0.11	0.022	400	6020B
		Mercury	0.077	J	0.046	NA	0.36	7471B
		Selenium	0.27	J	0.56	0.056	6.9	6020B
		Silver	0.065	J	0.11	0.022	11	6020B
H1-45-01-052125		**Arsenic**	$\boxed{\textbf{7.1}}$		0.58	0.081	0.20	6020B
Depth = 3-6 in bg		Barium	170		0.29	0.081	2,100	6020B
XRF = 23 ppm		Cadmium	0.21		0.12	0.035	9.1	6020B
		Chromium[2]	30	J	0.58	0.086	N/A	6020B
		Lead[3]	14		0.12	0.023	400	6020B
		Mercury	0.10	J	0.043	NA	0.36	7471B
		Selenium	0.32	J	0.58	0.058	6.9	6020B
		Silver	0.067	J	0.12	0.023	11	6020B
H1-46-03-052125		**Arsenic**	$\boxed{\textbf{7.9}}$		0.56	0.079	0.20	6020B
Depth = 22-24 in bg		Barium	120		0.28	0.079	2,100	6020B
XRF = 61 ppm		Cadmium	0.15		0.11	0.034	9.1	6020B
		Chromium[2]	26	J	0.56	0.084	N/A	6020B
		Lead[3]	8.3		0.11	0.023	400	6020B
		Mercury	0.075	J	0.044	NA	0.36	7471B
		Selenium	0.24	J	0.56	0.056	6.9	6020B
		Silver	0.059	J	0.11	0.023	11	6020B

TABLE 2
SOIL SAMPLE RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	RPD%	Analyte	Result (mg/Kg)	Qualifiers	PQL (mg/Kg)	MDL (mg/Kg)	ADEC Cleanup Criteria[1] (mg/Kg)	Analysis Method
H1-47-01-052125		**Arsenic**	**5.6**		0.51	0.071	0.20	6020B
Depth = 3-6 in bg		Barium	71		0.25	0.071	2,100	6020B
XRF = 65 ppm		Cadmium	0.13		0.10	0.030	9.1	6020B
		Chromium[2]	21	J	0.51	0.076	N/A	6020B
		Lead[3]	4.2		0.10	0.020	400	6020B
		Mercury	ND		0.037	NA	0.36	7471B
		Selenium	0.13	J	0.51	0.051	6.9	6020B
		Silver	0.046	J	0.10	0.020	11	6020B
H1-49-01-052125		**Arsenic**	**5.3**		0.51	0.071	0.20	6020B
Depth = 3-6 in bg		Barium	63		0.25	0.071	2,100	6020B
XRF = 31 ppm		Cadmium	0.15		0.10	0.030	9.1	6020B
		Chromium[2]	30	J	0.51	0.076	N/A	6020B
		Lead[3]	6.0		0.10	0.020	400	6020B
		Mercury	ND		0.037	NA	0.36	7471B
		Selenium	0.12	J	0.51	0.051	6.9	6020B
		Silver	0.048	J	0.10	0.020	11	6020B
		All PCBs	ND		varies	varies	1.0	8082A
H1-50-02-052125		**Arsenic**	**4.8**		0.50	0.069	0.20	6020B
Depth = 10-12 in bg		Barium	61		0.25	0.069	2,100	6020B
XRF = 34 ppm		Cadmium	0.073	J	0.099	0.030	9.1	6020B
		Chromium[2]	17	J	0.50	0.074	N/A	6020B
		Lead[3]	3.2		0.099	0.020	400	6020B
		Mercury	ND		0.040	NA	0.36	7471B
		Selenium	0.099	J	0.50	0.050	6.9	6020B
		Silver	0.036	J	0.099	0.020	11	6020B
H1-53-03-052125		**Arsenic**	**7.3**		0.63	0.088	0.20	6020B
Depth = 22 in bg		Barium	140		0.31	0.088	2,100	6020B
XRF = 93 ppm		Cadmium	0.40		0.13	0.038	9.1	6020B
		Chromium[2]	22	J	0.63	0.094	N/A	6020B
		Lead[3]	190		0.13	0.025	400	6020B
		Mercury	0.35	J	0.050	NA	0.36	7471B
		Selenium	0.25	J	0.63	0.063	6.9	6020B
		Silver	0.24	J	0.13	0.025	11	6020B
		TCLP Lead (mg/L)[4]	0.34		0.00019	0.30	5.0	747A TCLP

[1] Soil cleanup criteria for PCBs is obtained from ADEC 18 AAC 75.341, Table B1, Method 2, Under 40-inch zone (referring to annual precipitation) human health pathway (October 18, 2023).

[2] The sample was analyzed for total chromium, which does not have a cleanup criterion; however, the reported concentrations may contain hexavalent chromium, which has a cleanup criterion of 0.089 mg/Kg for Under 40-inch zone (October 18, 2023).

[3] Lead cleanup criteria obtained from Table B1, Method 2 Human Health Pathway values (October 18, 2023) using the footnote for residential land use.

[4] The Regulatory Levels for TCLP arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver were obtained from 40 Code of Federal Regulations (CFR) 261.24. Units for TCLP metals are presented in mg/L.

AAC = Alaska Administrative Code; AK = Alaska Method; ADEC = Alaska Department of Environmental Conservation; MDL = method detection limit; in bg = inches below ground; J = estimated value; mg/Kg = milligrams per kilogram; NA = not applicable; PCBs = polychlorinated biphenyls; ppm = parts per million; PQL = practical quantitation limit; RPD = relative percent difference; XRF = X-ray fluorescence.

Bold	= The concentration exceeds the applicable ADEC cleanup criterion

TABLE 3
EQUIPMENT BLANK RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	Analyte	Result (µg/L)	Qualifiers	PQL (µg/L)	MDL (µg/L)	ADEC Cleanup Criteria[1] (µg/L)	Analysis Method
EB01-051925	Arsenic	ND		5.0	0.31	0.52	6020B
	Barium	0.61	J	3.0	0.25	3,800	6020B
	Cadmium	ND		1.0	0.050	9.2	6020B
	Chromium[2]	0.81	J	10	0.45	N/A	6020B
	Lead	ND		3.0	0.19	15	6020B
	Mercury	ND		0.50	NA	0.52	7470A
	Selenium	ND		5	0.50	100	6020B
	Silver	ND		1.0	0.030	94	6020B
EB02-052125	Arsenic	ND		5.0	0.31	0.52	6020B
	Barium	1.9	J	3.0	0.25	3,800	6020B
	Cadmium	ND		1.0	0.050	9.2	6020B
	Chromium[2]	0.52	J	10	0.45	N/A	6020B
	Lead	ND		3.0	0.19	15	6020B
	Mercury	ND		0.50	NA	0.52	7470A
	Selenium	ND		5.0	0.50	100	6020B
	Silver	ND		1.0	0.030	94	6020B

Notes:

[1] Groundwater cleanup criteria are obtained from ADEC 18 AAC 75.345, Table C (October 18, 2023).

[2] Due to the prevalence of naturally occurring Chromium III and the absence of a known anthropogenic source, the sample results reported for total chromium are considered to be indicative of background Chromium III

AAC = Alaska Administrative Code; ADEC = Alaska Department of Environmental Conservation; J = estimated value; MDL = method detection limit; PQL = practical quantitation limit; µg/L = micrograms per liter

TABLE 4
COMPARISON OF XRF SCREENING AND LEAD ANALYTICAL RESULTS
HOMER HERC BUILDINGS - HOMER, ALASKA
MAY 2025

Sample	Analyte	Analytical Result (mg/Kg)	XRF Reading (ppm)	Moisture Content (%)	Analysis Method
H2-01-02-051925	Lead	43	45	10.3	6020B
H2-02-01-051925	Lead	12	29	10.7	6020B
H2-04-03-051925	Lead	8.9	38	10.8	6020B
H2-05-02-051925	Lead	17	83	11.1	6020B
H2-06-03-051925	Lead	5.9	87	5.3	6020B
H2-08-02-051925	Lead	18	47	9.7	6020B
H2-09-01-051925	Lead	33	107	9.5	6020B
H2-09-04-051925	Lead	22	107	9.4	6020B
H2-10-03-051925	Lead	22	154	12.4	6020B
H2-10-04-051925	Lead	14	154	11.7	6020B
H2-11-02-051925	Lead	8.8	52	7.5	6020B
H2-12-02-051925	Lead	0.57	38	17.9	6020B
H2-13-02-051925	Lead	24	52	11.6	6020B
H2-14-03-051925	Lead	9.3	69	11.2	6020B
H2-16-01-051925	Lead	7.9	11	12	6020B
H2-17-01-051925	Lead	9.0	83	10.5	6020B
H1-21-01-052025	Lead	12	91	16.6	6020B
H1-22-01-052025	Lead	7.3	69	26.2	6020B
H1-23-03-052025	Lead	13	46	17.6	6020B
H1-24-02-052025	Lead	13	35	22.1	6020B
H1-25-02-052025	Lead	9.2	27	19.3	6020B
H1-26-02-052025	Lead	35	21	19.8	6020B
H1-27-01-052025	Lead	8.0	71	18.6	6020B
H1-28-01-052025	Lead	15	73	13.5	6020B
H1-29-01-052025	Lead	12	71	12.9	6020B
H1-31-02-052025	Lead	7.8	22	22.2	6020B
H1-32-03-052125	Lead	8.7	68	22.6	6020B
H1-33-01-052125	Lead	10	50	33	6020B
H1-34-01-052125	Lead	9.5	74	22.1	6020B
H1-35-03-052125	Lead	11	51	26.5	6020B
H1-37-03-052125	Lead	8.7	66	22.3	6020B
H1-38-02-052125	Lead	22	100	23.7	6020B
H1-38-04-052125	Lead	23	100	23.9	6020B
H1-39-03-052125	Lead	14	39	20	6020B
H1-42-02-052125	Lead	13	39	13.3	6020B
H1-43-03-052125	Lead	14	108	15.5	6020B
H1-43-04-052125	Lead	13	108	15.6	6020B
H1-44-03-052125	Lead	8.5	35	10.1	6020B
H1-45-01-052125	Lead	14	23	13	6020B
H1-46-03-052125	Lead	8.3	61	12.1	6020B
H1-47-01-052125	Lead	4.2	65	1.6	6020B
H1-49-01-052125	Lead	6.0	31	1.5	6020B
H1-50-02-052125	Lead	3.2	34	2.1	6020B
H1-53-03-052125	Lead	190	93	21.1	6020B

ADEC = Alaska Department of Environmental Conservation; mg/Kg = milligrams per kilogram; XRF = x-ray fluorescence; ppm = parts per million

APPENDIX A

LIMITED HAZARDOUS BUILDING MATERIALS INVENTORY (HBMI)
~TO BE INCLUDED IN FINAL REPORT~

APPENDIX B
SITE PHOTOGRAPHS

Photo 1. HERC 1 building; facing southwest

Photo 2. HERC 2 Building; facing southeast

Photo 3. Pavement on north side of HERC 1; facing west

Photo 4. Overgrown area on north side of HERC 1 extension, facing southeast

Photo 5. Aboveground fuel storage tank on west side of HERC 1; facing north

Photo 6. Shed on west side of HERC 1 with aboveground propane tank; facing southwest

Homer HERC Buildings
Homer, Alaska

Site Photographs

BGES, INC. ENVIRONMENTAL CONSULTANTS	**August 2025**	**B–1**

Photo 7. Transformer on north side of HERC 2; facing west

Photo 8. Transformer on west side of HERC 1; facing east

Photo 9. BGES decontaminating the shovel using a water-alconox spray mix; facing north

Photo 10. Field-screening samples collected from a test hole at three depth intervals

Homer HERC Buildings
Homer, Alaska

Site Photographs

BGES, INC. ENVIRONMENTAL CONSULTANTS	**August 2025**	**B–2**

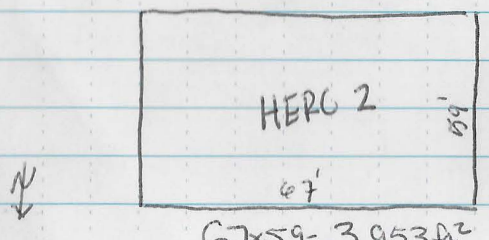
APPENDIX C
FIELD NOTES & GPS COORDINATES

5/19/25   44°F   Cloudy

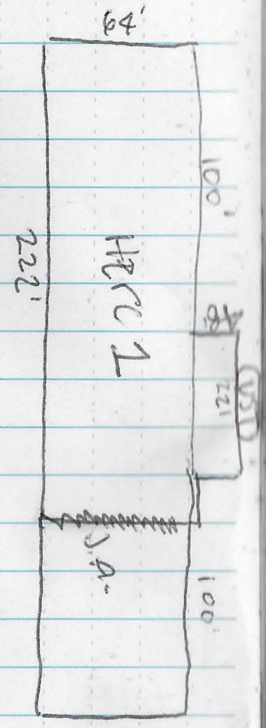
J. Acuña & L. Vitale

BGES onsite @ 0830 to conduct site characterization activities and begin digging 80 test holes around perimeter of Herc Buildings

BGES began by measuring perimeter of bldgs onsite to space out test holes



67×59 = 3,953 ft²



3953/19008 = 21%

Soil Samples

Herc 2 = 80×.21 = 17 locations

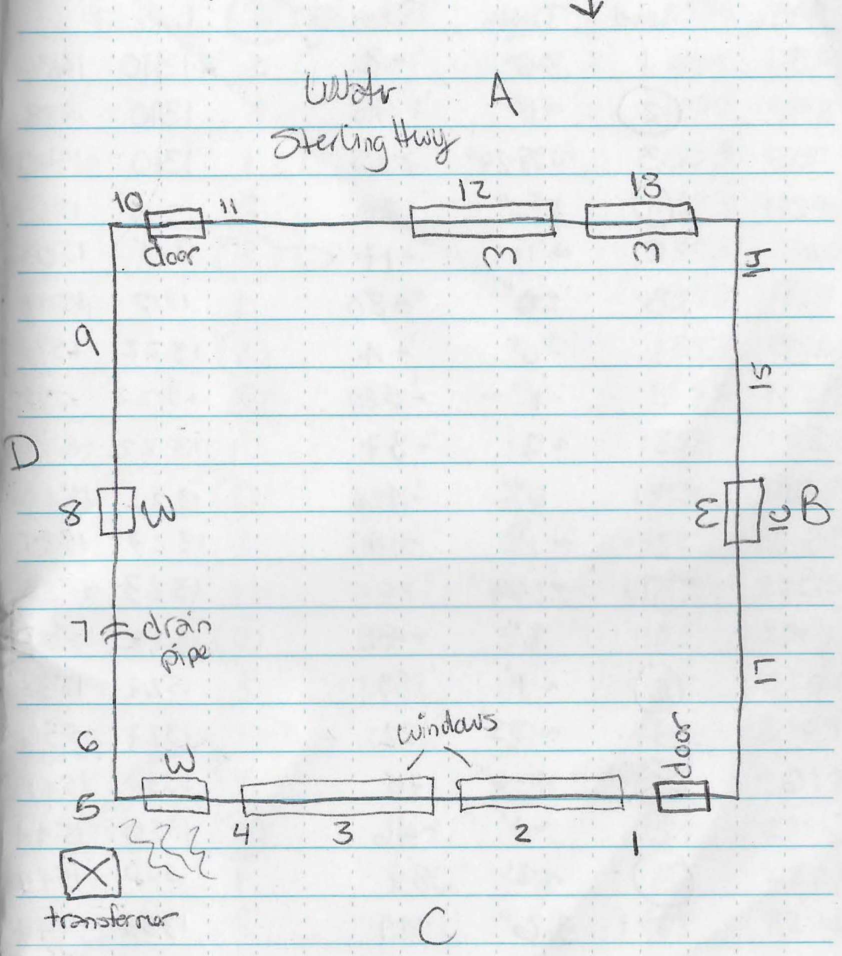
Herc 1 = 80×.79 = 63 locations

Unless otherwise stated, no staining or odors were observed in any of the test holes

64×222 = 14,208
+ 48×100 = 4,800
19,008 ft²

HERC 2

Boarded up & closed to public



≷≷≷ = utilities   W=window (not to scale)

Herc2

Hole	Level	Depth	Reading	Time	
1	1	3-6"	-8	1310	1436
	2	~1'	45	1310	1438
	3	~18-24"	-35	1310	1440
2	1	3-6"	29	1315	1503
	2	~1'	-17	1315	1505
	3	22"	-30	1315	1507
3	1	6"	-4	1322	1512
	2	~1'	-56	1322	1515
	3	~2'	-87	1322	1518
4	1	6"	-46	1323	1522
	2	~1'	-14	1323	1525
	3	22-24"	38	1323	1528
5	1	6"	-49	1327	1531
	2	~1'	83	1327	1533
	3	~23"	22	1327	1536
6	~~1~~ GRV	4-6"	75	1330	1541
	2	~1'	-46	1330	1544
	3	~2'	87	1330	1549
7	1	3-6"	-49	1333	1744
	2	~1'	-41	1333	1746
	3	1.8-2'	-24	1333	1749
8	1	3-6"	-31	1338	1753
	2	0.8-1'	47	1338	1756
	3	1.9-2'	27	1338	1759

Scale: 1 square =

Hole	Level	Depth	Reading	Time	
9	1" D	4-6"	107	1339	1808
	2	0.8-1'	27	1339	1810
	3	1.9-2'	73	1339	1812
10	1	3-6"	-91	1353	1815
	2	0.8-1'	71	1353	1817
	3 D	~2'	154	1353	1820
11	1	3-6"	0	1353	1823
	2	~1'	52	1353	1826
	3	1.9-2'	-31	1353	1829
12	1	3-6"	10	1358	1832
	2	0.9-1'	38	1358	1835
	3	1.9-2'	8	1358	1838
13	1	3-6"	7	1358	2200
	2	0.8-1'	52	1358	2203
	3	1.9-2'	19	1358	2206
14	1	3-6"	-37	1404	2209
	2	~1'	-39	1404	2212
	3	~22"	64	1404	2215
15	1	3 6"	-8	1405	2221
	2	0.8-1'	-38	1405	2224
	3	1.9-2'	8	1405	2227
16	1	3-6"	11	1410	2235
	2	0.8 1'	1	1410	2238
	3	~2'	-76	1410	2241

Scale: 1 square =

Hole	Level	Depth	Reading	Time	
17	1	4-6"	83	1411	2258
	2	~1'	-50	1411	2301
	3	21"	-58	1411	2305

HERC 1

Hole	Level	Depth	Reading	Time	
18	1	3-6"	-20	1610	1917
~~19~~	2	~1'	-89	1610	1920
	3	~2'	-17	1610	1927
19	1	4-6"	-7	1615	1930
	2	0.8-1'	-51	1615	1932
	3	1.9-2'	-6	1615	1934
20	1	3-6"	-38	1620	1937
	2	0.8-1'	-30	1620	1939
	3	~2'	-20	1620	2218
21	1	3-6"	91	1624	2220
	2	~1'	83	1624	2222
	3	~2'	40	1624	2224
22	1	3-6"	69	1628	2226
	2	~1'	-25	1628	2228
	3	1.9-2'	-30	1628	2230
23	1	3-6"	33	1634	2234
	2	0.8-1'	-48	1634	2236
	3	~2'	46	1634	2239
24	1	3-6"	-5	1640	2242
	2	0.9-1'	35	1640	2245
	3	1.9-2'	-14	1640	2248

Hole	Level	Depth	Reading	Time	
25	1	3-6"	25	1652	2252
	2	0.8-1'	27	1652	2254
	3	1.9-2'	6	1652	2257
26	1	3-6"	21	1658	2259
	2	~1'	21	1658	2302
	3	~2'	-14	1658	2305
27	1	3-6"	71	1700	2308
	2	0.8-1'	65	1700	2310
	3	1.9-2'	-17	1700	2313
28	1	4-6"	73	1705	2318
	2	~1'	-39	1705	2329
	3	1.8-2'	+37	1705	2333
29	1	3-6"	40	1710	2339
	2	~1'	-67	1710	2341

* Obstruction encountered, dig halted

Hole	Level	Depth	Reading	Time	
30	~~1~~	3-6"	9	1721	2345
	2	0.9-1'	-13	1721	2348
	3	1.9-2'	-90	1721	2351
31	1	3-6"	-91	1723	2354
	2	~1'	22	1723	2356
	3	1.9-2'	-6	1723	2359
32	1	3-6"	-39	0910	1313
	2	0.8-1'	41	0910	1315
	3	~2'	68	0910	1318

Hole	Level	Depth	Reading	Time
33	1	3-6"	50	0913 1321
	2	0.8-1'	27	0913 1323
	3	~2'	-87	0913 1325
34	1	3-6"	74	0918 1329
	2	~1'	10	0918 1333
	3	1.9-2'	18	0918 1335
35	1	3-6"	-20	0921 1338
	2	1.9-1'	-62	0921 1342
	3	~2'	51	0921 1345
36	1	3-6"	-11	0927 1348
	2	0.8-1'	-23	0927 1350
	3	1.9-2'	-29	0927 1353
37	1	3-6"	-35	0931 1358
	2	0.8-1'	53	0931 1402
	3	1.9-2'	66	0931 1405
38	1	3-6"	85	0937 1409
	2 D	~1'	100	0937 1413
	3	~2'	27	0937 1417
39	1	~6"	2	0942 1420
	2	0.8-1	-32	0942 1422
	3	~2'	39	0942 1425
40	1	3-6"	-6	0947 1428
	2	0.8-1'	-8	0947 1431
	3	1.9-2'	-52	0947 1434

Scale: 1 square =______

Hole	Level	Depth	Reading	Time
41	1	4-6"	-91	0950 1420
	2	0.8-1'	-20	0950 1432
	3	1.9-2'	-4	0950 1435
42	1	3-6"	19	0955 1450
	2	~1'	59	0955 1452
	~~3~~ J.A.	J.A. ~~2'~~	*Obstruction encountered, dig halted	
43	1	3-6"	-4	1000 1455
	2	0.8-1'	40	1000 1457
	3 D	1.9-2'	108	1000 1459
44	1	3-6"	-91	1007 1504
	2	~1'	-51	1007 1507
	3	1.9-2'	35	1007 1510
45	1	3-6"	23	1011 1512
	2	0.8-1'	7	1011 1514
	3	1.8-2'	-35	1011 1517
46	1	3-6"	-77	1015 1522
	2	~1'	2	1015 1524
	3	1.9-2'	61	1015 1526
47	1	3-6"	65	1020 1529
	2	~1'	-25	1020 1532
	3	~2'	38	1020 1535
48	1	3-6"	-23	1025 1538
	2	0.8-1'	-89	1025 1541
	3	1.8-2'	-9	1025 1543

Scale: 1 square =______

Hole	Level	Depth	Reading	Time	
49	1	3-6"	31	1040	1550
	2	0.8-1'	-46	1040	1553
	3	~2'	-91	1040	1555
50	1	3-6"	11	1041	1558
	2	0.8-1'	34	1041	1600
	3	1.8-2'	-20	1041	1602
51	1	3-6"	-91	1132	1604
	2	~1'	-27	1132	1606
	3	20-24"	-90	1132	1608
52	1	3-6"	-46	1138	1610
	2	10-12"	-91	1138	1612
	3	20-24"	-74	1138	1614
53	1	3-6"	69	1145	1616
	2	~1'	66	1145	1618
	3	~22"	93	1145	1620
54	1	~6"	-3	1150	1622

5/19 cont

Dug 17 holes around HERC 2. Soils from approx 3-6", from approx 10-14", and from 18-24" were individially collected in labeled ziploc bags

Bagged soils were read onsite and @ the hotel using the XRF on soil setting (in situ soils) The XRF was placed against the bag, which was placed against a hard plastic or wood surface known to not contain lead

HERC 1

The north, south, + southwest sides of HERC 1 have been paved over up to the bldgs exterior walls. This was discussed w/ Rose, Brian, + Bob. It was decided that, based on the original proportion calcs of the planned 80 holes, ~~we would~~ which put a hole approx every 10' around HERC 1, we would keep that spacing + collect the appropriate number of hole samples for 1 hole every 10'. This was discussed w/ DEC

see next page

We are still collecting 40 analytical samples plus dups

Shovels were deconned btwn holes using an alconox/water spray + paper towels

One EB was collected by pouring DI water over a shovel blade + collecting the water directly into the sampling container.

Flannery (DEC) was emailed about HERC 1 holes

Offsite @ 1800

05/20/25

L. Vitale + J. Acuña onsite @ 0900

Began digging around HERC 1. See figure on pg 15 for hole locations.

Met w/ Flannery + Julie Fix of DEC onsite.

Flannery gave verbal permission to only advance holes in unpaved areas @ the ratio discussed + to still collect 40 samples plus dups

Discussed the fact that we did not have the 2020 report and the 2023 report for HERC 1 said to reference the 2020 report for previously sampled asbestos locations. Unable to collect

Offsite @ 1800

L. Vitale attended community town hall on behalf of BGES - 1800-2000

05-21-25

L. Vitela + J. Acuña onsite @ 0800

Finished digging + collecting samples around HERC 1

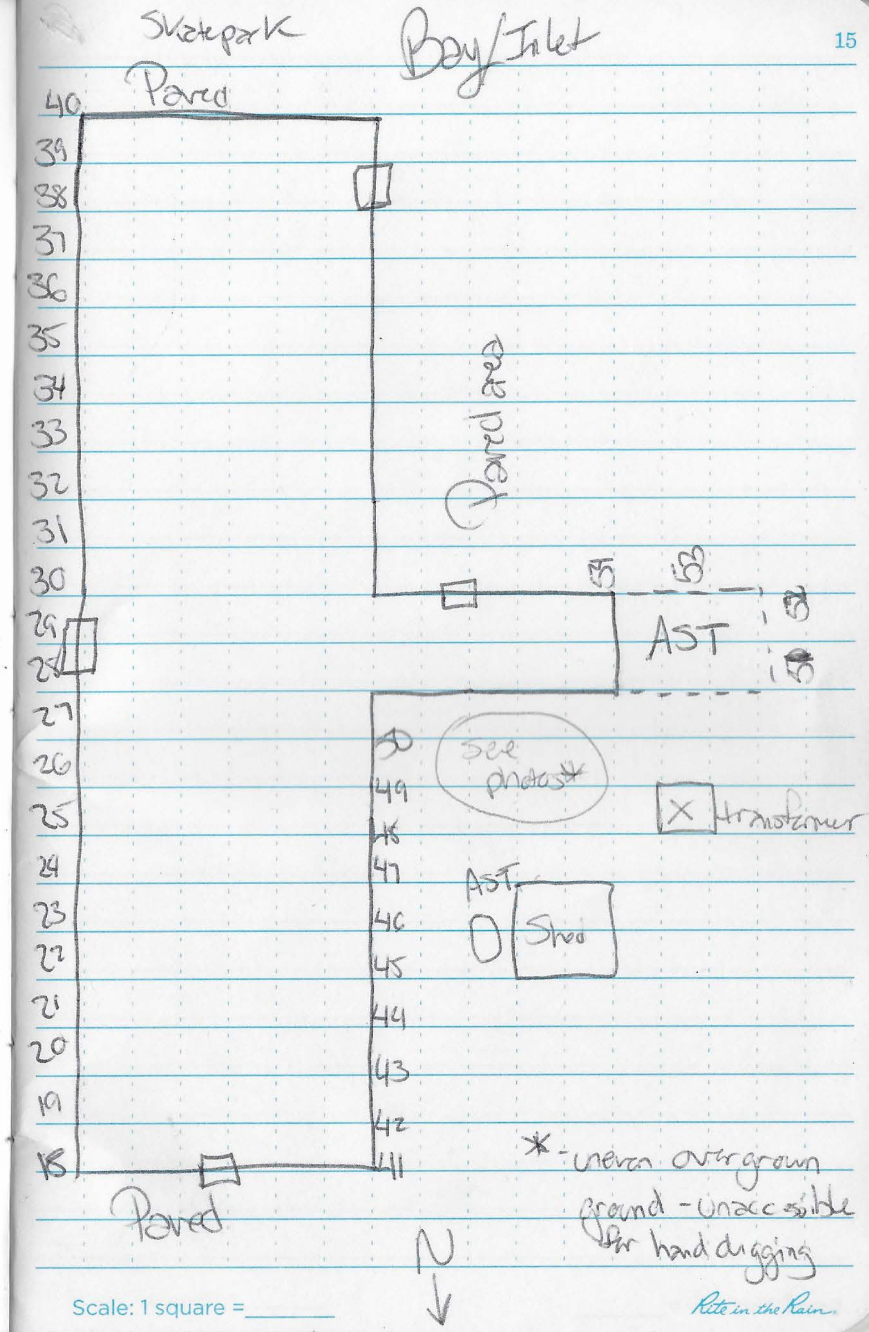
Samples for PCB analysis were selected based on their proximity to transformers, windows, + doors.

Only 2 samples for asbestos analysis were selected - one from each entrance to HERC 2.

Lisa completed the lead inspection

Samples brought to Anc

Metals samples shipped via Goldstreak
Asbestos samples FedExed to EMSL



GPS Coordinates
Homer HERC
Homer, Alaska

Location	Latitude	Longitude	Type
TP 1	59.64268267	-151.5520975	Test Pit
TP 2	59.64268826	-151.5520411	Test Pit
TP 3	59.64267631	-151.5519579	Test Pit
TP 4	59.6426882	-151.5519271	Test Pit
TP 5	59.64270039	-151.5518422	Test Pit
TP 6	59.64268555	-151.5518181	Test Pit
TP 7	59.64266606	-151.5518126	Test Pit
TP 8	59.64263981	-151.55179	Test Pit
TP 9	59.64258198	-151.5517562	Test Pit
TP 10	59.64254114	-151.551748	Test Pit
TP 11	59.64252536	-151.5518163	Test Pit
TP 12	59.64251531	-151.5519209	Test Pit
TP 13	59.64250961	-151.5520031	Test Pit
TP 14	59.6425129	-151.552084	Test Pit
TP 15	59.6425297	-151.552102	Test Pit
TP 16	59.64256602	-151.5521091	Test Pit
TP 17	59.64261124	-151.5521141	Test Pit
TP 18	59.64289335	-151.552571	Test Pit
TP 19	59.64288119	-151.5525606	Test Pit
TP 20	59.64286687	-151.552551	Test Pit
TP 21	59.64284992	-151.5525431	Test Pit
TP 22	59.64283555	-151.5525289	Test Pit
TP 23	59.6427946	-151.5525508	Test Pit
TP 24	59.64275837	-151.5525533	Test Pit
TP 25	59.64274255	-151.5525443	Test Pit
TP 26	59.64272057	-151.5525455	Test Pit
TP 27	59.64269583	-151.5525473	Test Pit
TP 28	59.6426651	-151.552556	Test Pit
TP 29	59.64264025	-151.5525634	Test Pit
TP 30	59.64259673	-151.5525907	Test Pit
TP 31	59.64257639	-151.5525979	Test Pit
TP 32	59.64255632	-151.5526014	Test Pit
TP 33	59.64253867	-151.5526032	Test Pit
TP 34	59.64251262	-151.5526038	Test Pit
TP 35	59.6424921	-151.5525848	Test Pit
TP 36	59.64247183	-151.5525759	Test Pit
TP 37	59.64244787	-151.5525625	Test Pit
TP 38	59.6424141	-151.5525702	Test Pit
TP 39	59.64238317	-151.5525547	Test Pit

GPS Coordinates
Homer HERC
Homer, Alaska

Location	Latitude	Longitude	Type
TP 40	59.64234804	-151.5525543	Test Pit
TP 41	59.64285559	-151.5528924	Test Pit
TP 42	59.64283661	-151.552923	Test Pit
TP 43	59.64281576	-151.5529434	Test Pit
TP 44	59.6427933	-151.5529636	Test Pit
TP 45	59.64275913	-151.5529868	Test Pit
TP 46	59.64273175	-151.5530069	Test Pit
TP 47	59.64270353	-151.5530335	Test Pit
TP 48	59.64268574	-151.5530414	Test Pit
TP 49	59.64264717	-151.5530567	Test Pit
TP 50	59.64263621	-151.5530565	Test Pit
TP 51	59.64258101	-151.5532949	Test Pit
TP 52	59.64255079	-151.5533026	Test Pit
TP 53	59.64251789	-151.5532773	Test Pit
TP 54	59.64251983	-151.5531689	Test Pit
AST 1	59.64254601	-151.5531906	Aboveground Storage Tank
AST 2	59.64272492	-151.5530399	Aboveground Storage Tank
Transformer	59.6427071	-151.5531994	Electrical Transformer
Transformer2	59.64269804	-151.5518055	Electrical Transformer

APPENDIX D
LABORATORY ANALYTICAL DATA

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

908 N. Temperance Ave., Clovis, CA 93611 - Phone 559-275-2175 - www.metirigroup.com

EPA Number: CA00046
Alaska Certification Number: 17-005

June 16, 2025

Lisa Vitale
BGES, Inc. Anchorage
1042 E. 6th Avenue
Anchorage, AK 99501

RE: Homer
25E0110

Enclosed are the results of analyses for samples received by our laboratory on 5/23/2025. If you have any questions concerning this report, please feel free to contact me.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC and DoD QSM. Release of the hard copy has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Sincerely,

Karen Volpendesta
Project Manager

karen.volpendesta@metirigroup.com

Table of Contents

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Work Order Case Narrative

The samples were received in good condition. The samples were subcontracted to SGS North America for method 7471B. KLV 06/04/2025

Analysis Case Narrative

EPA 8082A:
The surrogate, decachlorobiphenyl, recovered below the lower control limit in the sample H2-05-02-051925 (25E 0110-04). Corrective action: none,the low recovery is attributed to the matrix.

EPA 6020B:

In the BEE0337-BLK1, Silver recovered above the PQL. Corrective action: samples were B flagged for Silver.

In the MS/MSD performed on (H2-16-01-051925), several analytes recovered outside of their control limits. These analytes recovered in either the post digestion spike and/or the serial dilution sample. Corrective action: none.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
25E0110-01	H2-01-02-051925	Solid	05/19/2025 13:10	05/23/2025
25E0110-02	H2-02-01-051925	Solid	05/19/2025 13:15	05/23/2025
25E0110-03	H2-04-03-051925	Solid	05/19/2025 13:23	05/23/2025
25E0110-04	H2-05-02-051925	Solid	05/19/2025 13:27	05/23/2025
25E0110-05	H2-06-03-051925	Solid	05/19/2025 13:30	05/23/2025
25E0110-06	H2-08-02-051925	Solid	05/19/2025 13:38	05/23/2025
25E0110-07	H2-09-01-051925	Solid	05/19/2025 13:39	05/23/2025
25E0110-08	H2-09-04-051925	Solid	05/19/2025 13:43	05/23/2025
25E0110-09	H2-10-03-051925	Solid	05/19/2025 13:53	05/23/2025
25E0110-10	H2-10-04-051925	Solid	05/19/2025 13:56	05/23/2025
25E0110-11	H2-11-02-051925	Solid	05/19/2025 13:55	05/23/2025
25E0110-12	H2-12-02-051925	Solid	05/19/2025 13:58	05/23/2025
25E0110-13	H2-13-02-051925	Solid	05/19/2025 13:58	05/23/2025
25E0110-14	H2-14-03-051925	Solid	05/19/2025 14:04	05/23/2025
25E0110-15	H2-16-01-051925	Solid	05/19/2025 14:10	05/23/2025
25E0110-16	H2-17-01-051925	Solid	05/19/2025 14:11	05/23/2025
25E0110-17	H1-21-01-052025	Solid	05/20/2025 16:24	05/23/2025
25E0110-18	H1-22-01-052025	Solid	05/20/2025 16:28	05/23/2025
25E0110-19	H1-23-03-052025	Solid	05/20/2025 16:34	05/23/2025
25E0110-20	H1-24-02-052025	Solid	05/20/2025 16:40	05/23/2025
25E0110-21	H1-25-02-052025	Solid	05/20/2025 16:52	05/23/2025
25E0110-22	H1-26-02-052025	Solid	05/20/2025 16:58	05/23/2025

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results

Sample: H2-01-02-051925
25E0110-01 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	10		0.56	0.078	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	110		0.28	0.078	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.24		0.11	0.033	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	29		0.56	0.084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	43		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.23	J	0.56	0.056	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.11	B	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	89.7		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-02-01-051925
25E0110-02 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	11		0.56	0.078	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	83		0.28	0.078	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.12		0.11	0.034	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	23		0.56	0.084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	12		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.19	J	0.56	0.056	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.073	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	89.3		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-04-03-051925
25E0110-03 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		54	11	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		54	6.5	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		54	3.9	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		54	3.9	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		54	3.9	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		54	3.9	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		54	3.9	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		54	6.5	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		54	6.5	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*72.5%*		*60-125*			*05/29/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	8.4		0.55	0.078	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	77		0.28	0.078	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.13		0.11	0.033	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	27		0.55	0.083	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	8.9		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.18	J	0.55	0.055	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.072	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	89.2		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-05-02-051925
25E0110-04 (Solid)

Semivolatiles

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
AROCLOR 1016	ND		53	11	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		53	6.4	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		53	3.8	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		53	3.8	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		53	3.8	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		53	3.8	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		53	3.8	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		53	6.4	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		53	6.4	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*35.0%*	S1	*60-125*			*05/30/25*	*1*	*EPA 8082A MICROWAVE*	

Metals

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
ARSENIC (AS)	12		0.56	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	120		0.28	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.21		0.11	0.034	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	26		0.56	0.084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	17		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.30	J	0.56	0.056	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.089	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

WetLab

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
% Solids	88.9		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-06-03-051925
25E0110-05 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		52	10	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		52	6.3	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		52	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		52	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		52	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		52	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		52	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		52	6.3	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		52	6.3	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*87.5%*		*60-125*			*05/29/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	5.0		0.51	0.072	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	69		0.26	0.072	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.096	J	0.10	0.031	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	19		0.51	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	5.9		0.10	0.020	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.15	J	0.51	0.051	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.067	B, J	0.10	0.020	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	94.7		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-08-02-051925
25E0110-06 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	11		0.55	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	110		0.27	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.15		0.11	0.033	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	28		0.55	0.082	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	18		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.26	J	0.55	0.055	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.065	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	90.3		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-09-01-051925
25E0110-07 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	9.7		0.55	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	120		0.27	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.23		0.11	0.033	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	28		0.55	0.082	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	33		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.24	J	0.55	0.055	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.078	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	90.5		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-09-04-051925
25E0110-08 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	15		0.55	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	100		0.28	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.16		0.11	0.033	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	25		0.55	0.083	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	22		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.25	J	0.55	0.055	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.075	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	90.6		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-10-03-051925
25E0110-09 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		57	11	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		57	6.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		57	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		57	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		57	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		57	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		57	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		57	6.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		57	6.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*67.5%*		*60-125*			*05/29/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	37		0.57	0.080	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	99		0.29	0.080	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.23		0.11	0.034	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	25		0.57	0.086	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	22		0.11	0.023	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.28	J	0.57	0.057	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.087	B, J	0.11	0.023	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	87.6		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0333

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-10-04-051925
25E0110-10 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		56	11	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		56	6.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		56	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		56	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		56	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		56	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		56	4.1	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		56	6.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		56	6.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*75.0%*		*60-125*			*05/29/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	29		0.56	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	72		0.28	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.16		0.11	0.034	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	24		0.56	0.084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	14		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.26	J	0.56	0.056	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.060	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	88.3		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-11-02-051925
25E0110-11 (Solid)

Metals

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
ARSENIC (AS)	9.8		0.54	0.076	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	81		0.27	0.076	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.10	J	0.11	0.032	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	19		0.54	0.081	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	8.8		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.22	J	0.54	0.054	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.053	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

WetLab

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
% Solids	92.5		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-12-02-051925
25E0110-12 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	0.069		0.0060	0.00084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	1.3		0.0030	0.00084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.0019		0.0012	0.00036	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	0.24		0.0060	0.00090	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	0.57		0.0012	0.00024	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.0032	J	0.0060	0.00060	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.00068	B, J	0.0012	0.00024	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	82.1		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-13-02-051925
25E0110-13 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	9.4		0.57	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	110		0.28	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.16		0.11	0.034	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	24		0.57	0.085	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	24		0.11	0.023	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.31	J	0.57	0.057	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.086	B, J	0.11	0.023	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	88.4		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-14-03-051925
25E0110-14 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	9.0		0.55	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	100		0.28	0.077	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.20		0.11	0.033	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	22		0.55	0.083	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	9.3		0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.25	J	0.55	0.055	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.058	B, J	0.11	0.022	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	88.8		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer HERC Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H2-16-01-051925
25E0110-15 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		53	11	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		53	6.4	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		53	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		53	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		53	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		53	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		53	3.8	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		53	6.4	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		53	6.4	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*70.0%*		*60-125*			*05/29/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.5		0.56	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
BARIUM (BA)	110		0.28	0.079	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CADMIUM (CD)	0.14		0.11	0.034	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
CHROMIUM (CR)	24		0.56	0.084	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
LEAD (PB)	7.9		0.11	0.023	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SELENIUM (SE)	0.20	J	0.56	0.056	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337
SILVER (AG)	0.040	B, J	0.11	0.023	mg/kg dry	06/05/25	1	EPA 6020B	BEE0337

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	88.0		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results

(Continued)

Sample: H2-17-01-051925

25E0110-16 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	13		0.55	0.077	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	120		0.27	0.077	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.18		0.11	0.033	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	23		0.55	0.082	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	9.0		0.11	0.022	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.24	J	0.55	0.055	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.059	J	0.11	0.022	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	89.5		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H1-21-01-052025
25E0110-17 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	6.6		0.60	0.084	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	110		0.30	0.084	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.30		0.12	0.036	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	21		0.60	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	12		0.12	0.024	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.31	J	0.60	0.060	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.064	J	0.12	0.024	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	83.4		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H1-22-01-052025
25E0110-18 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	5.1		0.67	0.094	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	70		0.34	0.094	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.28		0.13	0.040	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	17		0.67	0.10	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	7.3		0.13	0.027	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.54	J	0.67	0.067	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.072	J	0.13	0.027	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	73.8		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H1-23-03-052025
25E0110-19 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	8.6		0.61	0.085	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	120		0.30	0.085	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.17		0.12	0.036	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	24		0.61	0.091	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	13		0.12	0.024	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.33	J	0.61	0.061	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.074	J	0.12	0.024	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	82.4		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H1-24-02-052025
25E0110-20 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	10		0.64	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	130		0.32	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.30		0.13	0.039	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	24		0.64	0.096	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	13		0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.33	J	0.64	0.064	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.089	J	0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	77.9		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H1-25-02-052025
25E0110-21 (Solid)

Metals

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
ARSENIC (AS)	5.9		0.61	0.086	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	88		0.31	0.086	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.15		0.12	0.037	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	21		0.61	0.092	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	9.2		0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.34	J	0.61	0.061	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.063	J	0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

WetLab

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
% Solids	80.7		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer HERC Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Sample Results
(Continued)

Sample: H1-26-02-052025
25E0110-22 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.5		0.62	0.087	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	130		0.31	0.087	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.38		0.12	0.037	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	26		0.62	0.093	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	35		0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.35	J	0.62	0.062	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.15		0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	80.2		2.00	0.750	%	05/27/25	1	ISM02.2	BEE0334

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

PREPARATION BATCH SUMMARY

ISM02.2

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0333 Batch Matrix: Solid Preparation: ISM02.2

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. g
H2-01-02-051925	25E0110-01	05/27/25 03:00	6.00	6.00
H2-02-01-051925	25E0110-02	05/27/25 03:00	6.00	6.00
H2-04-03-051925	25E0110-03	05/27/25 03:00	6.00	6.00
H2-05-02-051925	25E0110-04	05/27/25 03:00	6.00	6.00
H2-06-03-051925	25E0110-05	05/27/25 03:00	6.00	6.00
H2-08-02-051925	25E0110-06	05/27/25 03:00	6.00	6.00
H2-09-01-051925	25E0110-07	05/27/25 03:00	6.00	6.00
H2-09-04-051925	25E0110-08	05/27/25 03:00	6.00	6.00
H2-10-03-051925	25E0110-09	05/27/25 03:00	6.00	6.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

PREPARATION BATCH SUMMARY

ISM02.2

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0334 Batch Matrix: Solid Preparation: ISM02.2

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. g
H2-10-04-051925	25E0110-10	05/27/25 03:00	6.00	6.00
H2-11-02-051925	25E0110-11	05/27/25 03:00	6.00	6.00
H2-12-02-051925	25E0110-12	05/27/25 03:00	6.00	6.00
H2-13-02-051925	25E0110-13	05/27/25 03:00	6.00	6.00
H2-14-03-051925	25E0110-14	05/27/25 03:00	6.00	6.00
H2-16-01-051925	25E0110-15	05/27/25 03:00	6.00	6.00
H2-17-01-051925	25E0110-16	05/27/25 03:00	6.00	6.00
H1-21-01-052025	25E0110-17	05/27/25 03:00	6.00	6.00
H1-22-01-052025	25E0110-18	05/27/25 03:00	6.00	6.00
H1-23-03-052025	25E0110-19	05/27/25 03:00	6.00	6.00
H1-24-02-052025	25E0110-20	05/27/25 03:00	6.00	6.00
H1-25-02-052025	25E0110-21	05/27/25 03:00	6.00	6.00
H1-26-02-052025	25E0110-22	05/27/25 03:00	6.00	6.00
H2-10-04-051925	BEE0334-DUP1	05/27/25 03:00	6.00	6.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0337 Batch Matrix: Solid Preparation: EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
H2-01-02-051925	25E0110-01	05/28/25 08:25	1.00	100.00
H2-02-01-051925	25E0110-02	05/28/25 08:25	1.00	100.00
H2-04-03-051925	25E0110-03	05/28/25 08:25	1.01	100.00
H2-05-02-051925	25E0110-04	05/28/25 08:25	1.00	100.00
H2-06-03-051925	25E0110-05	05/28/25 08:25	1.03	100.00
H2-08-02-051925	25E0110-06	05/28/25 08:25	1.01	100.00
H2-09-01-051925	25E0110-07	05/28/25 08:25	1.01	100.00
H2-09-04-051925	25E0110-08	05/28/25 08:25	1.00	100.00
H2-10-03-051925	25E0110-09	05/28/25 08:25	1.00	100.00
H2-10-04-051925	25E0110-10	05/28/25 08:25	1.01	100.00
H2-11-02-051925	25E0110-11	05/28/25 08:25	1.00	100.00
H2-12-02-051925	25E0110-12	05/28/25 08:25	102.00	100.00
H2-13-02-051925	25E0110-13	05/28/25 08:25	1.00	100.00
H2-14-03-051925	25E0110-14	05/28/25 08:25	1.02	100.00
H2-16-01-051925	25E0110-15	05/28/25 08:25	1.01	100.00
Blank	BEE0337-BLK1	05/28/25 08:25	1.01	100.00
LCS	BEE0337-BS1	05/28/25 08:25	1.01	100.00
LCS Dup	BEE0337-BSD1	05/28/25 08:25	1.00	100.00
H2-16-01-051925	BEE0337-MS1	05/28/25 08:25	1.00	100.00
H2-16-01-051925	BEE0337-MSD1	05/28/25 08:25	1.00	100.00
H2-16-01-051925	BEE0337-SRL1	05/28/25 08:25	1.00	100.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

PREPARATION BATCH SUMMARY

EPA 8082A MICROWAVE

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0346 Batch Matrix: Solid Preparation: EPA 3546 MC/ACE

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
H2-04-03-051925	25E0110-03	05/28/25 08:41	10.42	50.00
H2-05-02-051925	25E0110-04	05/28/25 08:41	10.58	50.00
H2-06-03-051925	25E0110-05	05/28/25 08:41	10.13	50.00
H2-10-03-051925	25E0110-09	05/28/25 08:41	10.07	50.00
H2-10-04-051925	25E0110-10	05/28/25 08:41	10.07	50.00
H2-16-01-051925	25E0110-15	05/28/25 08:41	10.73	50.00
Blank	BEE0346-BLK1	05/28/25 08:41	10.40	50.00
LCS	BEE0346-BS1	05/28/25 08:41	10.11	50.00
LCS Dup	BEE0346-BSD1	05/28/25 08:41	10.59	50.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0354 Batch Matrix: Solid Preparation: EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
H2-17-01-051925	25E0110-16	05/29/25 08:17	1.02	100.00
H1-21-01-052025	25E0110-17	05/29/25 08:17	1.00	100.00
H1-22-01-052025	25E0110-18	05/29/25 08:17	1.01	100.00
H1-23-03-052025	25E0110-19	05/29/25 08:17	1.00	100.00
H1-24-02-052025	25E0110-20	05/29/25 08:17	1.00	100.00
H1-25-02-052025	25E0110-21	05/29/25 08:17	1.01	100.00
H1-26-02-052025	25E0110-22	05/29/25 08:17	1.00	100.00
Blank	BEE0354-BLK1	05/29/25 08:17	1.00	100.00
LCS	BEE0354-BS1	05/29/25 08:17	1.00	100.00
LCS Dup	BEE0354-BSD1	05/29/25 08:17	1.01	100.00
Dilution Check	BEE0354-SRL1	05/29/25 08:17	1.00	100.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Quality Control

Semivolatiles

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 8082A MICROWAVE										
Batch: BEE0346 - EPA 3546 MC/ACE										
Blank (BEE0346-BLK1)					Prepared: 05/28/25 08:41 Analyzed: 05/29/25 18:44					
AROCLOR 1016	ND	48	9.6	ug/kg wet						
AROCLOR 1221	ND	48	5.8	ug/kg wet						
AROCLOR 1232	ND	48	3.5	ug/kg wet						
AROCLOR 1242	ND	48	3.5	ug/kg wet						
AROCLOR 1248	ND	48	3.5	ug/kg wet						
AROCLOR 1254	ND	48	3.5	ug/kg wet						
AROCLOR 1260	ND	48	3.5	ug/kg wet						
AROCLOR 1262	ND	48	5.8	ug/kg wet						
AROCLOR 1268	ND	48	5.8	ug/kg wet						
Surrogate: DECACHLOROBIPHENYL	*188*			*ug/kg wet*	*192*		*97.5*	*60-125*		
LCS (BEE0346-BS1)					Prepared: 05/28/25 08:41 Analyzed: 05/29/25 19:02					
AROCLOR 1016	1070			ug/kg wet	1240		86.8	47-134		
AROCLOR 1260	1030			ug/kg wet	1240		83.6	53-140		
Surrogate: DECACHLOROBIPHENYL	*213*			*ug/kg wet*	*198*		*108*	*60-125*		
LCS Dup (BEE0346-BSD1)					Prepared: 05/28/25 08:41 Analyzed: 05/29/25 19:20					
AROCLOR 1016	878			ug/kg wet	1180		74.4	47-134	20.0	30
AROCLOR 1260	855			ug/kg wet	1180		72.4	53-140	19.0	30
Surrogate: DECACHLOROBIPHENYL	*170*			*ug/kg wet*	*189*		*90.0*	*60-125*		

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Quality Control
(Continued)

Metals

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6020B										
Batch: BEE0337 - EPA 3050B										
Blank (BEE0337-BLK1)					Prepared: 05/28/25 08:25 Analyzed: 06/05/25 16:20					
ARSENIC (AS)	ND	0.50	0.069	mg/kg wet						
BARIUM (BA)	0.167 J	0.25	0.069	mg/kg wet						
CADMIUM (CD)	ND	0.099	0.030	mg/kg wet						
CHROMIUM (CR)	0.140 J	0.50	0.074	mg/kg wet						
LEAD (PB)	0.0584 J	0.099	0.020	mg/kg wet						
SELENIUM (SE)	ND	0.50	0.050	mg/kg wet						
SILVER (AG)	0.206 B	0.099	0.020	mg/kg wet						
LCS (BEE0337-BS1)					Prepared: 05/28/25 08:25 Analyzed: 06/05/25 16:26					
ARSENIC (AS)	27.3			mg/kg wet	24.8		110	82-118		
BARIUM (BA)	27.9			mg/kg wet	24.8		113	86-116		
CADMIUM (CD)	5.49			mg/kg wet	4.95		111	84-116		
CHROMIUM (CR)	28.0			mg/kg wet	24.8		113	83-119		
LEAD (PB)	27.9			mg/kg wet	24.8		113	84-118		
SELENIUM (SE)	27.9			mg/kg wet	24.8		113	80-119		
SILVER (AG)	11.1			mg/kg wet	9.90		112	83-118		
LCS Dup (BEE0337-BSD1)					Prepared: 05/28/25 08:25 Analyzed: 06/05/25 16:31					
ARSENIC (AS)	28.3			mg/kg wet	25.0		113	82-118	3.66	20
BARIUM (BA)	28.7			mg/kg wet	25.0		115	86-116	2.76	20
CADMIUM (CD)	5.67			mg/kg wet	5.00		113	84-116	3.25	20
CHROMIUM (CR)	28.9			mg/kg wet	25.0		116	83-119	3.09	20
LEAD (PB)	28.3			mg/kg wet	25.0		113	84-118	1.52	20
SELENIUM (SE)	29.0			mg/kg wet	25.0		116	80-119	3.68	20
SILVER (AG)	11.3			mg/kg wet	10.0		113	83-118	1.91	20
Matrix Spike (BEE0337-MS1)	**Source: 25E0110-15**				Prepared: 05/28/25 08:25 Analyzed: 06/05/25 18:12					
ARSENIC (AS)	61.3			mg/kg dry	56.8	7.49	94.6	82-118		
BARIUM (BA)	157 MS1			mg/kg dry	56.8	112	80.2	86-116		
CADMIUM (CD)	11.4			mg/kg dry	11.4	0.144	99.2	84-116		
CHROMIUM (CR)	74.7			mg/kg dry	56.8	24.3	88.7	83-119		
LEAD (PB)	65.3			mg/kg dry	56.8	7.94	101	84-118		
SELENIUM (SE)	55.3			mg/kg dry	56.8	0.201	97.0	80-119		
SILVER (AG)	21.6			mg/kg dry	22.7	0.0402	95.1	83-118		

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer HERC Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Quality Control
(Continued)

Metals (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (BEE0337-MSD1)	**Source: 25E0110-15**				Prepared: 05/28/25 08:25	Analyzed: 06/05/25 18:17				
ARSENIC (AS)	66.2			mg/kg dry	56.8	7.49	103	82-118	7.69	20
BARIUM (BA)	183 MS2			mg/kg dry	56.8	112	125	86-116	14.9	20
CADMIUM (CD)	12.7			mg/kg dry	11.4	0.144	111	84-116	10.7	20
CHROMIUM (CR)	83.2			mg/kg dry	56.8	24.3	104	83-119	10.8	20
LEAD (PB)	73.1			mg/kg dry	56.8	7.94	115	84-118	11.2	20
SELENIUM (SE)	62.4			mg/kg dry	56.8	0.201	109	80-119	12.0	20
SILVER (AG)	24.1			mg/kg dry	22.7	0.0402	106	83-118	10.9	20
Post Spike (BEE0337-PS1)	**Source: 25E0110-15**				Prepared: 05/28/25 08:25	Analyzed: 06/05/25 18:22				
ARSENIC (AS)	118			ug/L	125	6.66	89.3	80-120		
BARIUM (BA)	211			ug/L	125	99.2	89.7	80-120		
CADMIUM (CD)	24.5			ug/L	25.0	0.128	97.5	80-120		
CHROMIUM (CR)	136			ug/L	125	21.6	91.6	80-120		
LEAD (PB)	123			ug/L	125	7.06	92.4	80-120		
SELENIUM (SE)	119			ug/L	125	0.179	94.8	80-120		
SILVER (AG)	47.0			ug/L	50.0	0.0357	94.0	80-120		

Method: EPA 6020B

Batch: BEE0354 - EPA 3050B

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (BEE0354-BLK1)					Prepared: 05/29/25 08:17	Analyzed: 06/06/25 16:31				
ARSENIC (AS)	ND	0.50	0.070	mg/kg wet						
BARIUM (BA)	ND	0.25	0.070	mg/kg wet						
CADMIUM (CD)	ND	0.10	0.030	mg/kg wet						
CHROMIUM (CR)	0.0773 J	0.50	0.075	mg/kg wet						
LEAD (PB)	ND	0.10	0.020	mg/kg wet						
SELENIUM (SE)	ND	0.50	0.050	mg/kg wet						
SILVER (AG)	ND	0.10	0.020	mg/kg wet						

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Quality Control
(Continued)

Metals (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (BEE0354-BS1)					Prepared: 05/29/25 08:17 Analyzed: 06/06/25 16:36					
ARSENIC (AS)	24.9			mg/kg wet	25.0		99.8	82-118		
BARIUM (BA)	25.0			mg/kg wet	25.0		99.9	86-116		
CADMIUM (CD)	4.97			mg/kg wet	5.00		99.3	84-116		
CHROMIUM (CR)	24.9			mg/kg wet	25.0		99.8	83-119		
LEAD (PB)	25.1			mg/kg wet	25.0		100	84-118		
SELENIUM (SE)	25.1			mg/kg wet	25.0		100	80-119		
SILVER (AG)	9.80			mg/kg wet	10.0		98.0	83-118		
LCS Dup (BEE0354-BSD1)					Prepared: 05/29/25 08:17 Analyzed: 06/06/25 16:41					
ARSENIC (AS)	25.4			mg/kg wet	24.8		103	82-118	1.92	20
BARIUM (BA)	24.7			mg/kg wet	24.8		100	86-116	0.916	20
CADMIUM (CD)	5.08			mg/kg wet	4.95		103	84-116	2.32	20
CHROMIUM (CR)	25.8			mg/kg wet	24.8		104	83-119	3.27	20
LEAD (PB)	25.0			mg/kg wet	24.8		101	84-118	0.323	20
SELENIUM (SE)	25.4			mg/kg wet	24.8		103	80-119	1.32	20
SILVER (AG)	9.85			mg/kg wet	9.90		99.5	83-118	0.451	20

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Quality Control
(Continued)

WetLab

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: ISM02.2										
Batch: BEE0334 - ISM02.2										
Duplicate (BEE0334-DUP1)	**Source: 25E0110-10**				Prepared & Analyzed: 05/27/25 03:00					
% Solids	88.9			%		88.3			0.752	20
MOISTURE	11.1			%		11.7			5.85	20

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Notes and Definitions

Item	Definition
B	Blank contamination
J	Estimated value
MS1	Matrix spike recovered below the lower control limit
MS2	Matrix spike recovered above the upper control limit
Q	Acceptance criteria not met
S1	Surrogate recovered below the lower control limit
U	Not detected
Dry	Sample results reported on a dry weight basis.
MDL	Method Detection Limit (only displays if reported to the MDL)
ND	Analyte NOT DETECTED at or above the reporting limit.
DF	Dilution Factor
DL	Detection Limit
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

PQL, Practical Quantitation Limit = Method Reporting Limit (MRL).

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer HERC Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

WORK ORDER

25E0110

Printed: 06/16/2025 11:42 am

Project: **Homer**
Project Number: **Homer HERC**
Project Manager: **Karen Volpendesta**
PO Number:

Report To:
BGES, Inc. Anchorage
Lisa Vitale
1042 E. 6th Avenue
Anchorage, AK 99501
Phone: (907) 644-2900

Invoice To:
BGES, Inc. Anchorage
Lisa Vitale
1042 E. 6th Avenue
Anchorage, AK 99501
Phone: (907) 644-2900

Date Received: 05/23/2025 03:45 PM
Date Due: 06/09/2025 (10.00 day TAT)

Logged In By: Shena Koop
Received By: Jake Henige

Analysis		Comments
25E0110-01 H2-01-02-051925 [Solid] Sampled 5/19/2025 1:10:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-02 H2-02-01-051925 [Solid] Sampled 5/19/2025 1:15:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-03 H2-04-03-051925 [Solid] Sampled 5/19/2025 1:23:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0110-04 H2-05-02-051925 [Solid] Sampled 5/19/2025 1:27:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0110-05 H2-06-03-051925 [Solid] Sampled 5/19/2025 1:30:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0110-06 H2-08-02-051925 [Solid] Sampled 5/19/2025 1:38:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-07 H2-09-01-051925 [Solid] Sampled 5/19/2025 1:39:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-08 H2-09-04-051925 [Solid] Sampled 5/19/2025 1:43:00PM		
% Solids	NONE	
6020B	RCRA	

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Analysis		Comments
25E0110-09 H2-10-03-051925 [Solid] Sampled 5/19/2025 1:53:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0110-10 H2-10-04-051925 [Solid] Sampled 5/19/2025 1:56:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0110-11 H2-11-02-051925 [Solid] Sampled 5/19/2025 1:55:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-12 H2-12-02-051925 [Solid] Sampled 5/19/2025 1:58:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-13 H2-13-02-051925 [Solid] Sampled 5/19/2025 1:58:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-14 H2-14-03-051925 [Solid] Sampled 5/19/2025 2:04:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-15 H2-16-01-051925 [Solid] Sampled 5/19/2025 2:10:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0110-16 H2-17-01-051925 [Solid] Sampled 5/19/2025 2:11:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-17 H1-21-01-052025 [Solid] Sampled 5/20/2025 4:24:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-18 H1-22-01-052025 [Solid] Sampled 5/20/2025 4:28:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-19 H1-23-03-052025 [Solid] Sampled 5/20/2025 4:34:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-20 H1-24-02-052025 [Solid] Sampled 5/20/2025 4:40:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-21 H1-25-02-052025 [Solid] Sampled 5/20/2025 4:52:00PM		
% Solids	NONE	
6020B	RCRA	
25E0110-22 H1-26-02-052025 [Solid] Sampled 5/20/2025 4:58:00PM		
% Solids	NONE	
6020B	RCRA	

Samples subcontracted to: SGS North America, Inc.

25E0110-01 H2-01-02-051925 [Solid] Sampled 5/19/2025 1:10:00PM		
7471B	NONE	

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer HERC Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

Analysis	Comments

Samples subcontracted to: SGS North America, Inc.

25E0110-02 H2-02-01-051925 [Solid] Sampled 5/19/2025 1:15:00PM
7471B NONE

25E0110-03 H2-04-03-051925 [Solid] Sampled 5/19/2025 1:23:00PM
7471B NONE

25E0110-04 H2-05-02-051925 [Solid] Sampled 5/19/2025 1:27:00PM
7471B NONE

25E0110-05 H2-06-03-051925 [Solid] Sampled 5/19/2025 1:30:00PM
7471B NONE

25E0110-06 H2-08-02-051925 [Solid] Sampled 5/19/2025 1:38:00PM
7471B NONE

25E0110-07 H2-09-01-051925 [Solid] Sampled 5/19/2025 1:39:00PM
7471B NONE

25E0110-08 H2-09-04-051925 [Solid] Sampled 5/19/2025 1:43:00PM
7471B NONE

25E0110-09 H2-10-03-051925 [Solid] Sampled 5/19/2025 1:53:00PM
7471B NONE

25E0110-10 H2-10-04-051925 [Solid] Sampled 5/19/2025 1:56:00PM
7471B NONE

25E0110-11 H2-11-02-051925 [Solid] Sampled 5/19/2025 1:55:00PM
7471B NONE

25E0110-12 H2-12-02-051925 [Solid] Sampled 5/19/2025 1:58:00PM
7471B NONE

25E0110-13 H2-13-02-051925 [Solid] Sampled 5/19/2025 1:58:00PM
7471B NONE

25E0110-14 H2-14-03-051925 [Solid] Sampled 5/19/2025 2:04:00PM
7471B NONE

25E0110-15 H2-16-01-051925 [Solid] Sampled 5/19/2025 2:10:00PM
7471B NONE

25E0110-16 H2-17-01-051925 [Solid] Sampled 5/19/2025 2:11:00PM
7471B NONE

25E0110-17 H1-21-01-052025 [Solid] Sampled 5/20/2025 4:24:00PM
7471B NONE

25E0110-18 H1-22-01-052025 [Solid] Sampled 5/20/2025 4:28:00PM
7471B NONE

25E0110-19 H1-23-03-052025 [Solid] Sampled 5/20/2025 4:34:00PM
7471B NONE

25E0110-20 H1-24-02-052025 [Solid] Sampled 5/20/2025 4:40:00PM
7471B NONE

25E0110-21 H1-25-02-052025 [Solid] Sampled 5/20/2025 4:52:00PM
7471B NONE

25E0110-22 H1-26-02-052025 [Solid] Sampled 5/20/2025 4:58:00PM
7471B NONE

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer HERC	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/16/2025 11:42

25E0110 **Sample Receipt Log**

Default Cooler

Samples Received at: **3.8°C**

Custody Seals	Yes	Were all containers sealed in separate bags?	Yes
Containers Intact	Yes	Did all containers arrive in good condition?	Yes
COC/Labels Agree	Yes	Correct containers/preserv. for tests indicated?	Yes
Preservation Confirmed	Yes	Sufficient volume sent for tests requested?	Yes
Received On Ice	Yes	Vials for volatiles bubble free <6mm diameter?	No
Was a chain of custody received?	Yes	Sufficient remaining holding time for analyses?	Yes
COCs complete/signed in the appropriate places?	Yes	pH of non-VOA preserved containers documented?	No
Sample labels complete? Sample ID, date/time, etc.	Yes	Unpreserved vials received for VOA analysis?	No
Did all container labels agree with COCs?	Yes	If "yes", are unpreserved VOA vials noted on Work	No

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

ELECTRONIC CHAIN OF CUSTODY RECORD

Phone: (559) 275-2175
Fax: (559) 275-4422
C.O.C.

Report to: PLEASE PRINT	Invoice to: PLEASE PRINT
Company Name: BGES Inc	Company Name: BGES Inc
Phone: 907-644-2900	Phone: 907-644-2900
Address: 1042 E. 6th Ave, Anchorage, AK 99501	Address: 1042 E. 6th Ave, Anchorage, AK 99501
Fax:	Fax:
Attn: lisa@bgesinc.com, brian@bgesinc.com	Attn: carol@bgesinc.com

Project Name/Number: Homer HERC
Sampler (Print): L. Vitale J. Acuña
Purchase Order Number:
Sampler (Signature): [signatures]

Date Shipped: 05-22-25
Carrier: Goldstreak
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Aq	Sed.	Soil		RCRA 6020/200.8	PCB 8082	TCLP 1311	Comments
H2-01-02-051925	HERC 2	05-19-25	1310	AKST				X		X			Pg 1 of 5
H2-02-01-051925		05-19-25	1315					X		X			Please hold
H2-04-03-051925		05-19-25	1323					X		X	X		all samples
H2-05-02-051925		05-19-25	1327					X		X	X		for TCLP
H2-06-03-051925		05-19-25	1330					X		X	X		We will advise
H2-08-02-051925		05-19-25	1338					X		X			once initial
H2-09-01-051925		05-19-25	1339					X		X			data is received
H2-09-04-051925		05-19-25	1343					X		X			
H2-10-03-051925		05-19-25	1353					X		X	X		
H2-10-04-051925		05-19-25	1356					X		X	X		
H2-11-02-051925		05-19-25	1355					X		X			

Shuttle Temperature: IRB: 4.5/3.8°C

Turnaround Requested: Check one
☒ Standard 2-3 wk ☐ One week ☐ 24/48 Hrs. ☐ Other

Sample Disposal:
☐ Return to client ☒ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	5-22-25	1430					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date 5/23/25	Time 1545	Received at lab by: [signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

Note: The first sampled date of the ARF will be used as the COC number unless indicated otherwise.

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

ELECTRONIC CHAIN OF CUSTODY RECORD

Phone: (559) 275-2175
Fax: (559) 275-4422
C.O.C.

Report to: PLEASE PRINT
Company Name: BGES Inc Phone: 907-644-2900
Address: 1042 E. 6th Ave
Anchorage, AK 99501
Fax:
Attn: lisa@bgesinc.com, brian@bgesinc.com

Invoice to: PLEASE PRINT
Company Name: BGES Inc Phone: 907-644-2900
Address: 1042 E. 6th Ave
Anchorage, AK 99501
Fax:
Attn: carol@bgesinc.com

Project Name/Number: Homer HERC
Sampler (Print): L. Vitale J Acuña
Purchase Order Number:
Sampler (Signature):

Date Shipped: 05-22-25
Carrier: GoldStreak
Waybill No.:
Comments: Page 2 of 5. Please hold all samples for TCLP. We will advise once initial data is received

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Aq	Sed.	Soil		RCRA 6020/200.8	PCB 8082
H2-12-02-051925	HERC 2	05-19-25	1358	AKST				X		X	
H2-13-02-051925	↓	05-19-25	1358	↓				X		X	
H2-14-03-051925	↓	05-19-25	1404	↓				X		X	
H2-16-01-051925	↓	05-19-25	1410	↓				X		X	X
H2-17-01-051925	↓	05-19-25	1411	↓				X		X	
H1-21-01-052025	HERC 1	05-20-25	1624	↓				X		X	
H1-22-01-052025	↓	05-20-25	1628	↓				X		X	
H1-23-03-052025	↓	05-20-25	1634	↓				X		X	
H1-24-02-052025	↓	05-20-25	1640	↓				X		X	
H1-25-02-052025	↓	05-20-25	1652	↓				X		X	
H1-26-02-052025	↓	05-20-25	1658	↓				X		X	

Shuttle Temperature: IRB: 4.5/3.8°C

Turnaround Requested: Check one ☒ Standard 2-3 wk ☐ One week ☐ 24/48 Hrs. ☐ Other

Sample Disposal: ☐ Return to client ☒ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	5.22.25	1430					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date 5/23/25	Time 1045	Received at lab by: [signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

Note: The first sampled date of the ARF will be used as the COC number unless indicated otherwise.

SGS North America

CUSTODY SEAL

Signature:

Date/Time: 05.22.25 1500

SGS North America

CUSTODY SEAL

Signature:

Date/Time: 05.22.25 1500

1545

5/23/25

IRB: 4.5/3.8°C

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

APPL Labs

25E0110; IT

SGS Job Number: FC25078

Sampling Dates: 05/19/25 - 05/20/25

Report to:

APPL Labs
908 N Temperance Ave
Clovis, CA 93611
monica.garcia-strickland@metirigroup.com; karen.volpendesta@metirigroup.com;
eric.ogden@metirigroup.com
ATTN: Karen Volpendesta

Total number of pages in report: 47

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Karen Avila 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

Sections: 1 2 3 4 5 6

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SGS North America Inc.

Sample Summary

APPL Labs

25E0110; IT

Job No: FC25078

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC25078-1	05/19/25	13:10	APPL	05/31/25	SO	Soil	25E0110-01(H2-01-02-051925)
FC25078-2	05/19/25	13:15	APPL	05/31/25	SO	Soil	25E0110-02(H2-02-01-051925)
FC25078-3	05/19/25	13:26	APPL	05/31/25	SO	Soil	25E0110-03(H2-04-03-051925)
FC25078-4	05/19/25	13:27	APPL	05/31/25	SO	Soil	25E0110-04(H2-05-02-051925)
FC25078-5	05/19/25	13:30	APPL	05/31/25	SO	Soil	25E0110-05(H2-06-03-051925)
FC25078-6	05/19/25	13:38	APPL	05/31/25	SO	Soil	25E0110-06(H2-08-02-051925)
FC25078-7	05/19/25	13:39	APPL	05/31/25	SO	Soil	25E0110-07(H2-09-01-051925)
FC25078-8	05/19/25	13:43	APPL	05/31/25	SO	Soil	25E0110-08(H2-09-04-051925)
FC25078-9	05/19/25	13:53	APPL	05/31/25	SO	Soil	25E0110-09(H2-10-03-051925)
FC25078-10	05/19/25	13:56	APPL	05/31/25	SO	Soil	25E0110-10(H2-10-04-051925)
FC25078-11	05/19/25	13:55	APPL	05/31/25	SO	Soil	25E0110-11(H2-11-02-051925)
FC25078-12	05/19/25	13:58	APPL	05/31/25	SO	Soil	25E0110-12(H2-12-02-051925)
FC25078-13	05/19/25	13:58	APPL	05/31/25	SO	Soil	25E0110-13(H2-13-02-051925)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SGS North America Inc.

Sample Summary
(continued)

APPL Labs

Job No: FC25078

25E0110; IT

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC25078-14	05/19/25	14:04	APPL	05/31/25	SO	Soil	25E0110-14(H2-14-03-051925)
FC25078-15	05/19/25	14:10	APPL	05/31/25	SO	Soil	25E0110-15(H2-16-01-051925)
FC25078-16	05/19/25	14:11	APPL	05/31/25	SO	Soil	25E0110-16(H2-17-01-051925)
FC25078-17	05/20/25	16:24	APPL	05/31/25	SO	Soil	25E0110-17(H1-21-01-052025)
FC25078-18	05/20/25	16:28	APPL	05/31/25	SO	Soil	25E0110-18(H1-22-01-052025)
FC25078-19	05/20/25	16:34	APPL	05/31/25	SO	Soil	25E0110-19(H1-23-03-052025)
FC25078-20	05/20/25	16:40	APPL	05/31/25	SO	Soil	25E0110-20(H1-24-02-052025)
FC25078-21	05/20/25	16:52	APPL	05/31/25	SO	Soil	25E0110-21(H1-25-02-052025)
FC25078-22	05/20/25	16:58	APPL	05/31/25	SO	Soil	25E0110-22(H1-26-02-052025)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: APPL Labs **Job No:** FC25078

Site: 25E0110; IT **Report Date** 6/16/2025 1:52:59 PM

On 05/31/2025, 22 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC25078 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP45856

Sample(s) FC25077-18DUP, FC25077-18MS, FC25077-18MSD, FC25077-18SDL were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP45868

Sample(s) FC25078-16DUP, FC25078-16MS, FC25078-16MSD, FC25078-16SDL were used as the QC samples for metals.

General Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN711

Sample(s) FC25077-5DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN721

Sample(s) FC25136-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN722

Sample(s) FC25078-14DUP were used as the QC samples for Solids, Percent.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC25078
Account: APPL Labs
Project: 25E0110; IT
Collected: 05/19/25 thru 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FC25078-1	25E0110-01(H2-01-02-051925)					
Mercury		0.21	0.041		mg/kg	SW846 7471B
FC25078-2	25E0110-02(H2-02-01-051925)					
Mercury		0.086	0.048		mg/kg	SW846 7471B
FC25078-3	25E0110-03(H2-04-03-051925)					
Mercury		0.065	0.040		mg/kg	SW846 7471B
FC25078-4	25E0110-04(H2-05-02-051925)					
Mercury		0.11	0.042		mg/kg	SW846 7471B
FC25078-5	25E0110-05(H2-06-03-051925)					
No hits reported in this sample.						
FC25078-6	25E0110-06(H2-08-02-051925)					
Mercury		0.084	0.043		mg/kg	SW846 7471B
FC25078-7	25E0110-07(H2-09-01-051925)					
Mercury		0.097	0.040		mg/kg	SW846 7471B
FC25078-8	25E0110-08(H2-09-04-051925)					
Mercury		0.099	0.042		mg/kg	SW846 7471B
FC25078-9	25E0110-09(H2-10-03-051925)					
Mercury		0.095	0.044		mg/kg	SW846 7471B
FC25078-10	25E0110-10(H2-10-04-051925)					
Mercury		0.081	0.042		mg/kg	SW846 7471B
FC25078-11	25E0110-11(H2-11-02-051925)					
Mercury		0.051	0.042		mg/kg	SW846 7471B

Summary of Hits

Job Number: FC25078
Account: APPL Labs
Project: 25E0110; IT
Collected: 05/19/25 thru 05/20/25

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FC25078-12	25E0110-12(H2-12-02-051925)					
Mercury		0.27	0.047		mg/kg	SW846 7471B
FC25078-13	25E0110-13(H2-13-02-051925)					
Mercury		0.11	0.045		mg/kg	SW846 7471B
FC25078-14	25E0110-14(H2-14-03-051925)					
Mercury		0.059	0.045		mg/kg	SW846 7471B
FC25078-15	25E0110-15(H2-16-01-051925)					
Mercury		0.094	0.041		mg/kg	SW846 7471B
FC25078-16	25E0110-16(H2-17-01-051925)					
Mercury		0.072	0.045		mg/kg	SW846 7471B
FC25078-17	25E0110-17(H1-21-01-052025)					
Mercury		0.067	0.048		mg/kg	SW846 7471B
FC25078-18	25E0110-18(H1-22-01-052025)					
Mercury		0.13	0.056		mg/kg	SW846 7471B
FC25078-19	25E0110-19(H1-23-03-052025)					
Mercury		0.076	0.045		mg/kg	SW846 7471B
FC25078-20	25E0110-20(H1-24-02-052025)					
Mercury		0.12	0.048		mg/kg	SW846 7471B
FC25078-21	25E0110-21(H1-25-02-052025)					
Mercury		0.075	0.046		mg/kg	SW846 7471B
FC25078-22	25E0110-22(H1-26-02-052025)					
Mercury		0.082	0.046		mg/kg	SW846 7471B

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Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-01(H2-01-02-051925)		
Lab Sample ID:	FC25078-1	Date Sampled:	05/19/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	91.1
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.21	0.041	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-02(H2-02-01-051925)		
Lab Sample ID:	FC25078-2	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	84.7
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.086	0.048	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-03(H2-04-03-051925)			
Lab Sample ID:	FC25078-3		Date Sampled:	05/19/25
Matrix:	SO - Soil		Date Received:	05/31/25
			Percent Solids:	89.1
Project:	25E0110; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.065	0.040	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-04(H2-05-02-051925)		
Lab Sample ID:	FC25078-4	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	89.3
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.11	0.042	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-05(H2-06-03-051925)		
Lab Sample ID:	FC25078-5	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	93.4
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.041	0.041	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-06(H2-08-02-051925)		
Lab Sample ID:	FC25078-6	Date Sampled:	05/19/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	88.5
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.084	0.043	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-07(H2-09-01-051925)		
Lab Sample ID:	FC25078-7	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	90.0
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.097	0.040	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-08(H2-09-04-051925)		
Lab Sample ID:	FC25078-8	Date Sampled:	05/19/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	90.3
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.099	0.042	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-09(H2-10-03-051925)			
Lab Sample ID:	FC25078-9		Date Sampled:	05/19/25
Matrix:	SO - Soil		Date Received:	05/31/25
			Percent Solids:	87.5
Project:	25E0110; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.095	0.044	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0110-10(H2-10-04-051925)		
Lab Sample ID:	FC25078-10	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	89.8
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.081	0.042	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0110-11(H2-11-02-051925)		
Lab Sample ID:	FC25078-11	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	92.7
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.051	0.042	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-12(H2-12-02-051925)		
Lab Sample ID:	FC25078-12	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	81.3
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.27	0.047	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-13(H2-13-02-051925)		
Lab Sample ID:	FC25078-13	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	89.4
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.11	0.045	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0110-14(H2-14-03-051925)		
Lab Sample ID:	FC25078-14	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	88.4
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.059	0.045	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-15(H2-16-01-051925)		
Lab Sample ID:	FC25078-15	Date Sampled:	05/19/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	89.7
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.094	0.041	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-16(H2-17-01-051925)		
Lab Sample ID:	FC25078-16	**Date Sampled:**	05/19/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	90.6
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.072	0.045	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-17(H1-21-01-052025)		
Lab Sample ID:	FC25078-17	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	79.6
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.067	0.048	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0110-18(H1-22-01-052025)		
Lab Sample ID:	FC25078-18	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	74.1
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.13	0.056	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-19(H1-23-03-052025)		
Lab Sample ID:	FC25078-19	Date Sampled:	05/20/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	81.4
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.076	0.045	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0110-20(H1-24-02-052025)		
Lab Sample ID:	FC25078-20	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	78.6
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.12	0.048	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0110-21(H1-25-02-052025)		
Lab Sample ID:	FC25078-21	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	78.1
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.075	0.046	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0110-22(H1-26-02-052025)		
Lab Sample ID:	FC25078-22	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	81.8
Project:	25E0110; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.082	0.046	mg/kg	1	06/14/25	06/14/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21135
(2) Prep QC Batch: MP45868

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- **Chain of Custody**

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER

FC25078

Sending Laboratory:

APPL, LLC
908 N. Temperance Ave.
Clovis, CA 93611
Phone: 559-275-2175
Fax: 559-275-4422

Project Manager: Karen Volpendesta
email: karen.volpendesta@metirigroup.com

Subcontracted Laboratory:

SGS North America, Inc.
4405 Vineland Rd.
Orlando, FL 32811
Phone: (407) 425-6700
Fax:

Requires Foreign Soil Permit: Yes
DOD: No Report Level: L2

EDDs required: Standard Excel

Work Order: 25E0110 TAT: 10 Disposal Days: 60

Analysis	Comments

1 **Sample ID: 25E0110-01 (H2-01-02-051925)** ***Solid Sampled: 05/19/2025 13:10***
7471B
Containers Supplied:

2 **Sample ID: 25E0110-02 (H2-02-01-051925)** ***Solid Sampled: 05/19/2025 13:15***
7471B
Containers Supplied:

3 **Sample ID: 25E0110-03 (H2-04-03-051925)** ***Solid Sampled: 05/19/2025 13:23***
7471B
Containers Supplied:

4 **Sample ID: 25E0110-04 (H2-05-02-051925)** ***Solid Sampled: 05/19/2025 13:27***
7471B
Containers Supplied:

5 **Sample ID: 25E0110-05 (H2-06-03-051925)** ***Solid Sampled: 05/19/2025 13:30***
7471B
Containers Supplied:

6 **Sample ID: 25E0110-06 (H2-08-02-051925)** ***Solid Sampled: 05/19/2025 13:38***
7471B

FC25078: Chain of Custody
Page 1 of 5

INITIAL ASSESSMENT
VERIFICATION

Released By	Date\Time	Received By	Date\Time
[signature]	5/29/25 14:20	[signature]	5/31/25 1100

3.01 R#1

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER
(Continued)

FC25078

Work Order: 25E0110 (Continued) TAT: 10 Disposal Days: 60

Analysis	Comments

Containers Supplied:

7 **Sample ID: 25E0110-07 (H2-09-01-051925)** ***Solid Sampled: 05/19/2025 13:39***
7471B
Containers Supplied:

8 **Sample ID: 25E0110-08 (H2-09-04-051925)** ***Solid Sampled: 05/19/2025 13:43***
7471B
Containers Supplied:

9 **Sample ID: 25E0110-09 (H2-10-03-051925)** ***Solid Sampled: 05/19/2025 13:53***
7471B
Containers Supplied:

10 **Sample ID: 25E0110-10 (H2-10-04-051925)** ***Solid Sampled: 05/19/2025 13:56***
7471B
Containers Supplied:

11 **Sample ID: 25E0110-11 (H2-11-02-051925)** ***Solid Sampled: 05/19/2025 13:55***
7471B
Containers Supplied:

12 **Sample ID: 25E0110-12 (H2-12-02-051925)** ***Solid Sampled: 05/19/2025 13:58***
7471B
Containers Supplied:

13 **Sample ID: 25E0110-13 (H2-13-02-051925)** ***Solid Sampled: 05/19/2025 13:58***
7471B
Containers Supplied:

14 **Sample ID: 25E0110-14 (H2-14-03-051925)** ***Solid Sampled: 05/19/2025 14:04***

FC25078: Chain of Custody
Page 2 of 5

Released By	Date\Time	Received By	Date\Time
[signature]	5/29/25 14:20	[signature]	5/31/25 1100

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AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER
(Continued)

FC25078

Work Order: 25E0110 (Continued) TAT: 10 Disposal Days: 60

Analysis	Comments

14 **Sample ID: 25E0110-14 (H2-14-03-051925)** ***Solid Sampled: 05/19/2025 14:04***

7471B

Containers Supplied:

15 **Sample ID: 25E0110-15 (H2-16-01-051925)** ***Solid Sampled: 05/19/2025 14:10***

7471B

Containers Supplied:

16 **Sample ID: 25E0110-16 (H2-17-01-051925)** ***Solid Sampled: 05/19/2025 14:11***

7471B

Containers Supplied:

17 **Sample ID: 25E0110-17 (H1-21-01-052025)** ***Solid Sampled: 05/20/2025 16:24***

7471B

Containers Supplied:

18 **Sample ID: 25E0110-18 (H1-22-01-052025)** ***Solid Sampled: 05/20/2025 16:28***

7471B

Containers Supplied:

19 **Sample ID: 25E0110-19 (H1-23-03-052025)** ***Solid Sampled: 05/20/2025 16:34***

7471B

Containers Supplied:

20 **Sample ID: 25E0110-20 (H1-24-02-052025)** ***Solid Sampled: 05/20/2025 16:40***

7471B

Containers Supplied:

21 **Sample ID: 25E0110-21 (H1-25-02-052025)** ***Solid Sampled: 05/20/2025 16:52***

7471B

Containers Supplied:

FC25078: Chain of Custody
Page 3 of 5

Released By	Date\Time	Received By	Date\Time
[signature]	5/20/25 14:20	[signature]	5/31/25 1100

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AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER
(Continued)

FC25078

Work Order: 25E0110 (Continued) TAT: 10 Disposal Days: 60

Analysis	Comments

22 **Sample ID: 25E0110-22 (H1-26-02-052025)** ***Solid Sampled: 05/20/2025 16:58***

7471B

Containers Supplied:

5.1
5

FC25078: Chain of Custody
Page 4 of 5

Released By ______ Date\Time 5/20/25 14:20 Received By ______ Date\Time 5/31/25 1100

SGS - Orlando Sample Receipt Summary

Job Number: fc25078 **Client:** APPL **Project:** 25E0110

Date / Time Received: 5/31/2025 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 444747359980

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Informatio	Y	N
1. Custody Seals Present:	☑	☐
2. Custody Seals Intact:	☑	☐
3. Temp criteria achieved:	☑	☐
4. Cooler temp verification:	IR Gun	
5. Cooler media:	Ice (Bag)	

Trip Blank Information	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
	W	**S**	**N/A**
3. Type of TB Received	☐	☐	☑

Sample Information	Y	N	N/A
1. Sample labels present on bottles:	☑	☐	
2. Samples presented properly	☑	☐	
3. Sufficient volume/containers recv'd for analysi	☑	☐	
4. Condition of sample:	Intact		
5. Sample recv'd within HT	☑	☐	
6. Dates/Times/IDs on COC match sample labe	☑	☐	
7. VOCs have headspace	☐	☐	☑
8. Bottles received for unspecified tests	☐	☑	
9. Compositing instructions clear	☐	☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐	☐	☑
11. % Solids Jar Received?	☑	☐	☐
12. Residual Chlorine Present?	☐	☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) 0-14 210224

Residual Chlorine Test Strip Lot

Comments

Sample Receipt Summary 112723 EK Technician: HALEIGHR Date: 5/31/2025 12:24:22 PM Reviewer: Date:

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- **Method Blank Summaries**
- **Matrix Spike and Duplicate Summaries**
- **Blank Spike and Lab Control Sample Summaries**
- **Serial Dilution Summaries**

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0016	<0.042

Associated samples MP45856: FC25078-1, FC25078-2, FC25078-3, FC25078-4, FC25078-5, FC25078-6, FC25078-7, FC25078-8, FC25078-9, FC25078-10, FC25078-11, FC25078-12, FC25078-13, FC25078-14, FC25078-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.1

6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25077-18 Original	DUP	RPD	QC Limits	FC25077-18 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.075	0.074	1.3	0-20	0.075	0.35	0.26	105.6	80-120

Associated samples MP45856: FC25078-1, FC25078-2, FC25078-3, FC25078-4, FC25078-5, FC25078-6, FC25078-7, FC25078-8, FC25078-9, FC25078-10, FC25078-11, FC25078-12, FC25078-13, FC25078-14, FC25078-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25077-18 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.075	0.34	0.26	101.8	2.9	20

Associated samples MP45856: FC25078-1, FC25078-2, FC25078-3, FC25078-4, FC25078-5, FC25078-6, FC25078-7, FC25078-8, FC25078-9, FC25078-10, FC25078-11, FC25078-12, FC25078-13, FC25078-14, FC25078-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

6.1.2

6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.27	0.25	108.0	80-120

Associated samples MP45856: FC25078-1, FC25078-2, FC25078-3, FC25078-4, FC25078-5, FC25078-6, FC25078-7, FC25078-8, FC25078-9, FC25078-10, FC25078-11, FC25078-12, FC25078-13, FC25078-14, FC25078-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date:

Metal	FC25077-18 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.854	0.936	9.6	0-10

Associated samples MP45856: FC25078-1, FC25078-2, FC25078-3, FC25078-4, FC25078-5, FC25078-6, FC25078-7, FC25078-8, FC25078-9, FC25078-10, FC25078-11, FC25078-12, FC25078-13, FC25078-14, FC25078-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45868
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	0.0011	<0.042

Associated samples MP45868: FC25078-16, FC25078-17, FC25078-18, FC25078-19, FC25078-20, FC25078-21, FC25078-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45868
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25078-16 Original	DUP	RPD	QC Limits	FC25078-16 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.072	0.067	7.2	0-20	0.072	0.34	0.259	103.6	80-120

Associated samples MP45868: FC25078-16, FC25078-17, FC25078-18, FC25078-19, FC25078-20, FC25078-21, FC25078-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45868
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25078-16 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.072	0.35	0.267	104.1	2.9	20

Associated samples MP45868: FC25078-16, FC25078-17, FC25078-18, FC25078-19, FC25078-20, FC25078-21, FC25078-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45868
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.25	0.25	100.0	80-120

Associated samples MP45868: FC25078-16, FC25078-17, FC25078-18, FC25078-19, FC25078-20, FC25078-21, FC25078-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FC25078
Account: APPLLCAC - APPL Labs
Project: 25E0110; IT

QC Batch ID: MP45868
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date:

Metal	FC25078-16 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.814	0.753	7.5	0-10

Associated samples MP45868: FC25078-16, FC25078-17, FC25078-18, FC25078-19, FC25078-20, FC25078-21, FC25078-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

908 N. Temperance Ave., Clovis, CA 93611 - Phone 559-275-2175 - www.metirigroup.com

EPA Number: CA00046
Alaska Certification Number: 17-005

July 01, 2025

Lisa Vitale
BGES, Inc. Anchorage
1042 E. 6th Avenue
Anchorage, AK 99501

RE: Homer
25E0111

Enclosed are the results of analyses for samples received by our laboratory on 5/23/2025. If you have any questions concerning this report, please feel free to contact me.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC and DoD QSM. Release of the hard copy has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Sincerely,

Karen Volpendesta

Karen Volpendesta
Project Manager

karen.volpendesta@metirigroup.com

Table of Contents

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Work Order Case Narrative

The samples were received in good condition. The samples were subcontracted to SGS North America for method 7471B. KLV 06/04/2025

Revision 1: per client, this report is being issued to report TCLP Lead for sample H1-53-03-052125 (25E0111-22). KLV 07/01/2025

Analysis Case Narrative

EPA 6020B:

In the MS/MSD's performed on (H1-35-03-052125 and H1-27-01-052025), several analytes recovered outside of their control limits. These analytes recovered in either the post digestion spike and/or the serial dilution sample. Corrective action: none.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
25E0111-01	H1-27-01-052025	Solid	05/20/2025 17:00	05/23/2025
25E0111-02	H1-28-01-052025	Solid	05/20/2025 17:05	05/23/2025
25E0111-03	H1-29-01-052025	Solid	05/20/2025 17:10	05/23/2025
25E0111-04	H1-31-02-052025	Solid	05/20/2025 17:23	05/23/2025
25E0111-05	H1-32-03-052125	Solid	05/20/2025 09:10	05/23/2025
25E0111-06	H1-33-01-052125	Solid	05/21/2025 09:13	05/23/2025
25E0111-07	H1-34-01-052125	Solid	05/21/2025 09:18	05/23/2025
25E0111-08	H1-35-03-052125	Solid	05/21/2025 09:21	05/23/2025
25E0111-09	H1-37-03-052125	Solid	05/21/2025 09:31	05/23/2025
25E0111-10	H1-38-02-052125	Solid	05/21/2025 09:37	05/23/2025
25E0111-11	H1-38-04-052125	Solid	05/21/2025 09:38	05/23/2025
25E0111-12	H1-39-03-052125	Solid	05/21/2025 09:42	05/23/2025
25E0111-13	H1-42-02-052125	Solid	05/21/2025 09:55	05/23/2025
25E0111-14	H1-43-03-052125	Solid	05/21/2025 10:00	05/23/2025
25E0111-15	H1-43-04-052125	Solid	05/21/2025 10:01	05/23/2025
25E0111-16	H1-44-03-052125	Solid	05/21/2025 10:07	05/23/2025
25E0111-17	H1-45-01-052125	Solid	05/21/2025 10:11	05/23/2025
25E0111-18	H1-46-03-052125	Solid	05/21/2025 10:15	05/23/2025
25E0111-19	H1-47-01-052125	Solid	05/21/2025 10:20	05/23/2025
25E0111-20	H1-49-01-052125	Solid	05/21/2025 10:40	05/23/2025
25E0111-21	H1-50-02-052125	Solid	05/21/2025 10:41	05/23/2025
25E0111-22	H1-53-03-052125	Solid	05/21/2025 11:45	05/23/2025

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results

Sample: H1-27-01-052025

25E0111-01 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	10		0.61	0.086	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	110		0.31	0.086	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.15		0.12	0.037	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	35		0.61	0.092	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	8.0		0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.46	J	0.61	0.061	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.063	J	0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	81.4		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results

(Continued)

Sample: H1-28-01-052025

25E0111-02 (Solid)

Analyte	Result /Qual		PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		56	11	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		56	6.7	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		56	4.0	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		56	4.0	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		56	4.0	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		56	4.0	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	120		56	4.0	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		56	6.7	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		56	6.7	ug/kg dry	05/29/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*60.0%*		*60-125*			*05/29/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result /Qual		PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	12		0.57	0.080	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	78		0.29	0.080	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.21		0.11	0.034	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	26		0.57	0.086	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	15		0.11	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.30	J	0.57	0.057	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.13		0.11	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result /Qual		PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	86.5		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results

(Continued)

Sample: H1-29-01-052025

25E0111-03 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	11		0.57	0.080	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	110		0.28	0.080	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.20		0.11	0.034	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	27		0.57	0.085	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	12		0.11	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.33	J	0.57	0.057	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.083	J	0.11	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	87.1		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-31-02-052025
25E0111-04 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	8.4		0.64	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	110		0.32	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.11	J	0.13	0.039	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	25		0.64	0.096	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	7.8		0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.44	J	0.64	0.064	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.065	J	0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	77.8		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-32-03-052125
25E0111-05 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.9		0.65	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	120		0.32	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.16		0.13	0.039	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	26		0.65	0.097	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	8.7		0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.44	J	0.65	0.065	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.073	J	0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	77.4		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-33-01-052125
25E0111-06 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	6.1		0.74	0.10	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	87		0.37	0.10	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.42		0.15	0.044	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	22		0.74	0.11	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	10		0.15	0.030	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.58	J	0.74	0.074	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.069	J	0.15	0.030	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	67.0		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-34-01-052125
25E0111-07 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	8.1		0.64	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	88		0.32	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.18		0.13	0.039	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	24		0.64	0.096	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	9.5		0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.39	J	0.64	0.064	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.062	J	0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	77.9		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-35-03-052125
25E0111-08 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.9		0.67	0.094	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
BARIUM (BA)	130		0.34	0.094	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CADMIUM (CD)	0.22		0.13	0.040	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
CHROMIUM (CR)	26		0.67	0.10	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
LEAD (PB)	11		0.13	0.027	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SELENIUM (SE)	0.41	J	0.67	0.067	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354
SILVER (AG)	0.069	J	0.13	0.027	mg/kg dry	06/06/25	1	EPA 6020B	BEE0354

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	73.5		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results

(Continued)

Sample: H1-37-03-052125

25E0111-09 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	8.1		0.63	0.088	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	110		0.32	0.088	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.14		0.13	0.038	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	25		0.63	0.095	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	8.7		0.13	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.37	J	0.63	0.063	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.055	J	0.13	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	77.7		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-38-02-052125
25E0111-10 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	6.7		0.64	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	110		0.32	0.090	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.34		0.13	0.039	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	22		0.64	0.096	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	22		0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.37	J	0.64	0.064	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.059	J	0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	76.3		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-38-04-052125
25E0111-11 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	6.1		0.66	0.092	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	100		0.33	0.092	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.27		0.13	0.039	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	21		0.66	0.099	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	23		0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.33	J	0.66	0.066	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.057	J	0.13	0.026	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	76.1		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0352

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-39-03-052125
25E0111-12 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	11		0.62	0.087	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	86		0.31	0.087	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.14		0.12	0.037	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	23		0.62	0.094	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	14		0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.37	J	0.62	0.062	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.061	J	0.12	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	80.0		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results

(Continued)

Sample: H1-42-02-052125

25E0111-13 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	11		0.58	0.081	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	170		0.29	0.081	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.15		0.12	0.035	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	35		0.58	0.087	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	13		0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.38	J	0.58	0.058	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.090	J	0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	86.7		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-43-03-052125
25E0111-14 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch

Semivolatiles

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
AROCLOR 1016	ND		59	12	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		59	7.1	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		59	4.2	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		59	4.2	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		59	4.2	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		59	4.2	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		59	4.2	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		59	7.1	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		59	7.1	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*62.5%*		*60-125*			*05/30/25*	*1*	*EPA 8082A MICROWAVE*	

Metals

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
ARSENIC (AS)	8.2		0.59	0.082	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	160		0.29	0.082	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.20		0.12	0.035	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	26		0.59	0.088	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	14		0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.29	J	0.59	0.059	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.085	J	0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

WetLab

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
% Solids	84.5		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-43-04-052125
25E0111-15 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	9.1		0.58	0.081	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	190		0.29	0.081	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.27		0.12	0.035	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	24		0.58	0.087	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	13		0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.28	J	0.58	0.058	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.077	J	0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	84.4		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-44-03-052125
25E0111-16 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	8.9		0.56	0.078	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	120		0.28	0.078	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.17		0.11	0.033	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	23		0.56	0.083	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	8.5		0.11	0.022	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.27	J	0.56	0.056	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.065	J	0.11	0.022	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	89.9		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-45-01-052125
25E0111-17 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.1		0.58	0.081	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	170		0.29	0.081	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.21		0.12	0.035	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	30		0.58	0.086	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	14		0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.32	J	0.58	0.058	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.067	J	0.12	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	87.0		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results

(Continued)

Sample: H1-46-03-052125

25E0111-18 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.9		0.56	0.079	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	120		0.28	0.079	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.15		0.11	0.034	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	26		0.56	0.084	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	8.3		0.11	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.24	J	0.56	0.056	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.059	J	0.11	0.023	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	87.9		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-47-01-052125
25E0111-19 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	5.6		0.51	0.071	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	71		0.25	0.071	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.13		0.10	0.030	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	21		0.51	0.076	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	4.2		0.10	0.020	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.13	J	0.51	0.051	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.046	J	0.10	0.020	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	98.4		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-49-01-052125
25E0111-20 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Semivolatiles									
AROCLOR 1016	ND		49	9.8	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1221	ND		49	5.9	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1232	ND		49	3.5	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1242	ND		49	3.5	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1248	ND		49	3.5	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1254	ND		49	3.5	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1260	ND		49	3.5	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1262	ND		49	5.9	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
AROCLOR 1268	ND		49	5.9	ug/kg dry	05/30/25	1	EPA 8082A MICROWAVE	BEE0346
Surrogate: DECACHLOROBIPHENYL	*80.0%*		*60-125*			*05/30/25*	*1*	*EPA 8082A MICROWAVE*	

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	5.3		0.51	0.071	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	63		0.25	0.071	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.15		0.10	0.030	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	30		0.51	0.076	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	6.0		0.10	0.020	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.12	J	0.51	0.051	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.048	J	0.10	0.020	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	98.5		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-50-02-052125
25E0111-21 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	4.8		0.50	0.069	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	61		0.25	0.069	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.073	J	0.099	0.030	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	17		0.50	0.074	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	3.2		0.099	0.020	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.099	J	0.50	0.050	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.036	J	0.099	0.020	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	97.9		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Sample Results
(Continued)

Sample: H1-53-03-052125

25E0111-22 (Solid)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	7.3		0.63	0.088	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
BARIUM (BA)	140		0.31	0.088	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CADMIUM (CD)	0.40		0.13	0.038	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
CHROMIUM (CR)	22		0.63	0.094	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	190		0.13	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SELENIUM (SE)	0.25	J	0.63	0.063	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
SILVER (AG)	0.24		0.13	0.025	mg/kg dry	06/06/25	1	EPA 6020B	BEE0374
LEAD (PB)	340		3.0	0.19	ug/L	06/26/25	1	EPA 6020B TCLP	BEF0368

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
WetLab									
% Solids	78.9		2.00	0.750	%	05/28/25	1	ISM02.2	BEE0353

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

PREPARATION BATCH SUMMARY

EPA 8082A MICROWAVE

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0346 Batch Matrix: Solid Preparation: EPA 3546 MC/ACE

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
H1-28-01-052025	25E0111-02	05/28/25 08:41	10.39	50.00
H1-43-03-052125	25E0111-14	05/28/25 08:41	10.03	50.00
H1-49-01-052125	25E0111-20	05/28/25 08:41	10.38	50.00
Blank	BEE0346-BLK1	05/28/25 08:41	10.40	50.00
LCS	BEE0346-BS1	05/28/25 08:41	10.11	50.00
LCS Dup	BEE0346-BSD1	05/28/25 08:41	10.59	50.00
H1-49-01-052125	BEE0346-MS1	05/28/25 08:41	10.31	50.00
H1-49-01-052125	BEE0346-MSD1	05/28/25 08:41	10.16	50.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

PREPARATION BATCH SUMMARY

ISM02.2

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0352 Batch Matrix: Solid Preparation: ISM02.2

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. g
H1-27-01-052025	25E0111-01	05/28/25 10:30	6.00	6.00
H1-28-01-052025	25E0111-02	05/28/25 10:30	6.00	6.00
H1-29-01-052025	25E0111-03	05/28/25 10:30	6.00	6.00
H1-31-02-052025	25E0111-04	05/28/25 10:30	6.00	6.00
H1-32-03-052125	25E0111-05	05/28/25 10:30	6.00	6.00
H1-33-01-052125	25E0111-06	05/28/25 10:30	6.00	6.00
H1-34-01-052125	25E0111-07	05/28/25 10:30	6.00	6.00
H1-35-03-052125	25E0111-08	05/28/25 10:30	6.00	6.00
H1-37-03-052125	25E0111-09	05/28/25 10:30	6.00	6.00
H1-38-02-052125	25E0111-10	05/28/25 10:30	6.00	6.00
H1-38-04-052125	25E0111-11	05/28/25 10:30	6.00	6.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

PREPARATION BATCH SUMMARY

ISM02.2

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0353 Batch Matrix: Solid Preparation: ISM02.2

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. g
H1-39-03-052125	25E0111-12	05/28/25 10:30	6.00	6.00
H1-42-02-052125	25E0111-13	05/28/25 10:30	6.00	6.00
H1-43-03-052125	25E0111-14	05/28/25 10:30	6.00	6.00
H1-43-04-052125	25E0111-15	05/28/25 10:30	6.00	6.00
H1-44-03-052125	25E0111-16	05/28/25 10:30	6.00	6.00
H1-45-01-052125	25E0111-17	05/28/25 10:30	6.00	6.00
H1-46-03-052125	25E0111-18	05/28/25 10:30	6.00	6.00
H1-47-01-052125	25E0111-19	05/28/25 10:30	6.00	6.00
H1-49-01-052125	25E0111-20	05/28/25 10:30	6.00	6.00
H1-50-02-052125	25E0111-21	05/28/25 10:30	6.00	6.00
H1-53-03-052125	25E0111-22	05/28/25 10:30	6.00	6.00
H1-39-03-052125	BEE0353-DUP1	05/28/25 10:30	6.00	6.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0354 Batch Matrix: Solid Preparation: EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
H1-27-01-052025	25E0111-01	05/29/25 08:17	1.00	100.00
H1-28-01-052025	25E0111-02	05/29/25 08:17	1.01	100.00
H1-29-01-052025	25E0111-03	05/29/25 08:17	1.01	100.00
H1-31-02-052025	25E0111-04	05/29/25 08:17	1.00	100.00
H1-32-03-052125	25E0111-05	05/29/25 08:17	1.00	100.00
H1-33-01-052125	25E0111-06	05/29/25 08:17	1.01	100.00
H1-34-01-052125	25E0111-07	05/29/25 08:17	1.00	100.00
H1-35-03-052125	25E0111-08	05/29/25 08:17	1.01	100.00
Blank	BEE0354-BLK1	05/29/25 08:17	1.00	100.00
LCS	BEE0354-BS1	05/29/25 08:17	1.00	100.00
LCS Dup	BEE0354-BSD1	05/29/25 08:17	1.01	100.00
H1-35-03-052125	BEE0354-MS1	05/29/25 08:17	1.00	100.00
H1-35-03-052125	BEE0354-MSD1	05/29/25 08:17	1.00	100.00
H1-35-03-052125	BEE0354-SRL1	05/29/25 08:17	1.00	100.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0374 Batch Matrix: Solid Preparation: EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
H1-37-03-052125	25E0111-09	05/30/25 08:19	1.02	100.00
H1-38-02-052125	25E0111-10	05/30/25 08:19	1.02	100.00
H1-38-04-052125	25E0111-11	05/30/25 08:19	1.00	100.00
H1-39-03-052125	25E0111-12	05/30/25 08:19	1.00	100.00
H1-42-02-052125	25E0111-13	05/30/25 08:19	1.00	100.00
H1-43-03-052125	25E0111-14	05/30/25 08:19	1.01	100.00
H1-43-04-052125	25E0111-15	05/30/25 08:19	1.02	100.00
H1-44-03-052125	25E0111-16	05/30/25 08:19	1.00	100.00
H1-45-01-052125	25E0111-17	05/30/25 08:19	1.00	100.00
H1-46-03-052125	25E0111-18	05/30/25 08:19	1.01	100.00
H1-47-01-052125	25E0111-19	05/30/25 08:19	1.00	100.00
H1-49-01-052125	25E0111-20	05/30/25 08:19	1.00	100.00
H1-50-02-052125	25E0111-21	05/30/25 08:19	1.03	100.00
H1-53-03-052125	25E0111-22	05/30/25 08:19	1.01	100.00
Blank	BEE0374-BLK1	05/30/25 08:19	1.00	100.00
LCS	BEE0374-BS1	05/30/25 08:19	1.00	100.00
LCS Dup	BEE0374-BSD1	05/30/25 08:19	1.01	100.00
H1-53-03-052125	BEE0374-MS1	05/30/25 08:19	1.00	100.00
H1-53-03-052125	BEE0374-MSD1	05/30/25 08:19	1.01	100.00
H1-53-03-052125	BEE0374-SRL1	05/30/25 08:19	1.00	100.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

PREPARATION BATCH SUMMARY

EPA 6020B TCLP

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEF0368 Batch Matrix: Solid Preparation: EPA 3010A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
H1-53-03-052125	25E0111-22	06/26/25 08:50	50.00	50.00
Blank	BEF0368-BLK1	06/26/25 08:50	50.00	50.00
LCS	BEF0368-BS1	06/26/25 08:50	50.00	50.00
LCS Dup	BEF0368-BSD1	06/26/25 08:50	50.00	50.00
H1-53-03-052125	BEF0368-MS1	06/26/25 08:50	50.00	50.00
H1-53-03-052125	BEF0368-MSD1	06/26/25 08:50	50.00	50.00
H1-53-03-052125	BEF0368-SRL1	06/26/25 08:50	50.00	50.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Quality Control

Semivolatiles

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 8082A MICROWAVE										
Batch: BEE0346 - EPA 3546 MC/ACE										
Blank (BEE0346-BLK1)					Prepared: 05/28/25 08:41	Analyzed: 05/29/25 18:44				
AROCLOR 1016	ND	48	9.6	ug/kg wet						
AROCLOR 1221	ND	48	5.8	ug/kg wet						
AROCLOR 1232	ND	48	3.5	ug/kg wet						
AROCLOR 1242	ND	48	3.5	ug/kg wet						
AROCLOR 1248	ND	48	3.5	ug/kg wet						
AROCLOR 1254	ND	48	3.5	ug/kg wet						
AROCLOR 1260	ND	48	3.5	ug/kg wet						
AROCLOR 1262	ND	48	5.8	ug/kg wet						
AROCLOR 1268	ND	48	5.8	ug/kg wet						
Surrogate: DECACHLOROBIPHENYL	*188*			*ug/kg wet*	*192*		*97.5*	*60-125*		
LCS (BEE0346-BS1)					Prepared: 05/28/25 08:41	Analyzed: 05/29/25 19:02				
AROCLOR 1016	1070			ug/kg wet	1240		86.8	47-134		
AROCLOR 1260	1030			ug/kg wet	1240		83.6	53-140		
Surrogate: DECACHLOROBIPHENYL	*213*			*ug/kg wet*	*198*		*108*	*60-125*		
LCS Dup (BEE0346-BSD1)					Prepared: 05/28/25 08:41	Analyzed: 05/29/25 19:20				
AROCLOR 1016	878			ug/kg wet	1180		74.4	47-134	20.0	30
AROCLOR 1260	855			ug/kg wet	1180		72.4	53-140	19.0	30
Surrogate: DECACHLOROBIPHENYL	*170*			*ug/kg wet*	*189*		*90.0*	*60-125*		
Matrix Spike (BEE0346-MS1)	**Source: 25E0111-20**				Prepared: 05/28/25 08:41	Analyzed: 05/29/25 19:38				
AROCLOR 1016	778			ug/kg dry	1230	ND	63.2	47-134		
AROCLOR 1260	729			ug/kg dry	1230	ND	59.2	53-140		
Surrogate: DECACHLOROBIPHENYL	*153*			*ug/kg dry*	*197*		*77.5*	*60-125*		
Matrix Spike Dup (BEE0346-MSD1)	**Source: 25E0111-20**				Prepared: 05/28/25 08:41	Analyzed: 05/29/25 19:56				
AROCLOR 1016	950			ug/kg dry	1250	ND	76.0	47-134	19.8	30
AROCLOR 1260	870			ug/kg dry	1250	ND	69.6	53-140	17.6	30
Surrogate: DECACHLOROBIPHENYL	*170*			*ug/kg dry*	*200*		*85.0*	*60-125*		

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Quality Control
(Continued)

Metals

Analyte	Result/ Qual	PQL	MDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

Method: EPA 6020B

Batch: BEE0354 - EPA 3050B

Blank (BEE0354-BLK1) Prepared: 05/29/25 08:17 Analyzed: 06/06/25 16:31

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
ARSENIC (AS)	ND	0.50	0.070	mg/kg wet						
BARIUM (BA)	ND	0.25	0.070	mg/kg wet						
CADMIUM (CD)	ND	0.10	0.030	mg/kg wet						
CHROMIUM (CR)	0.0773 J	0.50	0.075	mg/kg wet						
LEAD (PB)	ND	0.10	0.020	mg/kg wet						
SELENIUM (SE)	ND	0.50	0.050	mg/kg wet						
SILVER (AG)	ND	0.10	0.020	mg/kg wet						

LCS (BEE0354-BS1) Prepared: 05/29/25 08:17 Analyzed: 06/06/25 16:36

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
ARSENIC (AS)	24.9			mg/kg wet	25.0		99.8	82-118		
BARIUM (BA)	25.0			mg/kg wet	25.0		99.9	86-116		
CADMIUM (CD)	4.97			mg/kg wet	5.00		99.3	84-116		
CHROMIUM (CR)	24.9			mg/kg wet	25.0		99.8	83-119		
LEAD (PB)	25.1			mg/kg wet	25.0		100	84-118		
SELENIUM (SE)	25.1			mg/kg wet	25.0		100	80-119		
SILVER (AG)	9.80			mg/kg wet	10.0		98.0	83-118		

LCS Dup (BEE0354-BSD1) Prepared: 05/29/25 08:17 Analyzed: 06/06/25 16:41

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
ARSENIC (AS)	25.4			mg/kg wet	24.8		103	82-118	1.92	20
BARIUM (BA)	24.7			mg/kg wet	24.8		100	86-116	0.916	20
CADMIUM (CD)	5.08			mg/kg wet	4.95		103	84-116	2.32	20
CHROMIUM (CR)	25.8			mg/kg wet	24.8		104	83-119	3.27	20
LEAD (PB)	25.0			mg/kg wet	24.8		101	84-118	0.323	20
SELENIUM (SE)	25.4			mg/kg wet	24.8		103	80-119	1.32	20
SILVER (AG)	9.85			mg/kg wet	9.90		99.5	83-118	0.451	20

Matrix Spike (BEE0354-MS1) **Source: 25E0111-08** Prepared: 05/29/25 08:17 Analyzed: 06/06/25 18:21

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
ARSENIC (AS)	65.4			mg/kg dry	68.0	7.88	84.6	82-118		
BARIUM (BA)	208			mg/kg dry	68.0	131	114	86-116		
CADMIUM (CD)	13.1			mg/kg dry	13.6	0.219	94.8	84-116		
CHROMIUM (CR)	82.2 MS1			mg/kg dry	68.0	25.8	82.9	83-119		
LEAD (PB)	89.8			mg/kg dry	68.0	10.9	116	84-118		
SELENIUM (SE)	62.7			mg/kg dry	68.0	0.405	91.6	80-119		
SILVER (AG)	30.1			mg/kg dry	27.2	0.0692	110	83-118		

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Quality Control
(Continued)

Metals (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (BEE0354-MSD1)	**Source: 25E0111-08**				Prepared: 05/29/25 08:17	Analyzed: 06/06/25 18:26				
ARSENIC (AS)	68.3			mg/kg dry	68.0	7.88	88.9	82-118	4.33	20
BARIUM (BA)	200			mg/kg dry	68.0	131	103	86-116	3.82	20
CADMIUM (CD)	13.8			mg/kg dry	13.6	0.219	99.9	84-116	5.15	20
CHROMIUM (CR)	85.7			mg/kg dry	68.0	25.8	88.1	83-119	4.14	20
LEAD (PB)	90.1			mg/kg dry	68.0	10.9	117	84-118	0.424	20
SELENIUM (SE)	65.6			mg/kg dry	68.0	0.405	95.9	80-119	4.53	20
SILVER (AG)	30.3			mg/kg dry	27.2	0.0692	111	83-118	0.866	20
Post Spike (BEE0354-PS1)	**Source: 25E0111-08**				Prepared: 05/29/25 08:17	Analyzed: 06/06/25 18:31				
ARSENIC (AS)	115			ug/L	125	5.85	87.0	80-120		
BARIUM (BA)	190 Q			ug/L	125	97.0	74.6	80-120		
CADMIUM (CD)	23.5			ug/L	25.0	0.163	93.3	80-120		
CHROMIUM (CR)	129			ug/L	125	19.2	87.5	80-120		
LEAD (PB)	119			ug/L	125	8.11	88.4	80-120		
SELENIUM (SE)	114			ug/L	125	0.301	90.8	80-120		
SILVER (AG)	44.7			ug/L	50.0	0.0514	89.3	80-120		

Method: EPA 6020B

Batch: BEE0374 - EPA 3050B

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (BEE0374-BLK1)					Prepared: 05/30/25 08:19	Analyzed: 06/06/25 18:51				
ARSENIC (AS)	ND	0.50	0.070	mg/kg wet						
BARIUM (BA)	ND	0.25	0.070	mg/kg wet						
CADMIUM (CD)	ND	0.10	0.030	mg/kg wet						
CHROMIUM (CR)	ND	0.50	0.075	mg/kg wet						
LEAD (PB)	ND	0.10	0.020	mg/kg wet						
SELENIUM (SE)	ND	0.50	0.050	mg/kg wet						
SILVER (AG)	ND	0.10	0.020	mg/kg wet						

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Quality Control
(Continued)

Metals (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (BEE0374-BS1)					Prepared: 05/30/25 08:19		Analyzed: 06/06/25 18:56			
ARSENIC (AS)	26.3			mg/kg wet	25.0		105	82-118		
BARIUM (BA)	26.3			mg/kg wet	25.0		105	86-116		
CADMIUM (CD)	5.24			mg/kg wet	5.00		105	84-116		
CHROMIUM (CR)	26.6			mg/kg wet	25.0		106	83-119		
LEAD (PB)	26.2			mg/kg wet	25.0		105	84-118		
SELENIUM (SE)	26.2			mg/kg wet	25.0		105	80-119		
SILVER (AG)	10.2			mg/kg wet	10.0		102	83-118		
LCS Dup (BEE0374-BSD1)					Prepared: 05/30/25 08:19		Analyzed: 06/06/25 19:01			
ARSENIC (AS)	25.4			mg/kg wet	24.8		102	82-118	3.66	20
BARIUM (BA)	25.3			mg/kg wet	24.8		102	86-116	3.81	20
CADMIUM (CD)	4.92			mg/kg wet	4.95		99.5	84-116	6.29	20
CHROMIUM (CR)	25.6			mg/kg wet	24.8		104	83-119	3.73	20
LEAD (PB)	25.0			mg/kg wet	24.8		101	84-118	4.47	20
SELENIUM (SE)	25.0			mg/kg wet	24.8		101	80-119	4.51	20
SILVER (AG)	9.79			mg/kg wet	9.90		98.9	83-118	4.02	20
Matrix Spike (BEE0374-MS1)	**Source: 25E0111-22**				Prepared: 05/30/25 08:19		Analyzed: 06/06/25 20:37			
ARSENIC (AS)	68.1			mg/kg dry	63.3	7.34	95.9	82-118		
BARIUM (BA)	261 MS2			mg/kg dry	63.3	136	198	86-116		
CADMIUM (CD)	14.0			mg/kg dry	12.7	0.404	107	84-116		
CHROMIUM (CR)	91.4			mg/kg dry	63.3	22.1	109	83-119		
LEAD (PB)	173 MS1			mg/kg dry	63.3	194	-33.4	84-118		
SELENIUM (SE)	65.5			mg/kg dry	63.3	0.250	103	80-119		
SILVER (AG)	26.1			mg/kg dry	25.3	0.243	102	83-118		
Matrix Spike Dup (BEE0374-MSD1)	**Source: 25E0111-22**				Prepared: 05/30/25 08:19		Analyzed: 06/06/25 20:42			
ARSENIC (AS)	65.6			mg/kg dry	62.7	7.34	92.9	82-118	3.70	20
BARIUM (BA)	266 MS2			mg/kg dry	62.7	136	208	86-116	1.95	20
CADMIUM (CD)	14.1			mg/kg dry	12.5	0.404	109	84-116	0.383	20
CHROMIUM (CR)	94.6			mg/kg dry	62.7	22.1	116	83-119	3.39	20
LEAD (PB)	229 MS1			mg/kg dry	62.7	194	55.0	84-118	27.7	20
SELENIUM (SE)	64.1			mg/kg dry	62.7	0.250	102	80-119	2.17	20
SILVER (AG)	26.5			mg/kg dry	25.1	0.243	104	83-118	1.22	20

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Quality Control
(Continued)

Metals (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Post Spike (BEE0374-PS1)	**Source: 25E0111-22**				Prepared: 05/30/25 08:19 Analyzed: 06/06/25 20:47					
ARSENIC (AS)	113			ug/L	125	5.85	85.9	80-120		
BARIUM (BA)	216			ug/L	125	108	86.2	80-120		
CADMIUM (CD)	23.5			ug/L	25.0	0.322	92.6	80-120		
CHROMIUM (CR)	127			ug/L	125	17.6	87.9	80-120		
LEAD (PB)	254 Q			ug/L	125	155	79.4	80-120		
SELENIUM (SE)	114			ug/L	125	0.199	90.7	80-120		
SILVER (AG)	45.1			ug/L	50.0	0.193	89.8	80-120		

Method: EPA 6020B TCLP

Batch: BEF0368 - EPA 3010A

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (BEF0368-BLK1)					Prepared & Analyzed: 06/26/25 15:11					
LEAD (PB)	0.535 J	3.0	0.19	ug/L						
LCS (BEF0368-BS1)					Prepared & Analyzed: 06/26/25 15:16					
LEAD (PB)	234			ug/L	250		93.5	88-115		
LCS Dup (BEF0368-BSD1)					Prepared & Analyzed: 06/26/25 15:21					
LEAD (PB)	232			ug/L	250		93.0	88-115	0.596	20
Matrix Spike (BEF0368-MS1)	**Source: 25E0111-22**				Prepared & Analyzed: 06/26/25 15:31					
LEAD (PB)	584			ug/L	250	341	97.1	88-115		
Matrix Spike Dup (BEF0368-MSD1)	**Source: 25E0111-22**				Prepared & Analyzed: 06/26/25 15:36					
LEAD (PB)	613			ug/L	250	341	109	88-115	4.83	20
Post Spike (BEF0368-PS1)	**Source: 25E0111-22**				Prepared & Analyzed: 06/26/25 15:41					
LEAD (PB)	148			ug/L	125	34.1	91.2	80-120		

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Quality Control
(Continued)

WetLab

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: ISM02.2										
Batch: BEE0353 - ISM02.2										
Duplicate (BEE0353-DUP1)	**Source: 25E0111-12**				Prepared & Analyzed: 05/28/25 10:30					
% Solids	89.2			%		80.0			10.9	20
MOISTURE	10.8			%		20.0			59.6	20

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Notes and Definitions

Item	Definition
J	Estimated value
MS1	Matrix spike recovered below the lower control limit
MS2	Matrix spike recovered above the upper control limit
Q	Acceptance criteria not met
U	Not detected
Dry	Sample results reported on a dry weight basis.
MDL	Method Detection Limit (only displays if reported to the MDL)
ND	Analyte NOT DETECTED at or above the reporting limit.
DF	Dilution Factor
DL	Detection Limit
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

PQL, Practical Quantitation Limit = Method Reporting Limit (MRL).

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

WORK ORDER

25E0111

Printed: 07/01/2025 9:23 am

Project: **Homer**
Project Number: **Homer**
Project Manager: **Karen Volpendesta**
PO Number:

Report To:
BGES, Inc. Anchorage
Lisa Vitale
1042 E. 6th Avenue
Anchorage, AK 99501
Phone: (907) 644-2900

Invoice To:
BGES, Inc. Anchorage
Lisa Vitale
1042 E. 6th Avenue
Anchorage, AK 99501
Phone: (907) 644-2900

Date Received: 05/23/2025 03:45 PM
Date Due: 06/09/2025 (10.00 day TAT)
Logged In By: Shena Koop
Received By: Shena Koop

Analysis		Comments
25E0111-01 H1-27-01-052025 [Solid] Sampled 5/20/2025 5:00:00PM		
% Solids	NONE	
6020B	RCRA	
25E0111-02 H1-28-01-052025 [Solid] Sampled 5/20/2025 5:05:00PM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0111-03 H1-29-01-052025 [Solid] Sampled 5/20/2025 5:10:00PM		
% Solids	NONE	
6020B	RCRA	
25E0111-04 H1-31-02-052025 [Solid] Sampled 5/20/2025 5:23:00PM		
% Solids	NONE	
6020B	RCRA	
25E0111-05 H1-32-03-052125 [Solid] Sampled 5/20/2025 9:10:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-06 H1-33-01-052125 [Solid] Sampled 5/21/2025 9:13:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-07 H1-34-01-052125 [Solid] Sampled 5/21/2025 9:18:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-08 H1-35-03-052125 [Solid] Sampled 5/21/2025 9:21:00AM		
% Solids	NONE	
6020B	RCRA	

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

Analysis		Comments
25E0111-09 H1-37-03-052125 [Solid] Sampled 5/21/2025 9:31:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-10 H1-38-02-052125 [Solid] Sampled 5/21/2025 9:37:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-11 H1-38-04-052125 [Solid] Sampled 5/21/2025 9:38:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-12 H1-39-03-052125 [Solid] Sampled 5/21/2025 9:42:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-13 H1-42-02-052125 [Solid] Sampled 5/21/2025 9:55:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-14 H1-43-03-052125 [Solid] Sampled 5/21/2025 10:00:00AM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0111-15 H1-43-04-052125 [Solid] Sampled 5/21/2025 10:01:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-16 H1-44-03-052125 [Solid] Sampled 5/21/2025 10:07:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-17 H1-45-01-052125 [Solid] Sampled 5/21/2025 10:11:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-18 H1-46-03-052125 [Solid] Sampled 5/21/2025 10:15:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-19 H1-47-01-052125 [Solid] Sampled 5/21/2025 10:20:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-20 H1-49-01-052125 [Solid] Sampled 5/21/2025 10:40:00AM		
% Solids	NONE	
6020B	RCRA	
8082A MICROWAVE	NONE	
25E0111-21 H1-50-02-052125 [Solid] Sampled 5/21/2025 10:41:00AM		
% Solids	NONE	
6020B	RCRA	
25E0111-22 H1-53-03-052125 [Solid] Sampled 5/21/2025 11:45:00AM		
% Solids	NONE	
6020B	RCRA	
6020B TCLP	Pb only	

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 07/01/2025 09:23

25E0111 **Sample Receipt Log**

Default Cooler

Samples Received at: **3.8°C**

Custody Seals	Yes	Were all containers sealed in separate bags?	Yes
Containers Intact	Yes	Did all containers arrive in good condition?	Yes
COC/Labels Agree	Yes	Correct containers/preserv. for tests indicated?	Yes
Preservation Confirmed	Yes	Sufficient volume sent for tests requested?	Yes
Received On Ice	Yes	Vials for volatiles bubble free <6mm diameter?	No
Was a chain of custody received?	Yes	Sufficient remaining holding time for analyses?	Yes
COCs complete/signed in the appropriate places?	Yes	pH of non-VOA preserved containers documented?	No
Sample labels complete? Sample ID, date/time, etc.	Yes	Unpreserved vials received for VOA analysis?	No
Did all container labels agree with COCs?	Yes	If "yes", are unpreserved VOA vials noted on Work	No

25E0111

ELECTRONIC CHAIN OF CUSTODY RECORD

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

Phone: (559) 275-2175
Fax: (559) 275-4422

C.O.C.

Report to: PLEASE PRINT
Company Name: BGES Inc | Phone: 907-644-2900
Address: 1042 E. 6th Ave
Anchorage, AK 99501 | Fax:
Attn: lisa@bgesinc.com, brian@bgesinc.com

Invoice to: PLEASE PRINT
Company Name: BGES Inc | Phone: 907-644-2900
Address: 1042 E. 6th Ave
Anchorage, AK 99501 | Fax:
Attn: carol@bgesinc.com

Project Name/Number: Homer HERC
Sampler (Print): L. Vitale J. Acuña
Purchase Order Number:
Sampler (Signature):

Date Shipped: 05.22.25
Carrier: Gold Streak
Waybill No.:
Comments: Pg 3 of 5 — Please hold all samples for TCLP. We will advise once initial data is received

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil		RCRA 6020/200.8	PCB 8082
H1-27-01-052025	HERC 1	05-20-25	1700	AKST				X		X	
H1-28-01-052025	↓	05-20-25	1705	↓				X		X	X
H1-29-01-052025		05-20-25	1710					X		X	
H1-31-02-052025		05-20-25	1723					X		X	
H1-32-03-052125		05-20-25	0910					X		X	
H1-33-01-052125		052125	0913					X		X	
H1-34-01-052125		052125	0918					X		X	
H1-35-03-052125		052125	0921					X		X	
H1-37-03-052125		052125	0931					X		X	
H1-38-02-052125		052125	0937					X		X	
H1-38-04-052125		052125	0938					X		X	

Shuttle Temperature: IRB: 4.5/3.8°C

Turnaround Requested: Check one ☒ Standard 2-3 wk ☐ One week ☐ 24/48 Hrs. ☐ Other

Sample Disposal: ☐ Return to client ☒ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	5-22-25	1430					
Relinquished by:	Date	Time	Received by:	Relinquished by:	5/23/25	1549	Received at lab by: [signature]

White: Return to client with report   Yellow: Laboratory Copy   Pink: Sampler

Note: The first sampled date of the ARF will be used as the COC number unless indicated otherwise.

25E0111

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

ELECTRONIC CHAIN OF CUSTODY RECORD

Phone: (559) 275-2175
Fax: (559) 275-4422
C.O.C.

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: BGES Inc	Phone: 907-644-2900	Company Name: BGES Inc	Phone: 907-644-2900
Address: 1042 E. 6th Ave, Anchorage, AK 99501	Fax:	Address: 1042 E. 6th Ave, Anchorage, AK 99501	Fax:
Attn: lisa@bgesinc.com, brian@bgesinc.com		Attn: carol@bgesinc.com	

Project Name/Number	Sampler (Print)
Homer HERC	L. Vitale J. Acuña
Purchase Order Number	Sampler (Signature)
	[signature] [signature]

Date Shipped: 05-22-25
Carrier: Gold Streak
Waybill No.:

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil		RCRA 6020/200.8	PCB 8082	Comments:
HI-39-03-052125	HERC I	052125	0942					X		X		Pg 4 of 5
HI-42-02-052125		052125	0955					X		X		Please hold
HI-43-03-052125		052125	1000					X		X	X	all samples
HI-43-04-052125		052125	1001					X		X		for TCLP
HI-44-03-052125		052125	1007					X		X		We will advise
HI-45-01-052125		052125	1011					X		X		once initial
HI-46-03-052125		052125	1015					X		X		data is received
HI-47-01-052125		052125	1020					X		X		
HI-49-01-052125		052125	1040					X		X		
HI-50-02-052125		052125	1041					X		X	X	
HI-53-03-052125		052125	1145					X		X		

Shuttle Temperature: IRB: 4.5/3.8°C

Turnaround Requested: Check one ☐ Standard 2-3 wk ☐ One week ☐ 24/48 Hrs. ☐ Other

Sample Disposal: ☐ Return to client ☒ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	5-22-25	1430					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					5/23/25	1345	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

Note: The first sampled date of the ARF will be used as the COC number unless indicated otherwise.

SGS North America

CUSTODY SEAL

Signature:

Date/Time: 05.22.25 1500

SGS North America

CUSTODY SEAL

Signature:

Date/Time: 05.22.25 1500

1545

5/23/25

IRB = 4.5/3.8°C

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

APPL Labs

25E0111; IT

SGS Job Number: FC25077

Sampling Dates: 05/20/25 - 05/21/25

Report to:

APPL Labs
908 N Temperance Ave
Clovis, CA 93611
monica.garcia-strickland@metirigroup.com; karen.volpendesta@metirigroup.com;
eric.ogden@metirigroup.com
ATTN: Karen Volpendesta

Total number of pages in report: 48

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Karen Avila 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

Test results relate only to samples analyzed.

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SGS North America Inc.

Sample Summary

APPL Labs

25E0111; IT

Job No: FC25077

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC25077-1	05/20/25	17:00	APPL	05/31/25	SO	Soil	25E0111-01(H1-27-01-052025)
FC25077-2	05/20/25	17:05	APPL	05/31/25	SO	Soil	25E0111-02(H1-28-01-052025)
FC25077-3	05/20/25	17:10	APPL	05/31/25	SO	Soil	25E0111-03(H1-29-01-052025)
FC25077-4	05/20/25	17:23	APPL	05/31/25	SO	Soil	25E0111-04(H1-31-02-052025)
FC25077-5	05/20/25	09:10	APPL	05/31/25	SO	Soil	25E0111-05(H1-32-03-052025)
FC25077-6	05/21/25	09:13	APPL	05/31/25	SO	Soil	25E0111-06(H1-33-01-052125)
FC25077-7	05/21/25	09:18	APPL	05/31/25	SO	Soil	25E0111-07(H1-34-01-052125)
FC25077-8	05/21/25	09:21	APPL	05/31/25	SO	Soil	25E0111-08(H1-35-03-052125)
FC25077-9	05/21/25	09:31	APPL	05/31/25	SO	Soil	25E0111-09(H1-37-03-052125)
FC25077-10	05/21/25	09:37	APPL	05/31/25	SO	Soil	25E0111-10(H1-38-02-052125)
FC25077-11	05/21/25	09:38	APPL	05/31/25	SO	Soil	25E0111-11(H1-38-04-052125)
FC25077-12	05/21/25	09:42	APPL	05/31/25	SO	Soil	25E0111-12(H1-39-03-052125)
FC25077-13	05/21/25	09:55	APPL	05/31/25	SO	Soil	25E0111-13(H1-42-02-052125)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SGS North America Inc.

Sample Summary
(continued)

APPL Labs

25E0111; IT

Job No: FC25077

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC25077-14	05/21/25	10:00	APPL	05/31/25	SO	Soil	25E0111-14(H1-43-03-052125)
FC25077-15	05/21/25	10:01	APPL	05/31/25	SO	Soil	25E0111-15(H1-43-04-052125)
FC25077-16	05/21/25	10:07	APPL	05/31/25	SO	Soil	25E0111-16(H1-44-03-052125)
FC25077-17	05/21/25	10:11	APPL	05/31/25	SO	Soil	25E0111-17(H1-45-01-052125)
FC25077-18	05/21/25	10:15	APPL	05/31/25	SO	Soil	25E0111-18(H1-46-03-052125)
FC25077-19	05/21/25	10:20	APPL	05/31/25	SO	Soil	25E0111-19(H1-47-01-052125)
FC25077-20	05/21/25	10:40	APPL	05/31/25	SO	Soil	25E0111-20(H1-49-01-052125)
FC25077-21	05/21/25	10:41	APPL	05/31/25	SO	Soil	25E0111-21(H1-50-02-052125)
FC25077-22	05/21/25	11:45	APPL	05/31/25	SO	Soil	25E0111-22(H1-53-03-052025)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: APPL Labs **Job No:** FC25077

Site: 25E0111; IT **Report Date** 6/13/2025 10:25:22

On 05/31/2025, 22 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC25077 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP45855

Sample(s) FC25158-1MSD, FC25158-1SDL, FC25158-1DUP, FC25158-1MS were used as the QC samples for metals.

Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Probable cause is due to matrix interference.

RPD(s) for Duplicate for Mercury are outside control limits for sample MP45855-D1, MP45855-D2. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Mercury are outside control limits for sample MP45855-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP45856

Sample(s) FC25077-18DUP, FC25077-18MS, FC25077-18MSD, FC25077-18SDL were used as the QC samples for metals.

General Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN710

Sample(s) FC25068-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN711

Sample(s) FC25077-5DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN738

Sample(s) FC25184-4DUP were used as the QC samples for Solids, Percent.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

____
Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC25077
Account: APPL Labs
Project: 25E0111; IT
Collected: 05/20/25 thru 05/21/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FC25077-1	25E0111-01(H1-27-01-052025)					
No hits reported in this sample.						
FC25077-2	25E0111-02(H1-28-01-052025)					
No hits reported in this sample.						
FC25077-3	25E0111-03(H1-29-01-052025)					
No hits reported in this sample.						
FC25077-4	25E0111-04(H1-31-02-052025)					
Mercury		0.066	0.047		mg/kg	SW846 7471B
FC25077-5	25E0111-05(H1-32-03-052025)					
Mercury		0.058	0.047		mg/kg	SW846 7471B
FC25077-6	25E0111-06(H1-33-01-052125)					
Mercury		0.14	0.062		mg/kg	SW846 7471B
FC25077-7	25E0111-07(H1-34-01-052125)					
Mercury		0.080	0.050		mg/kg	SW846 7471B
FC25077-8	25E0111-08(H1-35-03-052125)					
Mercury		0.088	0.050		mg/kg	SW846 7471B
FC25077-9	25E0111-09(H1-37-03-052125)					
Mercury		0.062	0.054		mg/kg	SW846 7471B
FC25077-10	25E0111-10(H1-38-02-052125)					
Mercury		0.26	0.048		mg/kg	SW846 7471B
FC25077-11	25E0111-11(H1-38-04-052125)					
Mercury		0.23	0.047		mg/kg	SW846 7471B

Summary of Hits

Job Number: FC25077
Account: APPL Labs
Project: 25E0111; IT
Collected: 05/20/25 thru 05/21/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FC25077-12	25E0111-12(H1-39-03-052125)					
Mercury		0.080	0.049		mg/kg	SW846 7471B
FC25077-13	25E0111-13(H1-42-02-052125)					
Mercury		0.088	0.048		mg/kg	SW846 7471B
FC25077-14	25E0111-14(H1-43-03-052125)					
Mercury		0.077	0.048		mg/kg	SW846 7471B
FC25077-15	25E0111-15(H1-43-04-052125)					
Mercury		0.069	0.043		mg/kg	SW846 7471B
FC25077-16	25E0111-16(H1-44-03-052125)					
Mercury		0.077	0.046		mg/kg	SW846 7471B
FC25077-17	25E0111-17(H1-45-01-052125)					
Mercury		0.10	0.043		mg/kg	SW846 7471B
FC25077-18	25E0111-18(H1-46-03-052125)					
Mercury		0.075	0.044		mg/kg	SW846 7471B
FC25077-19	25E0111-19(H1-47-01-052125)					
No hits reported in this sample.						
FC25077-20	25E0111-20(H1-49-01-052125)					
No hits reported in this sample.						
FC25077-21	25E0111-21(H1-50-02-052125)					
No hits reported in this sample.						
FC25077-22	25E0111-22(H1-53-03-052025)					
Mercury		0.35	0.050		mg/kg	SW846 7471B

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-01(H1-27-01-052025)			
Lab Sample ID:	FC25077-1		Date Sampled:	05/20/25
Matrix:	SO - Soil		Date Received:	05/31/25
			Percent Solids:	80.5
Project:	25E0111; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.046	0.046	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-02(H1-28-01-052025)		
Lab Sample ID:	FC25077-2	Date Sampled:	05/20/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	89.9
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.040	0.040	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	25E0111-03(H1-29-01-052025)			
Lab Sample ID:	FC25077-3		Date Sampled:	05/20/25
Matrix:	SO - Soil		Date Received:	05/31/25
			Percent Solids:	87.3
Project:	25E0111; IT			

4.3

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.046	0.046	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-04(H1-31-02-052025)		
Lab Sample ID:	FC25077-4	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	78.1
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.066	0.047	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-05(H1-32-03-052025)		
Lab Sample ID:	FC25077-5	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	77.2
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.058	0.047	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-06(H1-33-01-052125)			
Lab Sample ID:	FC25077-6		**Date Sampled:**	05/21/25
Matrix:	SO - Soil		**Date Received:**	05/31/25
			Percent Solids:	67.0
Project:	25E0111; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.14	0.062	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-07(H1-34-01-052125)		
Lab Sample ID:	FC25077-7	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	77.1
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.080	0.050	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-08(H1-35-03-052125)		
Lab Sample ID:	FC25077-8	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	74.2
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.088	0.050	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-09(H1-37-03-052125)		
Lab Sample ID:	FC25077-9	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	77.4
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.062	0.054	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-10(H1-38-02-052125)		
Lab Sample ID:	FC25077-10	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	77.9
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.26	0.048	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-11(H1-38-04-052125)		
Lab Sample ID:	FC25077-11	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	76.2
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.23	0.047	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-12(H1-39-03-052125)		
Lab Sample ID:	FC25077-12	Date Sampled:	05/21/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	81.9
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.080	0.049	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-13(H1-42-02-052125)			
Lab Sample ID:	FC25077-13		**Date Sampled:**	05/21/25
Matrix:	SO - Soil		**Date Received:**	05/31/25
			Percent Solids:	86.4
Project:	25E0111; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.088	0.048	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-14(H1-43-03-052125)		
Lab Sample ID:	FC25077-14	Date Sampled:	05/21/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	84.8
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.077	0.048	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-15(H1-43-04-052125)		
Lab Sample ID:	FC25077-15	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	85.1
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.069	0.043	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-16(H1-44-03-052125)			
Lab Sample ID:	FC25077-16		Date Sampled:	05/21/25
Matrix:	SO - Soil		Date Received:	05/31/25
			Percent Solids:	89.8
Project:	25E0111; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.077	0.046	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-17(H1-45-01-052125)		
Lab Sample ID:	FC25077-17	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	88.5
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.10	0.043	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45855

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-18(H1-46-03-052125)		
Lab Sample ID:	FC25077-18	Date Sampled:	05/21/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	90.0
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.075	0.044	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-19(H1-47-01-052125)		
Lab Sample ID:	FC25077-19	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	98.5
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.037	0.037	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0111-20(H1-49-01-052125)			
Lab Sample ID:	FC25077-20		**Date Sampled:**	05/21/25
Matrix:	SO - Soil		**Date Received:**	05/31/25
			Percent Solids:	99.1
Project:	25E0111; IT			

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.037	0.037	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

Report of Analysis

Client Sample ID:	25E0111-21(H1-50-02-052125)		
Lab Sample ID:	FC25077-21	**Date Sampled:**	05/21/25
Matrix:	SO - Soil	**Date Received:**	05/31/25
		Percent Solids:	98.2
Project:	25E0111; IT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.040	0.040	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	25E0111-22(H1-53-03-052025)		
Lab Sample ID:	FC25077-22	Date Sampled:	05/21/25
Matrix:	SO - Soil	Date Received:	05/31/25
		Percent Solids:	77.7
Project:	25E0111; IT		

4.22

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	0.35	0.050	mg/kg	1	06/12/25	06/12/25	AK	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA21129
(2) Prep QC Batch: MP45856

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- **Chain of Custody**

APPL

AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES

A METIRI GROUP COMPANY

SUBCONTRACT ORDER

FC25077

Sending Laboratory:

APPL, LLC
908 N. Temperance Ave.
Clovis, CA 93611
Phone: 559-275-2175
Fax: 559-275-4422

Project Manager: Karen Volpendesta
email: karen.volpendesta@metirigroup.com

EDDs required: Standard Excel

Subcontracted Laboratory:

SGS North America, Inc.
4405 Vineland Rd.
Orlando, FL 32811
Phone: (407) 425-6700
Fax:

Requires Foreign Soil Permit: Yes
DOD: No Report Level: L2

Work Order: 25E0111 TAT: 10 Disposal Days: 60

Analysis	Comments

1 **Sample ID: 25E0111-01 (H1-27-01-052025)** ***Solid Sampled: 05/20/2025 17:00***

7471B

Containers Supplied:

2 **Sample ID: 25E0111-02 (H1-28-01-052025)** ***Solid Sampled: 05/20/2025 17:05***

7471B

Containers Supplied:

3 **Sample ID: 25E0111-03 (H1-29-01-052025)** ***Solid Sampled: 05/20/2025 17:10***

7471B

Containers Supplied:

4 **Sample ID: 25E0111-04 (H1-31-02-052025)** ***Solid Sampled: 05/20/2025 17:23***

7471B

Containers Supplied:

5 **Sample ID: 25E0111-05 (H1-32-03-052125)** ***Solid Sampled: 05/20/2025 09:10***

7471B

Containers Supplied:

6 **Sample ID: 25E0111-06 (H1-33-01-052125)** ***Solid Sampled: 05/21/2025 09:13***

7471B

FC25077: Chain of Custody
Page 1 of 5

INITIAL ASSESSMENT
LABEL VERIFICATION

Released By	Date\Time	Received By	Date\Time
[signature]	5/29/25 14:24	[signature]	5/31/25 1100

3.0 IR#1

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER
(Continued)

FC25077

Work Order: 25E0111 (Continued) TAT: 10 Disposal Days: 60

Analysis	Comments

Containers Supplied:

7 **Sample ID: 25E0111-07 (H1-34-01-052125)** ***Solid Sampled: 05/21/2025 09:18***

7471B

Containers Supplied:

8 **Sample ID: 25E0111-08 (H1-35-03-052125)** ***Solid Sampled: 05/21/2025 09:21***

7471B

Containers Supplied:

9 **Sample ID: 25E0111-09 (H1-37-03-052125)** ***Solid Sampled: 05/21/2025 09:31***

7471B

Containers Supplied:

10 **Sample ID: 25E0111-10 (H1-38-02-052125)** ***Solid Sampled: 05/21/2025 09:37***

7471B

Containers Supplied:

11 **Sample ID: 25E0111-11 (H1-38-04-052125)** ***Solid Sampled: 05/21/2025 09:38***

7471B

Containers Supplied:

12 **Sample ID: 25E0111-12 (H1-39-03-052125)** ***Solid Sampled: 05/21/2025 09:42***

7471B

Containers Supplied:

13 **Sample ID: 25E0111-13 (H1-42-02-052125)** ***Solid Sampled: 05/21/2025 09:55***

7471B

Containers Supplied:

14 **Sample ID: 25E0111-14 (H1-43-03-052125)** ***Solid Sampled: 05/21/2025 10:00***

FC25077: Chain of Custody
Page 2 of 5

Released By	Date\Time	Received By	Date\Time
[signature]	5/29/25 14:24/25	[signature]	5/31/25 1100

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER
(Continued)

FC25077

Work Order: 25E0111 (Continued) TAT: 10 Disposal Days: 60

Analysis	Comments
14 **Sample ID: 25E0111-14 (H1-43-03-052125)**	***Solid Sampled: 05/21/2025 10:00***
7471B	
Containers Supplied:	
15 **Sample ID: 25E0111-15 (H1-43-04-052125)**	***Solid Sampled: 05/21/2025 10:01***
7471B	
Containers Supplied:	
16 **Sample ID: 25E0111-16 (H1-44-03-052125)**	***Solid Sampled: 05/21/2025 10:07***
7471B	
Containers Supplied:	
17 **Sample ID: 25E0111-17 (H1-45-01-052125)**	***Solid Sampled: 05/21/2025 10:11***
7471B	
Containers Supplied:	
18 **Sample ID: 25E0111-18 (H1-46-03-052125)**	***Solid Sampled: 05/21/2025 10:15***
7471B	
Containers Supplied:	
19 **Sample ID: 25E0111-19 (H1-47-01-052125)**	***Solid Sampled: 05/21/2025 10:20***
7471B	
Containers Supplied:	
20 **Sample ID: 25E0111-20 (H1-49-01-052125)**	***Solid Sampled: 05/21/2025 10:40***
7471B	
Containers Supplied:	
21 **Sample ID: 25E0111-21 (H1-50-02-052125)**	***Solid Sampled: 05/21/2025 10:41***
7471B	
Containers Supplied:	

FC25077: Chain of Custody
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Released By	Date\Time	Received By	Date\Time
	5/29/25 14:24		5/31/25 1100

APPL

AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES

A METIRI GROUP COMPANY

SUBCONTRACT ORDER
(Continued)

FC25077

Work Order: 25E0111 (Continued) TAT: 10 Disposal Days: 60

Analysis	Comments

22 **Sample ID: 25E0111-22 (H1-53-03-052125)** ***Solid Sampled: 05/21/2025 11:45***

7471B

Containers Supplied:

5.1

5

FC25077: Chain of Custody
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Released By	Date\Time	Received By	Date\Time
[signature]	5/29/25 14:24	[signature]	5/31/25 1150

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SGS - Orlando Sample Receipt Summary

Job Number: fc25077 **Client:** APPL **Project:** 25E0111

Date / Time Received: 5/31/2025 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 444747359980

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Informatio	Y	N
1. Custody Seals Present:	☑	☐
2. Custody Seals Intact:	☑	☐
3. Temp criteria achieved:	☑	☐
4. Cooler temp verification:	IR Gun	
5. Cooler media:	Ice (Bag)	

Trip Blank Information	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐

	W	S	N/A
3. Type of TB Received	☐	☐	☑

Sample Information	Y	N	N/A
1. Sample labels present on bottles:	☑	☐	
2. Samples presented properly	☑	☐	
3. Sufficient volume/containers recv'd for analysi	☑	☐	
4. Condition of sample:	Intact		
5. Sample recv'd within HT	☑	☐	
6. Dates/Times/IDs on COC match sample labe	☑	☐	
7. VOCs have headspace	☐	☐	☑
8. Bottles received for unspecified tests	☐	☑	
9. Compositing instructions clear	☐	☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐	☐	☑
11. % Solids Jar Received?	☑	☐	☐
12. Residual Chlorine Present?	☐	☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) 0-14 210224

Residual Chlorine Test Strip Lot

Comments

Sample Receipt Summary 112723 EK Technician: HALEIGHR Date: 5/31/2025 12:19:27 PM Reviewer: Date:

FC25077: Chain of Custody
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Metals Analysis

QC Data Summaries

Includes the following where applicable:

- **Method Blank Summaries**
- **Matrix Spike and Duplicate Summaries**
- **Blank Spike and Lab Control Sample Summaries**
- **Serial Dilution Summaries**

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45855
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0016	<0.042

Associated samples MP45855: FC25077-1, FC25077-2, FC25077-3, FC25077-4, FC25077-5, FC25077-6, FC25077-7, FC25077-8, FC25077-9, FC25077-10, FC25077-11, FC25077-12, FC25077-13, FC25077-14, FC25077-15, FC25077-16, FC25077-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45855
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25158-1 Original	DUP	RPD	QC Limits	FC25158-1 Original	DUP	RPD	QC Limits
Mercury	0.049	0.067	31.0 (a)	0-20	0.049	0.065	28.1 (a)	0-20

Associated samples MP45855: FC25077-1, FC25077-2, FC25077-3, FC25077-4, FC25077-5, FC25077-6, FC25077-7, FC25077-8, FC25077-9, FC25077-10, FC25077-11, FC25077-12, FC25077-13, FC25077-14, FC25077-15, FC25077-16, FC25077-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45855
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25158-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.049	0.23	0.15	120.7N(a	80-120

Associated samples MP45855: FC25077-1, FC25077-2, FC25077-3, FC25077-4, FC25077-5, FC25077-6, FC25077-7, FC25077-8, FC25077-9, FC25077-10, FC25077-11, FC25077-12, FC25077-13, FC25077-14, FC25077-15, FC25077-16, FC25077-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45855
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25158-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.049	0.23	0.146	124.3N(a	0.0	20

Associated samples MP45855: FC25077-1, FC25077-2, FC25077-3, FC25077-4, FC25077-5, FC25077-6, FC25077-7, FC25077-8, FC25077-9, FC25077-10, FC25077-11, FC25077-12, FC25077-13, FC25077-14, FC25077-15, FC25077-16, FC25077-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45855
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.26	0.25	104.0	80-120

Associated samples MP45855: FC25077-1, FC25077-2, FC25077-3, FC25077-4, FC25077-5, FC25077-6, FC25077-7, FC25077-8, FC25077-9, FC25077-10, FC25077-11, FC25077-12, FC25077-13, FC25077-14, FC25077-15, FC25077-16, FC25077-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

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SERIAL DILUTION RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45855 Methods: SW846 7471B
Matrix Type: SOLID Units: ug/l

Prep Date:

Metal	FC25158-1 Original	SDL 20:100	%DIF	QC Limits
Mercury	1.00	0.00	100.0(a)	0-10

Associated samples MP45855: FC25077-1, FC25077-2, FC25077-3, FC25077-4, FC25077-5, FC25077-6, FC25077-7, FC25077-8, FC25077-9, FC25077-10, FC25077-11, FC25077-12, FC25077-13, FC25077-14, FC25077-15, FC25077-16, FC25077-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0016	<0.042

Associated samples MP45856: FC25077-18, FC25077-19, FC25077-20, FC25077-21, FC25077-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25077-18 Original	DUP	RPD	QC Limits	FC25077-18 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.075	0.074	1.3	0-20	0.075	0.35	0.26	105.6	80-120

Associated samples MP45856: FC25077-18, FC25077-19, FC25077-20, FC25077-21, FC25077-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	FC25077-18 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.075	0.34	0.26	101.8	2.9	20

Associated samples MP45856: FC25077-18, FC25077-19, FC25077-20, FC25077-21, FC25077-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date:

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.27	0.25	108.0	80-120

Associated samples MP45856: FC25077-18, FC25077-19, FC25077-20, FC25077-21, FC25077-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FC25077
Account: APPLLCAC - APPL Labs
Project: 25E0111; IT

QC Batch ID: MP45856
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date:

Metal	FC25077-18 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.854	0.936	9.6	0-10

Associated samples MP45856: FC25077-18, FC25077-19, FC25077-20, FC25077-21, FC25077-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.4

6

AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

908 N. Temperance Ave., Clovis, CA 93611 - Phone 559-275-2175 - www.metirigroup.com

EPA Number: CA00046
Alaska Certification Number: 17-005

June 09, 2025

Lisa Vitale
BGES, Inc. Anchorage
1042 E. 6th Avenue
Anchorage, AK 99501

RE: Homer
25E0112

Enclosed are the results of analyses for samples received by our laboratory on 5/23/2025. If you have any questions concerning this report, please feel free to contact me.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC and DoD QSM. Release of the hard copy has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Sincerely,

Karen Volpendesta
Project Manager

karen.volpendesta@metirigroup.com

Table of Contents

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

Work Order Case Narrative

The samples were received in good condition. The samples were subcontracted to SGS for Mercury. The final report is included. KLV 06/09/2025

Analysis Case Narrative

EPA 6020B

In the MS/MSD performed on (EB02-052125), several analytes recovered outside of their control limits. With the exception of Barium, these analytes recovered in either the post digestion spike and/or the serial dilution sample. Corrective action: none.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
25E0112-01	EB01-051925	Water	05/19/2025 12:47	05/23/2025
25E0112-02	EB02-052125	Water	05/21/2025 16:55	05/23/2025

BGES, Inc. Anchorage 1042 E. 6th Avenue Anchorage, AK 99501	Project: Homer Project Number: Homer Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

Sample Results

Sample: EB01-051925
25E0112-01 (Water)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	ND		5.0	0.31	ug/L	05/29/25	1	EPA 6020B	BEE0339
BARIUM (BA)	0.61	J	3.0	0.25	ug/L	05/29/25	1	EPA 6020B	BEE0339
CADMIUM (CD)	ND		1.0	0.050	ug/L	05/29/25	1	EPA 6020B	BEE0339
CHROMIUM (CR)	0.81	J	10	0.45	ug/L	05/29/25	1	EPA 6020B	BEE0339
LEAD (PB)	ND		3.0	0.19	ug/L	05/29/25	1	EPA 6020B	BEE0339
SELENIUM (SE)	ND		5.0	0.50	ug/L	05/29/25	1	EPA 6020B	BEE0339
SILVER (AG)	ND		1.0	0.030	ug/L	05/29/25	1	EPA 6020B	BEE0339

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

Sample Results
(Continued)

Sample: EB02-052125
25E0112-02 (Water)

Analyte	Result	Qual	PQL	MDL	Units	Date Analyzed	DF	Method	Prep Batch
Metals									
ARSENIC (AS)	ND		5.0	0.31	ug/L	05/29/25	1	EPA 6020B	BEE0339
BARIUM (BA)	1.9	J	3.0	0.25	ug/L	05/29/25	1	EPA 6020B	BEE0339
CADMIUM (CD)	ND		1.0	0.050	ug/L	05/29/25	1	EPA 6020B	BEE0339
CHROMIUM (CR)	0.52	J	10	0.45	ug/L	05/29/25	1	EPA 6020B	BEE0339
LEAD (PB)	ND		3.0	0.19	ug/L	05/29/25	1	EPA 6020B	BEE0339
SELENIUM (SE)	ND		5.0	0.50	ug/L	05/29/25	1	EPA 6020B	BEE0339
SILVER (AG)	ND		1.0	0.030	ug/L	05/29/25	1	EPA 6020B	BEE0339

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: APPL, LLC

Client: BGES, Inc. Anchorage

Batch: BEE0339 Batch Matrix: Water Preparation: EPA 3010A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
EB01-051925	25E0112-01	05/28/25 08:38	50.00	50.00
EB02-052125	25E0112-02	05/28/25 08:38	50.00	50.00
Blank	BEE0339-BLK1	05/28/25 08:38	50.00	50.00
LCS	BEE0339-BS1	05/28/25 08:38	50.00	50.00
LCS Dup	BEE0339-BSD1	05/28/25 08:38	50.00	50.00
EB02-052125	BEE0339-MS1	05/28/25 08:38	50.00	50.00
EB02-052125	BEE0339-MSD1	05/28/25 08:38	50.00	50.00
EB02-052125	BEE0339-SRL1	05/28/25 08:38	50.00	50.00

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

Quality Control

Metals

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6020B										
Batch: BEE0339 - EPA 3010A										
Blank (BEE0339-BLK1)					Prepared: 05/28/25 08:38 Analyzed: 05/29/25 17:58					
ARSENIC (AS)	ND	5.0	0.31	ug/L						
BARIUM (BA)	ND	3.0	0.25	ug/L						
CADMIUM (CD)	ND	1.0	0.050	ug/L						
CHROMIUM (CR)	0.563 J	10	0.45	ug/L						
LEAD (PB)	ND	3.0	0.19	ug/L						
SELENIUM (SE)	ND	5.0	0.50	ug/L						
SILVER (AG)	ND	1.0	0.030	ug/L						
LCS (BEE0339-BS1)					Prepared: 05/28/25 08:38 Analyzed: 05/29/25 18:03					
ARSENIC (AS)	251			ug/L	250		100	84-116		
BARIUM (BA)	241			ug/L	250		96.4	86-114		
CADMIUM (CD)	50.5			ug/L	50.0		101	87-115		
CHROMIUM (CR)	253			ug/L	250		101	85-116		
LEAD (PB)	240			ug/L	250		96.0	88-115		
SELENIUM (SE)	278			ug/L	250		111	80-120		
SILVER (AG)	95.7			ug/L	100		95.7	85-116		
LCS Dup (BEE0339-BSD1)					Prepared: 05/28/25 08:38 Analyzed: 05/29/25 18:08					
ARSENIC (AS)	244			ug/L	250		97.5	84-116	2.80	20
BARIUM (BA)	232			ug/L	250		92.7	86-114	3.92	20
CADMIUM (CD)	48.8			ug/L	50.0		97.6	87-115	3.47	20
CHROMIUM (CR)	247			ug/L	250		98.6	85-116	2.63	20
LEAD (PB)	235			ug/L	250		93.8	88-115	2.32	20
SELENIUM (SE)	281			ug/L	250		112	80-120	1.11	20
SILVER (AG)	93.0			ug/L	100		93.0	85-116	2.78	20
Matrix Spike (BEE0339-MS1)	**Source: 25E0112-02**				Prepared: 05/28/25 08:38 Analyzed: 05/29/25 18:23					
ARSENIC (AS)	230			ug/L	250	ND	92.0	84-116		
BARIUM (BA)	217 MS1			ug/L	250	1.85	85.9	86-114		
CADMIUM (CD)	46.9			ug/L	50.0	ND	93.8	87-115		
CHROMIUM (CR)	231			ug/L	250	0.518	92.3	85-116		
LEAD (PB)	218 MS1			ug/L	250	ND	87.0	88-115		
SELENIUM (SE)	251			ug/L	250	ND	101	80-120		
SILVER (AG)	86.6			ug/L	100	ND	86.6	85-116		

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

Quality Control
(Continued)

Metals (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (BEE0339-MSD1)	**Source: 25E0112-02**				Prepared: 05/28/25 08:38	Analyzed: 05/29/25 18:28				
ARSENIC (AS)	290 MS2			ug/L	250	ND	116	84-116	23.0	20
BARIUM (BA)	234			ug/L	250	1.85	92.7	86-114	7.51	20
CADMIUM (CD)	58.2 MS2			ug/L	50.0	ND	116	87-115	21.5	20
CHROMIUM (CR)	293 MS2			ug/L	250	0.518	117	85-116	23.7	20
LEAD (PB)	237			ug/L	250	ND	94.7	88-115	8.49	20
SELENIUM (SE)	295			ug/L	250	ND	118	80-120	15.9	20
SILVER (AG)	95.0			ug/L	100	ND	95.0	85-116	9.27	20
Post Spike (BEE0339-PS1)	**Source: 25E0112-02**				Prepared: 05/28/25 08:38	Analyzed: 05/29/25 18:33				
ARSENIC (AS)	114			ug/L	125	0.00340	91.0	80-120		
BARIUM (BA)	87.6 Q			ug/L	125	0.185	69.9	80-120		
CADMIUM (CD)	23.2			ug/L	25.0	-0.00550	92.8	80-120		
CHROMIUM (CR)	116			ug/L	125	0.0518	92.6	80-120		
LEAD (PB)	86.4 Q			ug/L	125	-0.00310	69.1	80-120		
SELENIUM (SE)	115			ug/L	125	0.00380	91.6	80-120		
SILVER (AG)	35.5 Q			ug/L	50.0	-0.00190	71.0	80-120		

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

Notes and Definitions

Item	Definition
J	Estimated value
MS1	Matrix spike recovered below the lower control limit
MS2	Matrix spike recovered above the upper control limit
Q	Acceptance criteria not met
U	Not detected
Dry	Sample results reported on a dry weight basis.
MDL	Method Detection Limit (only displays if reported to the MDL)
ND	Analyte NOT DETECTED at or above the reporting limit.
DF	Dilution Factor
DL	Detection Limit
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

PQL, Practical Quantitation Limit = Method Reporting Limit (MRL).

BGES, Inc. Anchorage	Project: Homer	
1042 E. 6th Avenue	Project Number: Homer	
Anchorage, AK 99501	Project Manager: Lisa Vitale	Reported: 06/09/2025 14:11

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

WORK ORDER

25E0112

Printed: 06/09/2025 2:12 pm

Project: **Homer**
Project Number: **Homer**
Project Manager: **Karen Volpendesta**

PO Number:

Report To:
BGES, Inc. Anchorage
Lisa Vitale
1042 E. 6th Avenue
Anchorage, AK 99501
Phone: (907) 644-2900

Invoice To:
BGES, Inc. Anchorage
Lisa Vitale
1042 E. 6th Avenue
Anchorage, AK 99501
Phone: (907) 644-2900

Date Received: 05/23/2025 03:45 PM
Date Due: 06/09/2025 (10.00 day TAT)

Logged In By: Shena Koop
Received By: Jake Henige

Analysis		Comments
25E0112-01 EB01-051925 [Water] Sampled 5/19/2025 12:47:00PM		
6020B	RCRA	
25E0112-02 EB02-052125 [Water] Sampled 5/21/2025 4:55:00PM		
6020B	RCRA	

25E0112 **Sample Receipt Log**

Default Cooler

Samples Received at: **3.8°C**

Custody Seals	Yes	Were all containers sealed in separate bags?	Yes
Containers Intact	Yes	Did all containers arrive in good condition?	Yes
COC/Labels Agree	Yes	Correct containers/preserv. for tests indicated?	Yes
Preservation Confirmed	Yes	Sufficient volume sent for tests requested?	Yes
Received On Ice	Yes	Vials for volatiles bubble free <6mm diameter?	No
Was a chain of custody received?	Yes	Sufficient remaining holding time for analyses?	Yes
COCs complete/signed in the appropriate places?	Yes	pH of non-VOA preserved containers documented?	No
Sample labels complete? Sample ID, date/time, etc.	Yes	Unpreserved vials received for VOA analysis?	No
Did all container labels agree with COCs?	Yes	If "yes", are unpreserved VOA vials noted on Work	No

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

ELECTRONIC CHAIN OF CUSTODY RECORD

Phone: (559) 275-2175
Fax: (559) 275-4422
C.O.C.

Report to: PLEASE PRINT
Company Name: BGES Inc   Phone: 907-644-2900
Address: 1042 E. 6th Ave
Anchorage, AK 99501   Fax:
Attn: lisa@bgesinc.com, brian@bgesinc.com

Invoice to: PLEASE PRINT
Company Name: BGES Inc   Phone: 907 644 2900
Address: 1042 E. 6th Ave
Anchorage, AK 99501   Fax:
Attn: carol@bgesinc.com

Project Name/Number: Homer HERC
Purchase Order Number:
Sampler (Print): L. Vitale J. Awña
Sampler (Signature):

Date Shipped: 05.22.25
Carrier: Goldstreak
Waybill No.:
Comments: Pg 5 of 5

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	Matrix:	Analysis Requested/Method Number: RCRA 6020/200.8
EB01-051925	HERC 2	5.19.25	1247	AKST	1	X				X
EB02-052125	HERC 1	5.21.25	1655	AKST	1	X				X

Shuttle Temperature: IRB: 4.5/3.8°C

Turnaround Requested: Check one ☒ Standard 2-3 wk ☐ One week ☐ 24/48 Hrs. ☐ Other

Sample Disposal: ☐ Return to client ☒ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	5.22.25	1430					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					5/23/25	1545	[signature]

White: Return to client with report   Yellow: Laboratory Copy   Pink: Sampler

Note: The first sampled date of the ARF will be used as the COC number unless indicated otherwise.

SGS North America

CUSTODY SEAL

Signature: [signature]

Date/Time: 05.22.25 1500

SGS North America

CUSTODY SEAL

Signature: [signature]

Date/Time: 05.22.25 1500

[signature] 1545

5/23/25

IRB = 4.5/3.8°C

Orlando, FL

06/09/25

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

APPL Labs

25E0112; AK

SGS Job Number: FC25229

Sampling Dates: 05/19/25 - 05/21/25

Report to:

APPL Labs
908 North Temperance Ave
Clovis, CA 93611
monica.garcia-strickland@metirigroup.com; karen.volpendesta@metirigroup.com;
eric.ogden@metirigroup.com
ATTN: Monica Garcia-Strickland

Total number of pages in report: 18

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Norm Farmer
Technical Director

Client Service contact: Karen Avila 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

Test results relate only to samples analyzed.

Table of Contents

-1-

SGS North America Inc.

Sample Summary

APPL Labs

25E0112; AK

Job No: FC25229

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FC25229-1	05/19/25	12:47	APPL	06/06/25	AQ	Equipment Blank	25E0112-01(EB01-051925)
FC25229-2	05/21/25	16:55	APPL	06/06/25	AQ	Equipment Blank	25E0112-02(EB02-052125)

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: APPL Labs **Job No:** FC25229

Site: 25E0112; AK **Report Date** 6/9/2025 10:14:53 AM

On 06/06/2025, 0 Sample(s), 0 Trip Blank(s), 2 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC25229 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals Analysis By Method SW846 7470A

Matrix: AQ **Batch ID:** MP45838

Sample(s) FC25212-2DUP, FC25212-2SDL, FC25212-2MSD were used as the QC samples for metals.

Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.

RPD(s) for MSD for Mercury are outside control limits for sample MP45838-S2. High RPD indicates possible matrix interference.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

____

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC25229
Account: APPL Labs
Project: 25E0112; AK
Collected: 05/19/25 thru 05/21/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FC25229-1	**25E0112-01(EB01-051925)**					

No hits reported in this sample.

FC25229-2	**25E0112-02(EB02-052125)**					

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0112-01(EB01-051925)			
Lab Sample ID:	FC25229-1		**Date Sampled:**	05/19/25
Matrix:	AQ - Equipment Blank		**Date Received:**	06/06/25
			Percent Solids:	n/a
Project:	25E0112; AK			

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.50	0.50	ug/l	1	06/07/25	06/07/25	AK	SW846 7470A [1]	SW846 7470A [2]

(1) Instrument QC Batch: MA21120
(2) Prep QC Batch: MP45838

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	25E0112-02(EB02-052125)		
Lab Sample ID:	FC25229-2	**Date Sampled:**	05/21/25
Matrix:	AQ - Equipment Blank	**Date Received:**	06/06/25
		Percent Solids:	n/a
Project:	25E0112; AK		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Mercury	<0.50	0.50	ug/l	1	06/07/25	06/07/25	AK	SW846 7470A [1]	SW846 7470A [2]

(1) Instrument QC Batch: MA21120
(2) Prep QC Batch: MP45838

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

APPL
AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES
A METIRI GROUP COMPANY

SUBCONTRACT ORDER

FC25229

Sending Laboratory:

APPL, LLC
908 N. Temperance Ave.
Clovis, CA 93611
Phone: 559-275-2175
Fax: 559-275-4422

Project Manager: Karen Volpendesta
email: karen.volpendesta@metirigroup.com

EDDs required: Standard Excel

Subcontracted Laboratory:

SGS North America, Inc.
4405 Vineland Rd.
Orlando, FL 32811
Phone: (407) 425-6700
Fax:

DOD: No Report Level: L2

Work Order: 25E0112 TAT: 10 Disposal Days: 60

Analysis	Comments
1 **Sample ID: 25E0112-01 (EB01-051925)** ***Water Sampled: 05/19/2025 12:47***	
7470A	
Containers Supplied: 500mL P HNO_3	
2 **Sample ID: 25E0112-02 (EB02-052125)** ***Water Sampled: 05/19/2025 16:55***	
7470A	
Containers Supplied: 500mL P HNO_3 → Limited volume	

INITIAL ASSESSMENT ZB
LABEL VERIFICATION [illegible]
3.0 IR1

FC25229: Chain of Custody
Page 1 of 3

Released By [signature] Date\Time 6/4/25 14:49 Received By [signature] Date\Time 6/6/25 930

5.1
5

SGS - Orlando Sample Receipt Summary

Job Number: fc25229 **Client:** APPL **Project:** 25E0112

Date / Time Received: 6/6/2025 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 444747360207

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Information	**Y**	**N**
1. Custody Seals Present:	☑	☐
2. Custody Seals Intact:	☑	☐
3. Temp criteria achieved:	☑	☐
4. Cooler temp verification:	IR Gun	
5. Cooler media:	Ice (Bag)	

Trip Blank Information	**Y**	**N**	**N/A**
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
	W	**S**	**N/A**
3. Type of TB Received	☐	☐	☑

Sample Information	**Y**	**N**	**N/A**
1. Sample labels present on bottles:	☑	☐	
2. Samples presented properly	☑	☐	
3. Sufficient volume/containers recv'd for analysis	☑	☐	
4. Condition of sample:	Intact		
5. Sample recv'd within HT	☑	☐	
6. Dates/Times/IDs on COC match sample label	☑	☐	
7. VOCs have headspace	☐	☐	☑
8. Bottles received for unspecified tests	☐	☑	
9. Compositing instructions clear	☐	☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐	☐	☑
11. % Solids Jar Received?	☐	☐	☑
12. Residual Chlorine Present?	☐	☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: 226422 pH 10-12: Other: (Specify) 0-14 210224

Residual Chlorine Test Strip Lot #

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 6/6/2025 3:07:07 PM Reviewer: Date:

FC25229: Chain of Custody
Page 2 of 3

Job Change Order: FC25229

Requested Date:	6/9/2025	**Received Date:**	6/6/2025
Account Name:	APPL Labs	**Due Date:**	6/9/2025
Project Description:	25E0112; AK	**Deliverable:**	COMMBN
C/O Initiated By:	KAREN_AVI **PM:** KAA	**TAT (Days):**	14

==

Sample #: FC25229-2 **Dept:** LOGIN

Client ID: 25E0112-02(EB02-052125) **TAT:** 14

Change: Please revise collection date to 21-May-2025.

FC25229: Chain of Custody
Page 3 of 3

Above Changes Per: Monica Garcia-Strickland **Date/Time:** 6/9/2025

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- **Method Blank Summaries**
- **Matrix Spike and Duplicate Summaries**
- **Blank Spike and Lab Control Sample Summaries**
- **Serial Dilution Summaries**

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FC25229
Account: APPLLCAC - APPL Labs
Project: 25E0112; AK

QC Batch ID: MP45838
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Mercury	0.50	.03	.03	0.0050	<0.50	0.0050	<0.50

Associated samples MP45838: FC25229-1, FC25229-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25229
Account: APPLLCAC - APPL Labs
Project: 25E0112; AK

QC Batch ID: MP45838
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

Metal	FC25212-2 Original	DUP	RPD	QC Limits	FC25212-2 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.3	3	76.7N(a)	80-120

Associated samples MP45838: FC25229-1, FC25229-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FC25229
Account: APPLLCAC - APPL Labs
Project: 25E0112; AK

QC Batch ID: MP45838
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

Metal	FC25212-2 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.9	3	96.7	23.1 (a)	20

Associated samples MP45838: FC25229-1, FC25229-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High RPD indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FC25229
Account: APPLLCAC - APPL Labs
Project: 25E0112; AK

QC Batch ID: MP45838
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP45838: FC25229-1, FC25229-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FC25229
Account: APPLLCAC - APPL Labs
Project: 25E0112; AK

QC Batch ID: MP45838
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

Metal	FC25212-2 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP45838: FC25229-1, FC25229-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX E
LABORATORY DATA REVIEW CHECKLISTS

ADEC Contaminated Sites Program Laboratory Data Review Checklist

Completed By:	Amanda Kemp	**CS Site Name:**	Homer HERC	**Lab Name:**	Metiri/SGS
Title:	Environmental Scientist I	**ADEC File No.:**	2314.38.043	**Lab Report No.:**	25E0110
Consulting Firm:	BGES, Inc.	**Hazard ID No.:**	27933	**Lab Report Date:**	06/16/2025

Note: *Any N/A or No box checked must have an explanation in the comments box.*

1. **Laboratory**

   a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?
   Yes ☒ No ☐ N/A ☐
   Comments: Click or tap here to enter text.

   b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses CS-LAP approved?
   Yes ☒ No ☐ N/A ☐
   Comments: The samples for mercury analyses were subcontracted to SGS North America (SGS) in Orlando.

2. **Chain of Custody (CoC)**

   a. Is the CoC information completed, signed, and dated (including released/received by)?
   Yes ☒ No ☐ N/A ☐
   Comments: Click or tap here to enter text.

   b. Were the correct analyses requested?
   Yes ☒ No ☐ N/A ☐
   Analyses requested: RCRA 6020/200.8, PCB 8082, TCLP 1311
   Comments: Click or tap here to enter text.

3. **Laboratory Sample Receipt Documentation**

   a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?
   Yes ☒ No ☐ N/A ☐
   Cooler temperature(s): 3.8 degrees Celsius

Sample temperature(s): Click or tap here to enter text.
Comments: Click or tap here to enter text.

b. Is the sample preservation acceptable – acidified waters, methanol preserved soil (GRO, BTEX, VOCs, etc.)?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Is the sample condition documented – broken, leaking, zero headspace (VOA vials); canister vacuum/pressure checked and no open valves, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No unusual sample conditions were noted.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No discrepancies were noted.

e. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No unusual sample conditions or discrepancies were noted.

4. Case Narrative

a. Is the case narrative present and understandable?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are there discrepancies, errors, or QC failures identified by the lab?
Yes ☒ No ☐ N/A ☐
Comments: The surrogate decachlorobiphenyl associated with analysis of PCBs (EPA Method 8082A) for Sample H2-05-02, recovered below the laboratory's acceptance limit indicating the potential for the PCB concentrations in this sample to be biased low. However, because all of the PCB congener concentrations were non-detectable at a practical quantitation limit (PQL) that was one order of magnitude below the ADEC cleanup criterion, it is our opinion that this QC failure does not affect our interpretation of the data.

Silver was detected above the PQL in the Laboratory Blank Sample, indicating the potential for this analyte to be biased high in the associated laboratory samples. Therefore, the silver concentrations in the project samples are qualified with a "J" in Table 2, and should be considered estimates. However, because the silver concentrations in all project samples were detected at concentrations that were at least one order of magnitude below the ADEC cleanup criterion, it is our opinion that this QC failure does not affect our interpretation of the data.

The matrix spike (MS) and the MS duplicate (MSD) samples associated with analysis of metals (EPA 6020B) derived from Sample 25E0110-15, exhibited barium recoveries that were below and above, the laboratory's acceptance limits, respectively, indicating the potential for the barium concentrations in the project samples to be biased. Therefore, the barium concentrations in the project samples are qualified with a "J" in Table 2, and should be considered estimates. Because the barium concentrations in all project samples were detected at concentrations that were at least one order of magnitude below the ADEC cleanup criterion, it is our opinion that this QC failure does not affect our interpretation of the data.

c. Were all the corrective actions documented?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. What is the effect on data quality/usability according to the case narrative?
Comments: See 4.b, above.

5. Sample Results

a. Are the correct analyses performed/reported as requested on CoC?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are all applicable holding times met?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Are all soils reported on a dry weight basis?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. Are the reported practical quantitation limit (PQL) or method detection limits (MDL), or detection limits (DL) less than the Cleanup Level or the action level for the project?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

e. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

6. **QC Samples**

   a. Method Blank

      i. Was one method blank reported per matrix, analysis, and 20 samples?
      Yes ☒ No ☐ N/A ☐
      Comments: Click or tap here to enter text.

      ii. Are all method blank results less than PQL (or MDL)?
      Yes ☒ No ☐
      Comments: Click or tap here to enter text.

      iii. If above PQL or MDL, what samples are affected?
      Comments: Click or tap here to enter text.

      iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
      Yes ☐ No ☐ N/A ☒
      Comments: No affected samples were noted.

      v. Data quality or usability affected?
      Yes ☐ No ☐ N/A ☒
      Comments: No affected samples were noted.

   b. Laboratory Control Sample/Duplicate (LCS/LCSD)

      i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
      Yes ☒ No ☐ N/A ☐
      Comments: Click or tap here to enter text.

      ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
      Yes ☒ No ☐ N/A ☐
      Comments: Click or tap here to enter text.

      iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
      Yes ☒ No ☐ N/A ☐
      Comments: Click or tap here to enter text.

      iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if

applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: See 4.b, above.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See 4.b, above.

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: Click or tap here to enter text.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See 4.b, above.

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC, and laboratory samples?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

e. Trip Blanks

i. Is one trip blank reported per matrix, analysis, and for each cooler containing volatile samples? Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

ii. Are all results less than PQL or MDL?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

iii. If above PQL or MDL, what samples are affected?
Comments: No trip blank was analyzed.

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

f. Field Duplicate

i. Are one field duplicate submitted per matrix, analysis, and 10 project samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Was the duplicate submitted blind to lab?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water or air, 50% soil)

$$RPD\ (\%) = \left| \frac{R_1 - R_2}{\left(\frac{R_1 + R_2}{2}\right)} \right| X\ 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Is the data quality or usability affected? (Explain)

Yes ☒ No ☐ N/A ☐
Comments: Sample H2-09-04-051925 is a duplicate of H2-09-01-051925 and was collected to evaluate field sampling precision. The RPD between all reported analytes was less than 45 percent which is less than the ADEC-recommended limit of 50 percent for soils; indicating relatively good field sampling precision with respect to these analytes.

Sample H2-10-04-051925 is a duplicate of H2-10-03-051925 and was collected to evaluate field sampling precision. The RPD between all reported analytes was less than 45 percent which is less than the ADEC-recommended limit of 50 percent for soils; indicating relatively good field sampling precision with respect to these analytes.

iv. Is the data quality or usability affected? (Explain)
Yes ☐ No ☒ N/A ☐
Comments: See 6.f.iii, above.

g. Decontamination or Equipment Blanks

i. Were decontamination or equipment blanks collected?
Yes ☒ No ☐ N/A ☐
Comments: Two equipment blanks were collected, they are reported in a separate laboratory package and are discussed in a separate checklist.

ii. Are all results less than LoQ or RL?
Yes ☐ No ☐ N/A ☒
Comments: See 6.g.i, above.

iii. If above LoQ or RL, specify what samples are affected.
Comments: Click or tap here to enter text.

iv. Are data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: See 6.g.i, above.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Are they defined and appropriate?
Yes ☐ No ☐ N/A ☒
Comments: No other data flags or qualifiers are applicable.

ADEC Contaminated Sites Program Laboratory Data Review Checklist

Completed By:	Amanda Kemp	**CS Site Name:**	Homer HERC	**Lab Name:**	Metiri/SGS
Title:	Environmental Scientist I	**ADEC File No.:**	2314.38.043	**Lab Report No.:**	25E0111
Consulting Firm:	BGES, Inc.	**Hazard ID No.:**	27933	**Lab Report Date:**	07/01/2025

Note: *Any N/A or No box checked must have an explanation in the comments box.*

1. **Laboratory**

   a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?
   Yes ☒ No ☐ N/A ☐
   Comments: Click or tap here to enter text.

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses CS-LAP approved?
   Yes ☒ No ☐ N/A ☐
   Comments: The samples for mercury analyses were subcontracted to SGS North America (SGS) in Orlando.

2. **Chain of Custody (CoC)**

   a. Is the CoC information completed, signed, and dated (including released/received by)?
   Yes ☒ No ☐ N/A ☐
   Comments: Click or tap here to enter text.

   b. Were the correct analyses requested?
   Yes ☒ No ☐ N/A ☐
   Analyses requested: RCRA 6020/200.8, PCB 8082, & TCLP-Lead
   Comments: Click or tap here to enter text.

3. **Laboratory Sample Receipt Documentation**

   a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?
   Yes ☒ No ☐ N/A ☐
   Cooler temperature(s): 3.8 degrees Celsius

Sample temperature(s): Click or tap here to enter text.
Comments: Click or tap here to enter text.

b. Is the sample preservation acceptable – acidified waters, methanol preserved soil (GRO, BTEX, VOCs, etc.)?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Is the sample condition documented – broken, leaking, zero headspace (VOA vials); canister vacuum/pressure checked and no open valves, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No unusual sample conditions were noted.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No discrepancies were noted.

e. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No unusual sample conditions or discrepancies were noted.

4. Case Narrative

a. Is the case narrative present and understandable?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are there discrepancies, errors, or QC failures identified by the lab?
Yes ☒ No ☐ N/A ☐
Comments: The MS sample associated with analysis of metals (EPA 6020B) derived from Sample H1-35-03 exhibited a chromium concentration that was slightly below the laboratory's acceptance limits, indicating the potential for the chromium concentrations in the project samples to be biased low. Therefore, the chromium concentrations in the project samples are qualified with a "J" in Table 2 and should be considered estimates. Because the chromium concentrations are assumed to be indicative of chromium III and were consistent within the range of 17 to 35 mg/Kg, which in our opinion is indicative of background chromium concentrations and well below the ADEC chromium III cleanup criterion in all project sample, it is our opinion that this QC failure does not affect our interpretation of the data.

SGS reported that the MS/MSD recoveries for mercury analyses (EPA Method

7471B) were outside of the laboratory's acceptance criteria, indicating the potential for the mercury concentrations in the project samples to be biased. However, because the MS/MSD samples were prepared from soils from a different project, it is our opinion that this QC failure does not affect our interpretation of the data.

SGS reported that the laboratory duplicate sample and the serial dilution duplicate sample (EPA Method 7471B) RPDs exceeded the laboratory's acceptance criteria, indicating the potential for the mercury concentrations in the project samples to be biased. Therefore, the detected mercury concentrations in the project samples are qualified with a "J" in Table 2 and should be considered estimates. However, mercury was either not detected above PQLs at least 10 percent less than ADEC cleanup criterion, or mercury concentrations were detected at least 27 percent below the ADEC cleanup criterion (except for Sample H1-53-03); therefore, for these samples, it is our opinion that this QC failure does not affect our interpretation of the data.

Sample H1-53-03 exhibited a mercury concentration that was only about 2.8 percent below the ADEC cleanup criterion; therefore, it cannot be determined if this concentration actually exceeds the ADEC cleanup criterion. We have included the mercury result for this sample on Figure 8 with a note to this effect.

c. Were all the corrective actions documented?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. What is the effect on data quality/usability according to the case narrative?
Comments: See 4.b, above.

5. Sample Results

a. Are the correct analyses performed/reported as requested on CoC?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are all applicable holding times met?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Are all soils reported on a dry weight basis?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. Are the reported practical quantitation limit (PQL) or method detection limits (MDL), or detection limits (DL) less than the Cleanup Level or the action level for the project?
   Yes ☒ No ☐ N/A ☐
   Comments:

e. Is the data quality or usability affected?
   Yes ☐ No ☐ N/A ☒
   Comments: See 5.a through 5.d, above.

6. QC Samples

a. Method Blank

   i. Was one method blank reported per matrix, analysis, and 20 samples?
      Yes ☒ No ☐ N/A ☐
      Comments: Click or tap here to enter text.

   ii. Are all method blank results less than PQL (or MDL)?
      Yes ☒ No ☐
      Comments: Click or tap here to enter text.

   iii. If above PQL or MDL, what samples are affected?
      Comments: Click or tap here to enter text.

   iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
      Yes ☐ No ☐ N/A ☒
      Comments: No affected samples were noted.

   v. Data quality or usability affected?
      Yes ☐ No ☐ N/A ☒
      Comments: No affected samples were noted.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

   i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
      Yes ☐ No ☐ N/A ☒
      Comments: Samples were not analyzed for organics.

   ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
      Yes ☒ No ☐ N/A ☐

Comments:

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: See 4.b, above.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See 4.b, above.

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: See 4.b, above.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See 4.b, above.

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC, and laboratory samples?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

e. Trip Blanks

i. Is one trip blank reported per matrix, analysis, and for each cooler containing volatile samples? Yes ☐ No ☐ N/A ☒
Comments: The samples were not submitted for any volatile analyses.

ii. Are all results less than PQL or MDL?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

iii. If above PQL or MDL, what samples are affected?
Comments: No trip blank was analyzed.

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

f. Field Duplicate

i. Are one field duplicate submitted per matrix, analysis, and 10 project samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Was the duplicate submitted blind to lab?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water or air, 50% soil)

$$RPD\ (\%) = \left| \frac{R_1 - R_2}{\left(\frac{R_1 + R_2}{2}\right)} \right| X\ 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Is the data quality or usability affected? (Explain)

Yes ☒ No ☐ N/A ☐
Comments: Sample H1-38-04-052125 is a duplicate of H1-38-02-052125 and was collected to evaluate field sampling precision. The RPD between all reported analytes was less than 25 percent which is less than the ADEC-recommended limit of 50 percent for soils; indicating relatively good field sampling precision with respect to this analyte.

Sample H1-43-04-052125 is a duplicate of H1-43-03-052125 and was collected to evaluate field sampling precision. The RPD between all reported analytes was less than 35 percent which is less than the ADEC-recommended limit of 50 percent for soils; indicating relatively good field sampling precision with respect to this analyte.

iv. Is the data quality or usability affected? (Explain)
Yes ☐ No ☒ N/A ☐
Comments: See 6.f, above.

g. Decontamination or Equipment Blanks

i. Were decontamination or equipment blanks collected?
Yes ☒ No ☐ N/A ☐
Comments: Two equipment blanks were collected, they are reported in a separate laboratory package and are discussed in a separate checklist.

ii. Are all results less than LoQ or RL?
Yes ☐ No ☐ N/A ☒
Comments: See 6.g.i, above.

iii. If above LoQ or RL, specify what samples are affected.
Comments: Click or tap here to enter text.

iv. Are data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: See 6.g.i, above.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Are they defined and appropriate?
Yes ☐ No ☐ N/A ☒
Comments: No other data flags or qualifiers are applicable.

ADEC Contaminated Sites Program Laboratory Data Review Checklist

Completed By:	Amanda Kemp	**CS Site Name:**	Homer HERC	**Lab Name:**	Metiri/SGS
Title:	Environmental Scientist I	**ADEC File No.:**	2314.38.043	**Lab Report No.:**	25E0112
Consulting Firm:	BGES, Inc.	**Hazard ID No.:**	27933	**Lab Report Date:**	06/09/2025

Note: *Any N/A or No box checked must have an explanation in the comments box.*

1. **Laboratory**

   a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?
   Yes ☒ No ☐ N/A ☐
   Comments: Click or tap here to enter text.

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses CS-LAP approved?
   Yes ☒ No ☐ N/A ☐
   Comments: The samples for mercury analyses were subcontracted to SGS North America (SGS) in Orlando.

2. **Chain of Custody (CoC)**

   a. Is the CoC information completed, signed, and dated (including released/received by)?
   Yes ☒ No ☐ N/A ☐
   Comments: Click or tap here to enter text.

   b. Were the correct analyses requested?
   Yes ☒ No ☐ N/A ☐
   Analyses requested: RCRA 6020/200.8
   Comments: Click or tap here to enter text.

3. **Laboratory Sample Receipt Documentation**

   a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?
   Yes ☒ No ☐ N/A ☐
   Cooler temperature(s): 3.8 degrees Celsius

Sample temperature(s): Click or tap here to enter text.
Comments: Click or tap here to enter text.

b. Is the sample preservation acceptable – acidified waters, methanol preserved soil (GRO, BTEX, VOCs, etc.)?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Is the sample condition documented – broken, leaking, zero headspace (VOA vials); canister vacuum/pressure checked and no open valves, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No unusual sample conditions were noted.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No discrepancies were noted.

e. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No unusual sample conditions or discrepancies were noted.

4. Case Narrative

a. Is the case narrative present and understandable?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are there discrepancies, errors, or QC failures identified by the lab?
Yes ☒ No ☐ N/A ☐
Comments: The MS recoveries for barium and lead (EPA Method 6020B) were slightly below the laboratory's acceptance criteria, indicating the potential for these analytes to be biased low in the project samples. Lead was not detected in either sample at MDLs that were at least one order of magnitude below the ADEC cleanup criterion. The detected concentrations of barium are qualified with a "J" in Table 3 and should be considered estimates; however, barium was detected at concentrations that were at least three orders of magnitude below the ADEC cleanup criterion. Therefore, it is our opinion that this QC failure does not affect our interpretation of the data. The MSD recoveries for cadmium and chromium slightly exceeded the laboratory's acceptance criteria, indicating the potential for these analytes to be biased high in the project samples. Because cadmium was not detected above MDLs that were less than the ADEC cleanup criterion and because the detected concentrations of chromium were below the ADEC cleanup

criterion (assuming chromium III to be the appropriate cleanup criterion), it is our opinion that this QC failure does not affect our interpretation of the data.

The RPD for the MS/MSD sample pair (EPA Method 6020B) exceeded the laboratory's acceptance criteria, indicating the potential for the arsenic, cadmium, and chromium concentrations in the project samples to be biased. Therefore, the detectable concentrations of chromium in the project samples are qualified with a "J" in Table 3 and should be considered estimates. However, arsenic and cadmium were not detected at MDLs that were at least 40 percent below ADEC cleanup criteria, and chromium was detected at concentrations at least five orders of magnitude below the ADEC cleanup criterion (assuming chromium III to be the appropriate cleanup criterion); therefore, it is our opinion that this QC failure does not affect our interpretation of the data.

SGS reported that the percent recovery of mercury in the MS sample was below the laboratory's acceptance criteria, indicating the potential for this analyte to be biased low in the project samples. In addition, the RPD for the MS/MSD sample pair exceeded the laboratory's acceptance criteria, indicating the potential for the mercury concentrations in the project samples to be biased. However, because the mercury results were non-detectable and because these samples were equipment blanks, it is our opinion that this QC failure does not affect our interpretation of the data.

c. Were all the corrective actions documented?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. What is the effect on data quality/usability according to the case narrative?
Comments: See 4.b, above.

5. Sample Results

a. Are the correct analyses performed/reported as requested on CoC?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are all applicable holding times met?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Are all soils reported on a dry weight basis?
Yes ☐ No ☐ N/A ☒
Comments: Samples collected were water samples.

d. Are the reported practical quantitation limit (PQL) or method detection limits (MDL), or detection limits (DL) less than the Cleanup Level or the action level for the project?
Yes ☐ No ☒ N/A ☐
Comments: Equipment Blank EB01 was collected on May 19, 2025, and exhibited concentrations of barium [0.61 micrograms per liter (µg/L)] and chromium (0.81 µg/L), which were between the PQLs and the MDLs. Because these analytes were detected in the Equipment Blank EB01 sample collected on May 19, 2025, the reported concentrations of these analytes within the project samples collected on this same date are qualified with a "J" in Table 2 and should be considered estimated.

Equipment Blank EB02 was collected on May 21, 2025. Sample EB02 exhibited concentrations of barium (1.9 µg/L) and chromium (0.52 µg/L) which were between the PQLs and the MDLs. Because these analytes were detected in the Equipment Blank EB02 sample collected on May 21, 2025, the reported concentrations of these analytes within the project samples collected on this same date are qualified with a "J" in Table 2 and should be considered estimated.

e. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 5.d, above.

6. QC Samples

a. Method Blank

i. Was one method blank reported per matrix, analysis, and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Are all method blank results less than PQL (or MDL)?
Yes ☒ No ☐
Comments: Click or tap here to enter text.

iii. If above PQL or MDL, what samples are affected?
Comments: Click or tap here to enter text.

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☐ N/A ☒
Comments: No affected samples were noted.

v. Data quality or usability affected?

Yes ☐ No ☐ N/A ☒
Comments: No affected samples were noted.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: See 4.b, above.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See 4.b, above.

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: See 4.b, above.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See 4.b, above.

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: See 4.b, above.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC, and laboratory samples?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK

Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: Samples were not analyzed for organics.

e. Trip Blanks

i. Is one trip blank reported per matrix, analysis, and for each cooler containing volatile samples? Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

ii. Are all results less than PQL or MDL?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

iii. If above PQL or MDL, what samples are affected?
Comments: No trip blank was analyzed.

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank was analyzed.

f. Field Duplicate

i. Are one field duplicate submitted per matrix, analysis, and 10 project samples?
Yes ☐ No ☐ N/A ☒
Comments: This laboratory report includes equipment blanks. Field duplicates are included in separate laboratory reports and are discussed in separate checklists.

ii. Was the duplicate submitted blind to lab?
Yes ☐ No ☐ N/A ☒
Comments: See 6.f.i, above.

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water or air, 50% soil)

$$RPD\ (\%) = \left| \frac{R_1 - R_2}{\left(\frac{R_1 + R_2}{2}\right)} \right| X\ 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Is the data quality or usability affected? (Explain)

Yes ☐ No ☐ N/A ☒
Comments: See 6.f.i, above.

iv. Is the data quality or usability affected? (Explain)
Yes ☐ No ☐ N/A ☒
Comments: See 6.f.i, above.

g. Decontamination or Equipment Blanks

i. Were decontamination or equipment blanks collected?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Are all results less than LoQ or RL?
Yes ☐ No ☒ N/A ☐
Comments: See 5.d, above.

iii. If above LoQ or RL, specify what samples are affected.
Comments: See 5.d, above.

iv. Are data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: Click or tap here to enter text.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Are they defined and appropriate?
Yes ☐ No ☐ N/A ☒
Comments: No other data flags or qualifiers are applicable.

APPENDIX F
CONCEPTUAL SITE MODEL

HUMAN HEALTH CONCEPTUAL SITE MODEL GRAPHIC FORM

Site: Homer HERC Buildings
Homer, Alaska

Completed By: Lisa Vitale
Date Completed: August 12, 2025

***Instructions**: Follow the numbered directions below. Do not consider contaminant concentrations or engineering/land use controls when describing pathways.*

(1) *Check the media that could be directly affected by the release.*

(2) *For each medium identified in (1), follow the top arrow and check possible transport mechanisms. Check additional media under (1) if the media acts as a secondary source.*

(3) *Check all exposure media identified in (2).*

(4) *Check all pathways that could be complete. The pathways identified in this column **must** agree with Sections 2 and 3 of the Human Health CSM Scoping Form.*

(5) *Identify the receptors potentially affected by each exposure pathway: Enter "C" for current receptors, "F" for future receptors, "C/F" for both current and future receptors, or "I" for insignificant exposure.*

Media / Transport Mechanisms

☑ Surface Soil (0-2 ft bgs)
- Direct release to surface soil — check soil
- ☑ *Migration to subsurface* — check soil
- ☐ *Migration to groundwater* — check groundwater
- ☐ *Volatilization* — check air
- ☐ *Runoff or erosion* — check surface water
- ☐ *Uptake by plants or animals* — check biota
- ☐ *Other (list):*______

☐ Subsurface Soil (2-15 ft bgs)
- Direct release to subsurface soil — check soil
- ☐ *Migration to groundwater* — check groundwater
- ☐ *Volatilization* — check air
- ☐ *Uptake by plants or animals* — check biota
- ☐ *Other (list):*______

☐ Ground-water
- Direct release to groundwater — check groundwater
- ☐ *Volatilization* — check air
- ☐ *Flow to surface water body* — check surface water
- ☐ *Flow to sediment* — check sediment
- ☐ *Uptake by plants or animals* — check biota
- ☐ *Other (list):*______

☐ Surface Water
- Direct release to surface water — check surface water
- ☐ *Volatilization* — check air
- ☐ *Sedimentation* — check sediment
- ☐ *Uptake by plants or animals* — check biota
- ☐ *Other (list):*______

☐ Sediment
- Direct release to sediment — check sediment
- ☐ *Resuspension, runoff, or erosion* — check surface water
- ☐ *Uptake by plants or animals* — check biota
- ☐ *Other (list):*______

Exposure Media / Exposure Pathway/Route / Current & Future Receptors

Exposure Media	Exposure Pathway/Route	Residents (adults or children)	Commercial or industrial workers	Site visitors, trespassers, or recreational users	Construction workers	Farmers or subsistence harvesters	Subsistence consumers	Other
☑ soil	☑ Incidental Soil Ingestion		C/F	C/F	C/F			
	☑ Dermal Absorption of Contaminants from Soil		C/F	C/F	C/F			
	☑ Inhalation of Fugitive Dust		C/F	C/F	C/F			
☐ groundwater	☐ Ingestion of Groundwater							
	☐ Dermal Absorption of Contaminants in Groundwater							
	☐ Inhalation of Volatile Compounds in Tap Water							
☐ air	☐ Inhalation of Outdoor Air							
	☐ Inhalation of Indoor Air							
	☐ Inhalation of Fugitive Dust							
☐ surface water	☐ Ingestion of Surface Water							
	☐ Dermal Absorption of Contaminants in Surface Water							
	☐ Inhalation of Volatile Compounds in Tap Water							
☐ sediment	☐ Direct Contact with Sediment							
☐ biota	☐ Ingestion of Wild or Farmed Foods							

Revised, 10/01/2010

APPENDIX B

BGES LIMITED HAZARDOUS BUILDING MATERIALS INVENTORY (HBMI), DATED SEPTEMBER 2025

BGES, INC.

ENVIRONMENTAL CONSULTANTS

LIMITED HAZARDOUS BUILDING MATERIALS INVENTORY
HOMER EDUCATION AND RECREATION CENTER
HOMER, ALASKA

ADEC FILE NUMBER 2314.38.043
ADEC HAZARD ID 27933

SEPTEMBER 2025

Submitted to:	**Flannery Ballard** **Division of Spill Prevention & Response, Contaminated Sites Program** **Alaska Department of Environmental Conservation** **410 Willoughby Avenue** **Juneau, Alaska 99801**
Submitted by:	**BGES, INC.** **1042 East 6th Avenue** **Anchorage, Alaska 99501** **(907) 644-2900** ***WWW.BGESINC.COM***

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ACRONYMS

ACBM	-	Asbestos-Containing Building Materials
ACM	-	Asbestos-Containing Materials
ADEC	-	Alaska Department of Environmental Conservation
AHERA	-	Asbestos Hazard Emergency Response Act
BGES	-	Braunstein Geological and Environmental Services
CFR	-	Code of Federal Regulations
cm^2	-	Square Centimeter
DBAC	-	ADEC Brownfield Assessment and Cleanup
EPA	-	Environmental Protection Agency
HBMI	-	Hazardous Building Materials Inventory
HUD	-	Department of Housing and Urban Development
LBP	-	Lead-Based Paint
µg/L	-	Micrograms Per Liter
mg	-	Milligram
mg/Kg	-	Milligram per Kilogram
NESHAP	-	National Emissions Standard for Hazardous Air Pollutants
OSHA	-	Occupational Safety and Health Administration
PCB	-	Polychlorinated Biphenyls
PEL	-	Permissible Exposure Limit
PLM	-	Polarized Light Microscopy (PLM)
RACM	-	Regulated Asbestos Containing Material
TCLP	-	Toxicity Characteristic Leaching Procedure
TSCA	-	Toxic Substances Control Act
TSI	-	Thermal System Insulation
XRF	-	X-Ray Fluorescence

1.0 INTRODUCTION

BGES, Inc. (BGES) was contracted by the Alaska Department of Environmental Conservation (ADEC) to conduct a limited Hazardous Building Materials Inventory (HBMI) of the Homer Education and Recreation Center (HERC) in Homer, Alaska (hereafter referred to as the "subject property"). The subject property is listed in the ADEC Contaminated Sites database, under File Number 2314.38.043 and Hazard ID Number 27933. The legal description of the subject property is listed by the Kenai Peninsula Borough (KPB) Property Information database as "T 6S R 13W SEC 19 SEWARD MERIDIAN HM 2000022 HOMER SCHOOL SURVEY 1999 CITY ADDN TRACT 2" and is approximately 4.3 acres in size. The subject property is located at 450 Sterling Highway, to the northwest of the intersection of Sterling Highway and West Pioneer Avenue in the southern portion of Homer, Alaska (Figure 1).

According to the ADEC Brownfields Assessment and Cleanup (DBAC) Application, the City of Homer purchased the HERC Buildings, HERC 1 and HERC 2, in July 2000 from the KPB, which had previously used them as a school. The buildings were constructed in the 1950s, before statehood when construction with hazardous building materials (HBMs) was commonplace. HERC 1 is a mixed office space and community gym, and HERC 2 is abandoned due to structural concerns.

HBMI assessments were conducted in 2020 and again in 2023 by two separate firms, and HBMs such as asbestos-containing building materials (ACBMs), lead-based paint (LBP), and polychlorinated biphenyls (PCBs) were identified. Consequently, the City of Homer applied for ADEC DBAC services to review previous HBMI assessments and provide a data gap analysis; assess previous environmental sampling efforts and evaluate the presence of lead in soils from LBP around both buildings; and to assist with cleanup planning by providing an Analysis of Brownfield Cleanup Alternatives (ABCA), including providing support with community engagement efforts.

According to the National Emissions Standard for Hazardous Air Pollutants (NESHAP), Asbestos-Containing Materials (ACMs) are defined as containing at least 1 percent asbestos; including but not limited to chrysotile, amosite, tremolite, actinolite, and crocidolite asbestos. According to the Environmental Protection Agency (EPA), LBP is defined as exceeding the regulatory limit of 1.0 milligram of lead per square centimeter; or 1.0 mg/cm^2. According to the Toxic Substances Control Act (TSCA), PCB bulk product waste is defined as containing more than 50 milligrams per kilogram (mg/Kg) total PCBs.

1.1 2020 Hazardous Building Material Inventory

An HBMI was conducted by Environmental Management, Inc. in 2020 for both buildings (*Hazardous Building Materials Survey – HERC Buildings 1 and 2;* March 2020).

A total of 191 bulk layers were collected from 99 sample locations from both buildings for asbestos analysis. Twenty-three of the samples were found to contain between 2.4 percent and 80 percent asbestos. The HBMI identified ACBMs such as floor tile mastic, pipe insulation, and joint compound in both buildings.

A total of 44 x-ray fluorescence (XRF) readings were collected from both buildings to assess the presence of LBP; however, while the 2020 HBMI report concluded that the windows of each building contained LBP, the HBMI did not collect the appropriate number of readings for the windows or for other building fixtures, did not present the locations of the XRF readings, and did not present the numerical results of those readings, as required by U.S. Department of Housing and Urban Development (HUD) regulations per Sections 1012 & 1013 of Title X, 24 Code of Federal Regulations (CFR) Part 35. The HBMI visually assessed building materials for PCBs and concluded that light ballasts may contain PCBs, but samples for analysis were not collected.

1.2 2022-2023 Hazardous Building Material Inventories

In 2022 and 2023, HBMIs were again conducted for both buildings.

Homer HERC 2 – 2022

In October 2022, in January 2023, and again in May 2023, HTRW, LLC (HTRW) conducted an HBMI of the HERC 2 building *(HERC 2 Hazardous Materials Assessment*, July 25, 2003). The inspection included sampling for ACBM and PCBs and screening for LBP.

A total of 78 bulk layers were collected from 64 sample locations within the building for asbestos analysis. A total of thirty-nine samples were found to contain chrysotile or amosite, and detections ranged from 1.1 percent to 85 percent. The HBMI identified ACBMs such as floor tile and mastic, ceiling mastic, pipe insulation, joint compound, sealant and putty, and other miscellaneous building materials.

A total of 118 samples were collected for PCB analyses, plus 14 duplicate samples. Fifty-seven of the samples, including four duplicate samples, contained detectable amounts of PCBs; thirty-six of those samples contained PCBs in exceedance of 1.0 mg/Kg. Building materials that contained PCBs included wall, door, and window paints; window glazing compounds; ceiling and floor tiles; mastic; cove base; and fiberglass insulation. As mentioned above, these building components are not acceptable at any landfills in Alaska.

HTRW collected 112 screenings using a hand-held XRF (SciApps X-550) from locations throughout the interior and around the exterior of the building. Fourteen of the readings exceeded the EPA regulatory limit of 1.0 milligram per square centimeter (mg/cm^2). However, the inspector did not conduct an inspection to the extent that the HUD regulations require per Sections 1012 & 1013 of Title X, 24 CFR Part 35, and did not collect the appropriate number of samples for each testing combination and each wall within each room equivalent.

Homer HERC 1 - 2023

In May of 2023, HTRW conducted an HBMI of the HERC 1 building *(HERC 1 Hazardous Materials Assessment*, July 25, 2003). The inspection included sampling for ACBM and PCBs and screening for LBP.

HTRW collected 15 bulk samples from 13 sample locations within HERC 1 for asbestos analysis. Three of those samples had detections of chrysotile asbestos at or above 1 percent and were found in the putty used in the exterior seams of the metal siding, window glazing compound, and a cloth within the duct system in the kitchen.

HTRW did not perform an LBP-survey of HERC 1.

HTRW collected 34 samples, including five duplicate samples, for PCB analysis. Nine of the samples contained detectable concentrations of PCBs and seven of those samples contained PCBs in exceedance of 1.0 mg/Kg. Building materials that contained PCBs included wall and window paints and varnish; ceiling tiles; and mastic. As mentioned above, these building components (with detectable concentrations of PCBs) are not acceptable at any landfills in Alaska.

1.3 2025 Hazardous Building Material Inventory by BGES

The purpose of this assessment was to further characterize the potential presence of hazardous building materials, such as LBP in selected, representative areas/locations within the HERC 1 building present on the subject property. This report presents the results of our findings. The presence of LBP was evaluated using an XRF field-screening instrument. This report presents the results of our findings. XRF data are included in Appendix A.

The limited HBMI was performed on May 19 and 20, 2025 by Lisa Vitale, Environmental Scientist II of BGES. Ms. Vitale is an Asbestos Hazard Emergency Response Act (AHERA)-Certified Building

Inspector (Certificate #ON-188748-19662-012825) and a U.S. EPA-Certified Lead Inspector (Certificate #LBP-I-I275520-1). Copies of BGES' certificates are included in Appendix B.

A total of 440 XRF readings were taken from all identified different testing combinations in the buildings on the subject property, from interior and exterior portions of the structures. Testing combinations are comprised of rooms (or room equivalents), building components, and substrates. Forty-five of the XRF readings taken from components of windows around the building, a shelf system and metal pole in the janitor's closet, and the green exterior paint on the walls and door of the gym exceeded the EPA regulatory limit of 1.0 mg/cm^2; and window assessment was discontinued after at least twenty windows returned positive results for LBP.

Applicable regulations regarding the abatement and disposal of ACBM and materials with LBP and PCBs are described in greater detail in Section 5. XRF data are included in Appendix B.

2.0 SITE DESCRIPTION AND SAMPLING TECHNIQUES

The subject property contains two buildings of approximately 24,000 square feet combined; these structures were constructed in the 1950s. Photographs of the subject property and structures are included in Appendix C. Interior and exterior portions of the structures, including the roofs, were inspected for the presence of LBP.

Lead sampling was performed by utilizing a Heuresis Pb200i XRF Lead Analyzer to test for the presence of lead in selected painted surfaces. This was accomplished in general accordance with established U.S. HUD & EPA guidelines.

3.0 LBP SAMPLING AND ASSESSMENT

3.1 Description of Assessment

The LBP assessments were conducted on May 19 and 20, 2025. The assessment included a visual inspection of the structures and collection of XRF data from painted surfaces.

3.2 XRF Analytical Techniques

Painted surfaces were analyzed using a Heuresis Pb200i XRF Lead Analyzer. For a complete description of the XRF testing method, please refer to the 1997 HUD Inspection Protocol.

4.0 RESULTS

A total of 440 XRF readings were taken from all identified different testing combinations, from interior and exterior portions of the structures. Testing combinations are comprised of rooms (or room equivalents), building components, and substrates. Forty-five of the readings taken from components of windows around the building, a shelf system and metal pole in the janitor's closet, and the green exterior paint on the walls and door of the gym exceeded the EPA regulatory limit of 1.0 mg/cm^2; and assessment of windows was discontinued after at least twenty windows returned positive results for LBP.

XRF sample locations are depicted on Figures 2 through 5 and photographs of the sampled locations where LBP was detected are provided in Appendix C. Applicable regulations regarding the abatement and disposal of LBP are described in greater detail in Section 5 below. XRF data are summarized in Appendix A.

5.0 APPLICABLE REGULATIONS AND GUIDELINES

5.1 Lead-Based Paint for Federally Owned or Assisted Housing (Sections 1012 & 1013)

On September 15, 1999, HUD published final regulations to implement Sections 1012 & 1013 of Title X, which set forth specific policies on LBP hazard reduction in federally assisted and federally owned housing (24 CFR Part 35 — Requirement for Notification, Evaluation and Reduction of Lead-Based Paint Hazard in Housing Receiving Federal Assistance). This rule is a comprehensive amendment of previous federal housing LBP regulations and consolidates HUD LBP requirements into one part of the CFR. HUD guidelines are applicable for a dwelling that contains LBP at 1.0 mg/cm^2 or more. In most cases, HUD guidelines also require disclosure of the presence of LBP in building materials to any future tenants or owners of the property.

5.2 U.S. EPA's Renovation, Repair, & Painting (RRP) Rule (40 CFR 745 Subpart E)

Between 2008 and 2013, the U.S. EPA promulgated the RRP guidelines pertaining to renovation, repair, and painting projects that disturb lead-based paint in homes, child care facilities and pre-schools built before 1978, and it requires contractors to have their firm certified by EPA (or an EPA-authorized state), use certified renovators who are trained by EPA-approved training providers, and follow lead-safe work practices.

5.3 US EPA NESHAP Regulations

According to the NESHAP standards, before general demolition or renovation activities within buildings containing asbestos can occur, identified friable and some categories of non-friable ACBMs must be properly encapsulated or abated, as prescribed by NESHAP regulations. NESHAP categorizes ACM analyzed by the polarized light microscopy (PLM) method into two main types, friable and non-friable ACM. Friable ACM is a material that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM is further delineated by two different Categories, Category I and Category II non-friable ACM. Category I non-friable ACM is defined as asbestos-containing packing, gaskets, resilient floor covering, and asphalt roofing product. Category II non-friable ACM is any material, excluding Category I non-friable ACM that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure. NESHAP considers friable ACM, Category I non-friable ACM, and Category II non-friable ACM that is exposed to certain conditions (discussed below), to be Regulated Asbestos Containing Material (RACM). Notification to the U.S. EPA or the state is required before a building containing RACM is demolished or renovated. A material is considered RACM if it fits these criteria:

- Friable ACM.
- Category I non-friable ACM that has been or will be exposed to forces during demolition or removal that may disturb the material and cause it to become friable. This includes, but is not limited to, grinding, cutting, sanding, and abrading.
- Category II non-friable ACM that has been or will be exposed to forces during demolition or renovation that may disturb the material, causing it to become crumbled, pulverized, or reduced to a powdered form.

According to NESHAP regulations, RACM need not be removed before demolition or renovation if it meets the following criteria:

- It is Category I non-friable ACM that is in good condition.
- It is enclosed in concrete or other similarly hard material and is adequately wet when it is exposed during demolition or renovation.
- The RACM was discovered after demolition or renovation began and it cannot be safely removed.
- It is Category II non-friable ACM and there is a low probability that the material will become disturbed during demolition or renovation.

5.4 OSHA Regulations CFR 1910 And 1926

The Occupational Safety and Health Administration (OSHA)'s permissible exposure limit (PEL) is 0.1 fiber per cubic centimeter (f/cc) of air as an 8-hour time-weighted average (TWA). The Excursion Limit is 1.0 f/cc averaged over a 30-minute period.

With the exception of agricultural activities, OSHA's general industry standard regulates all activities related to asbestos that are not covered by the construction and shipyard employment standards. This standard requires employers to provide awareness training to employees who perform maintenance or housekeeping duties where ACM or presumed ACM is located. This includes a mandatory participation-training program for all employees who are exposed to airborne asbestos at or above the PEL and or Excursion Limit. The program should be instituted and carried out before the employee's initial exposure to the area and a refresher course must be offered annually.

Under OSHA's construction standard, OSHA classifies construction activity according to descending degree of risk, with Class I work presenting the greatest potential risk and class IV the lowest.

- Class I work involves the removal of Thermal System Insulation (TSI) and surfacing ACM or PACM.
- Class II work involves removal of any other ACM that is not TSI or surfacing ACM.
- Class III work includes repair and maintenance activities where employees are likely to disturb ACM.
- Class IV work is defined as maintenance and custodial activities during which employees contact ACM or PACM, including waste and debris cleanup.

Employers must institute a training program for all workers who install asbestos-containing products and all workers who perform Class I, II, III, or IV work. Medical surveillance is required for all workers who engage in class I, II, or III work for a combined total of 30 days or more per year. Medical surveillance is also required for those who are exposed above the PEL or the excursion limit of 1.0 f/cc. Employers and building owners must communicate the hazard to employees and the contractors when ACM or PACM is present in their facilities or if their employees will work with ACM.

OSHA requires a competent person to be designated by the employer. The competent person must have qualifications and the authority for ensuring worker health and safety. This includes identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy to reduce asbestos exposure with the authority to take prompt corrective action. Class I and Class II construction work requires the USEPA's Model Accreditation Plan (40 CFR 763) training or its equivalent for the project designer or supervisor. Class III and Class IV construction work requires completion of a 24-hour Operation and Maintenance (O&M) course developed by the U.S. EPA (40 CFR 763.93) or its equivalent. The duties of the competent person include regular inspections of the job site, equipment, and materials as part of the required safety and health program.

5.5 U.S. EPA's Disposal of PCB Bulk Product Waste (40 CFR 761.62)

TSCA regulations apply when PCBs are determined to be present at concentrations exceeding 50 mg/Kg in solid wastes. TSCA-regulated PCB bulk product waste may be disposed of in a facility permitted, licensed, or registered by a State as a municipal or non-municipal non-hazardous waste landfill provided the waste is one of the following: plastics (such as plastic insulation from wire or cable; radio, television and computer casings; vehicle parts; or furniture laminates); preformed or molded rubber parts and components; applied dried paints, varnishes, waxes or other similar coatings or sealants; caulking; Galbestos; non-liquid building demolition debris; or non-liquid PCB bulk product waste from the shredding of automobiles or household appliances from which PCB small capacitors have been removed (shredder fluff), or is a PCB bulk product waste, sampled in accordance with the protocols set out in 40 CFR 761 subpart R, that leaches PCBs at <10 micrograms per liter (µg/L) of water measured using a procedure used to simulate leachate generation.

Additionally, PCB waste disposal records and reports must be maintained in accordance with 40 CFR 761 subpart K.

5.6 State of Alaska Landfill Disposal Requirements

The ADEC has issued guidance regarding disposal requirements for building materials from non-residential facilities with LBP. For more information regarding material disposal options, please refer to the ADEC publication titled "Non-Residential Lead-Based Paint Guidance Document" dated April 2024, which discusses disposal limitations based on total lead and toxicity characteristic leaching procedure (TCLP)-lead concentrations.

In Alaska, materials with detections of PCBs are generally not permitted in rural landfills. The maximum allowable PCB concentration for disposal of building materials in some landfills (such as the Anchorage Regional Landfill) is 1.0 mg/Kg. Some landfills may have further restrictions regarding disposal of PCBs. For more information, please contact the ADEC Solid Waste Division or the landfill proposed for disposal of the material.

6.0 CONCLUSIONS AND RECOMMENDATIONS

A total of 440 XRF readings were taken from selected painted surfaces, divided into various testing combinations. Forty-five of the readings taken from components of windows around the building, a shelf system and metal pole in the janitor's closet, and the green exterior paint on the walls and door of the gym exceeded the EPA regulatory limit of 1.0 mg/cm^2; and window assessment was discontinued after at least twenty windows returned positive results for LBP.

Figures 2 through 5 depict the locations where hazardous building materials have been identified on the subject property during this inspection, as well as all previous hazardous building materials surveys performed to date.

The conclusions and recommendations presented in this report are based on prevailing site conditions during the sample collection period. The inspector did not demolish walls, chases, or any other building spaces while performing this assessment. Consequently, asbestos-containing materials (ACMs), PCBs, and LBP may be present in other areas/building materials that were not inspected during this survey.

Other potentially hazardous materials that are found in some building components include PCBs in fluorescent light ballasts (unless the ballast is labeled as 'non-PCB-containing'); mercury in some thermostats, fluorescent light tubes and lamps; and phosphorescent chemicals in emergency exit signs. In addition, electric switches and water heaters frequently contain mercury. Electronic devices such as computer monitors, televisions, cell phones, printers, computer bodies (processors), telephones, and microwave ovens may contain lead, cadmium, chromium, and copper. If these materials are not identified to be free of the respective potential hazardous substances; then they should be tested, or assumed to contain the applicable hazardous materials, and be handled and disposed of in accordance with applicable laws and regulations.

This report was prepared for our client, Flannery Ballard, Environmental Program Specialist for the Alaska Department of Environmental Conservation. The scope of work was defined in the October 9, 2024 work plan that was approved on October 24, 2024. It is not intended for third parties to rely on the information provided in this report, except at their own risk. This report presents facts, observations, and inferences based on conditions observed during the period of our project activities, and only those conditions that were evaluated as part of our scope of work. Changes to site conditions may have occurred since we completed our initial project activities. These changes may be from the actions of man or nature. Changes in regulations may also impact the interpretation of site conditions. BGES will not disclose our findings to any parties other than our client as listed above, except as directed by our client, or as required by law.

The lead inspection was conducted by Lisa Vitale, Environmental Scientist II of BGES. Ms. Vitale is an AHERA-Certified Building Inspector (Certificate #ON-188748-19662-012825) and an EPA-Certified Lead Inspector (Certificate #LBP-I-I275520-1).

This HBMI report was prepared by Emily Adler, Environmental Scientist I of BGES, and reviewed by Brian Braunstein, Senior Environmental Scientist II of BGES. Mr. Braunstein is an AHERA-Certified Building Inspector (Certificate #ON-188748-19654-011125) and an EPA-Certified Lead Risk Assessor (Certificate #LBP-R-13453-4). He has over 20 years of environmental consulting experience and has managed numerous HBMIs at sites throughout Alaska.

Conducted by:	Prepared by:	Reviewed by:
Lisa Vitale Environmental Scientist II	Emily Adler Environmental Scientist I	Brian Braunstein Senior Environmental Scientist II

TABLE 1
LBP LOCATIONS

Positive XRF Sample ID #	Testing Location	Building Component	Approximate Area (estimated total for unit/common area)
Numerous	HERC 1	All window components, excluding the glass	All windows
295 - 298	Janitor Closet in Men's Bathroom	Shelf	~ 50 square feet
299	Janitor Closet in Men's Bathroom	Shelf Support	~ 10 square feet
411, 412, 415, 417, 433	Exterior Wall	Exterior Wall	~12,000 square feet
423	Exterior Roof	Exterior Trim	~1,000 square feet
435	Exterior Gym Door	Exterior Door Casing	~50 square feet

Source: Google Earth Pro ©

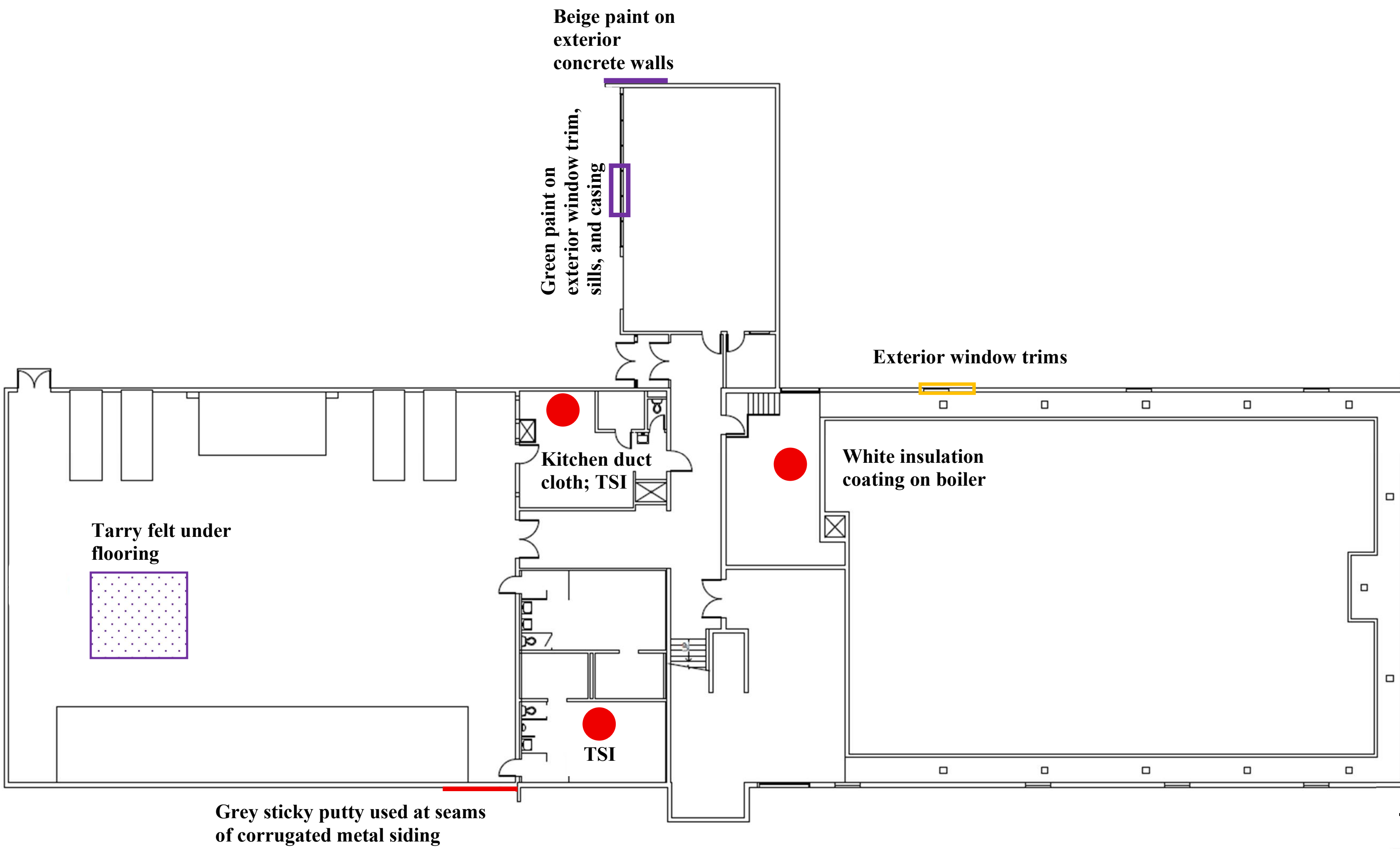
0 50 100 200

Approximate Scale in Feet

N

Homer HERC Buildings
Homer, Alaska
Site Map

BGES, INC.	**September 2025**	**Figure 1**



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

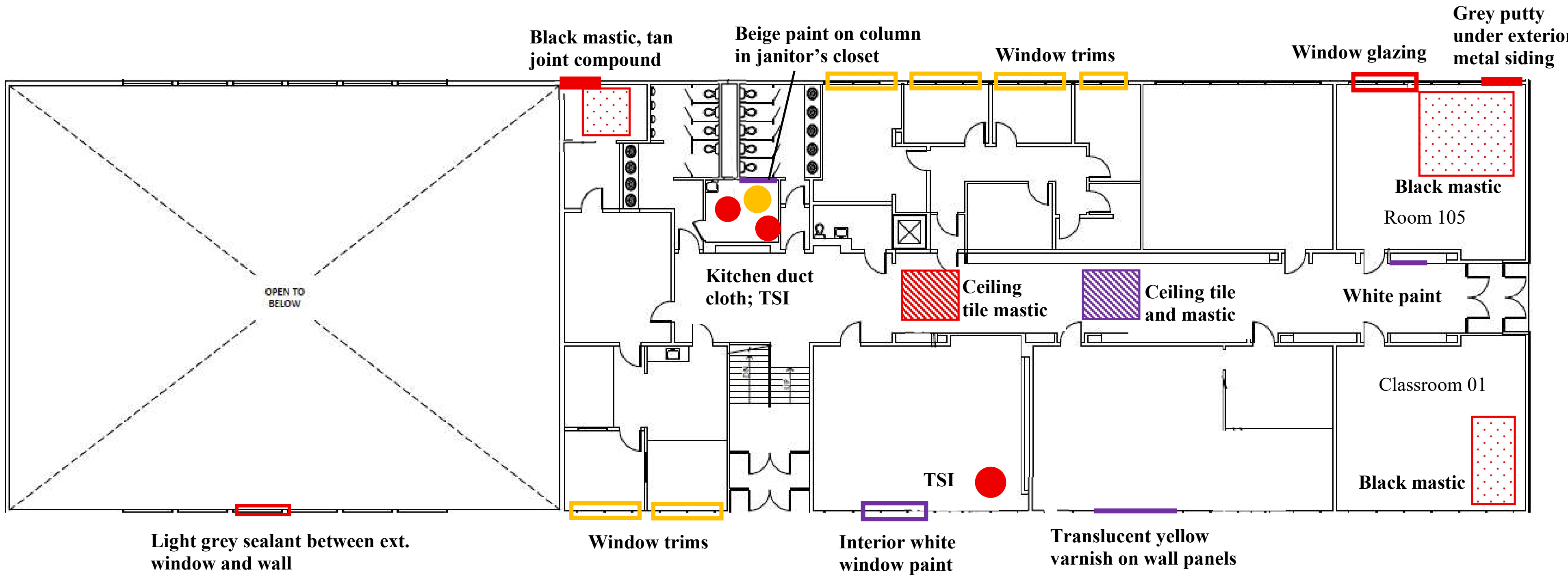
Building Component Contains

	Asbestos	LBP	PCBs
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Homer HERC Buildings
Homer, Alaska

HERC 1 – 1st Floor
Hazardous Building Materials

BGES, INC. | **September 2025** | **Figure 2**



Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

Legend

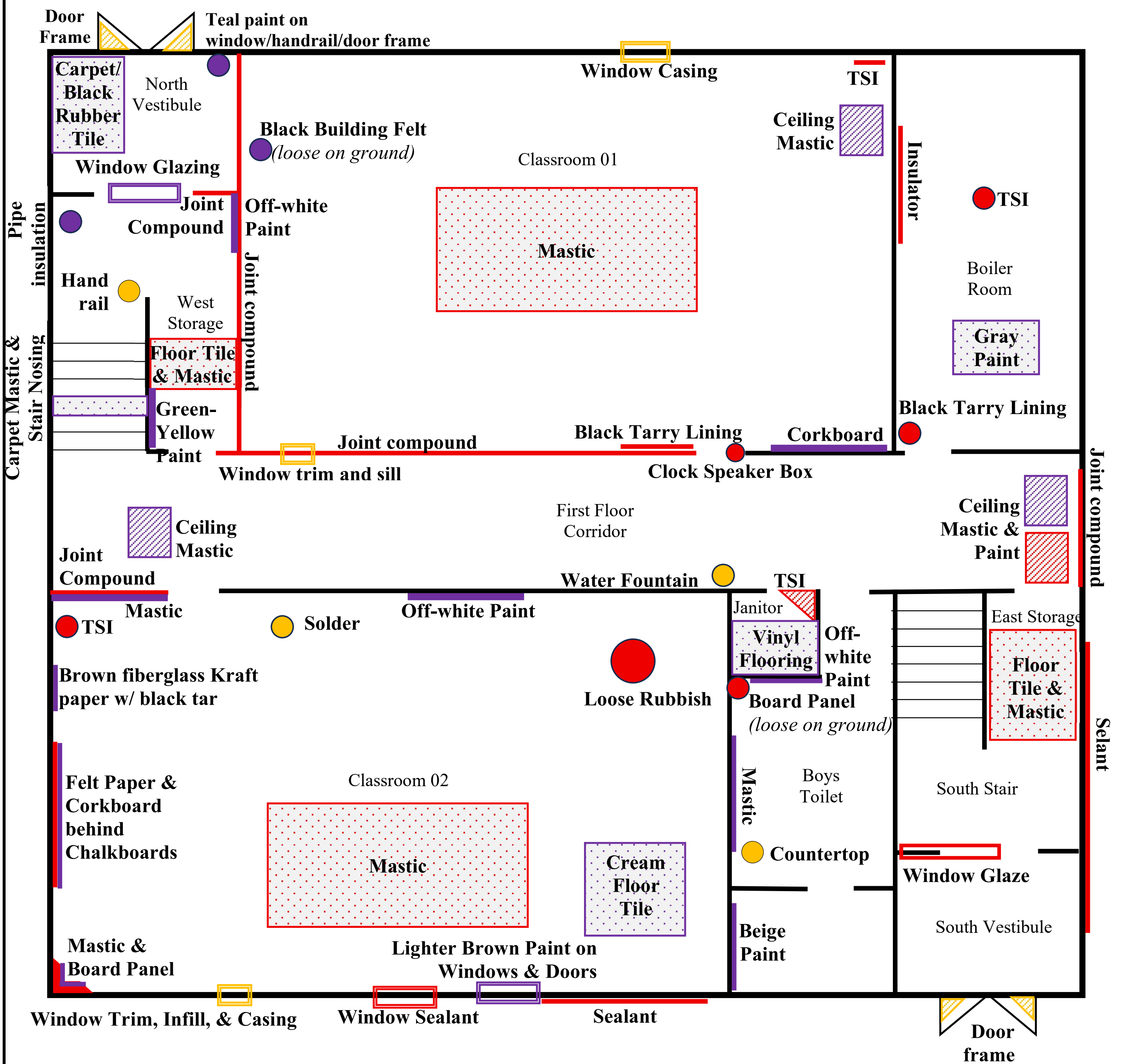
Building Component Contains

	Asbestos	LBP	PCBs
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Homer HERC Buildings
Homer, Alaska

HERC 1 – 2nd Floor
Hazardous Building Materials

BGES, INC. | **September 2025** | **Figure 3**



Legend

Building Component Contains

	Asbestos	LBP	PCBs
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

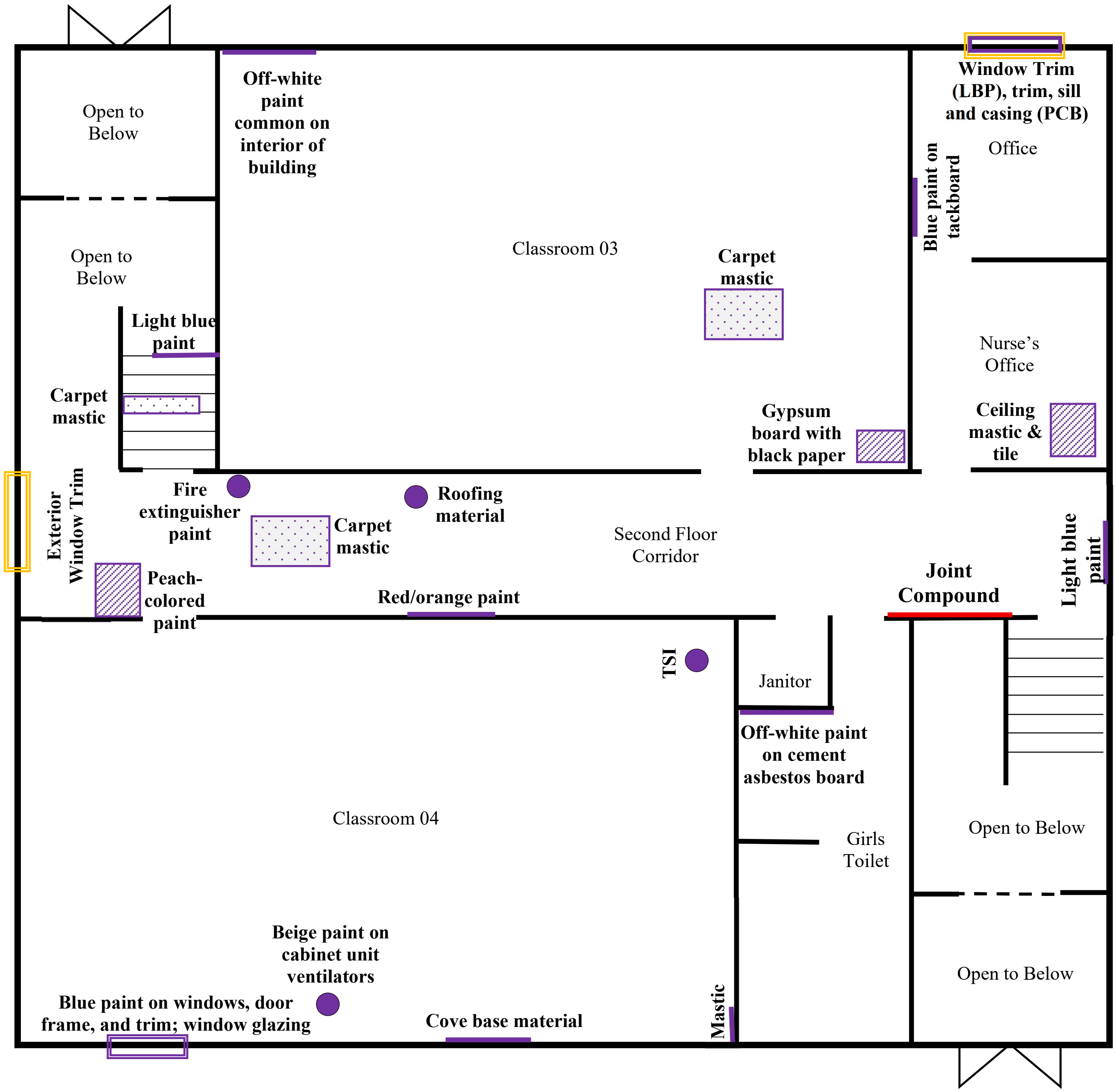
Homer HERC Buildings
Homer, Alaska

HERC 2 – 1st Floor
Hazardous Building Materials

BGES, INC. ENVIRONMENTAL CONSULTANTS

September 2025

Figure 4



Legend

Building Component Contains

	Asbestos	**LBP**	**PCBs**
Window component			
Wall component			
Door component			
Floor component			
Ceiling component			
TSI & other Miscellaneous items			

Floorplan from HERC 1 Hazardous Materials Assessment; scale not provided

N

Homer HERC Buildings
Homer, Alaska

HERC 2 - 2nd Floor
Hazardous Building Materials

BGES, INC. ENVIRONMENTAL CONSULTANTS

September 2025 | **Figure 5**

APPENDIX A
XRF DATA

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
	Herc1 LBP		Calibration					0.1	Negative	5/20/2025	16:06:14
	Herc1 LBP		Calibration					0	Negative	5/20/2025	16:06:29
	Herc1 LBP		Calibration					0.1	Negative	5/20/2025	16:06:47
	Herc1 LBP		**Calibration**					**1.1**	**Positive**	**5/20/2025**	**16:07:02**
	Herc1 LBP		**Calibration**					**1.1**	**Positive**	**5/20/2025**	**16:07:28**
	Herc1 LBP		**Calibration**					**1.2**	**Positive**	**5/20/2025**	**16:08:14**
1	Herc1 LBP	Common	Front Stairwell	Railing		Metal	A	0	Negative	5/20/2025	16:09:46
2	Herc1 LBP	Common	Front Stairwell	Railing		Metal	A	0	Negative	5/20/2025	16:10:09
3	Herc1 LBP	Common	Front Stairwell	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	16:10:46
4	Herc1 LBP	Common	Front Stairwell	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	16:11:10
5	Herc1 LBP	Common	Front Stairwell	Room	Wall	Drywall	A	0.2	Negative	5/20/2025	16:11:24
6	Herc1 LBP	Common	Front Stairwell	Room	Wall	Drywall	C	0.3	Negative	5/20/2025	17:16:09
7	Herc1 LBP	Common	Front Stairwell	Room	Wall	Drywall	C	0.3	Negative	5/20/2025	17:16:27
8	Herc1 LBP	Common	Hallway	Room	Wall	Drywall	C	0.5	Negative	5/20/2025	17:16:57
9	Herc1 LBP	Common	Hallway	Room	Wall	Drywall	D	0.3	Negative	5/20/2025	17:17:20
10	Herc1 LBP	Common	Hallway	Door	Inner Casing	Metal	C	0.1	Negative	5/20/2025	17:21:07
11	Herc1 LBP	Common	Hallway	Door	---	Wood	C	0	Negative	5/20/2025	17:21:41
12	Herc1 LBP	Common	Hallway	Room	Wall	Drywall	A	0.3	Negative	5/20/2025	17:23:20
13	Herc1 LBP	Common	Hallway	Room	Wall	Drywall	D	0.3	Negative	5/20/2025	17:23:57
14	Herc1 LBP	Common	Hallway	Room	Chair Rail	Wood	D	0	Negative	5/20/2025	17:24:26
15	Herc1 LBP	Common	Hallway	Door	Jamb	Metal	C	0.1	Negative	5/20/2025	17:25:02
16	Herc1 LBP	Common	Hallway	Door	Jamb	Metal	C	0.1	Negative	5/20/2025	17:25:14
17	Herc1 LBP	Common	Hallway	Door	Inner Casing	Metal	C	0.1	Negative	5/20/2025	17:25:34
18	Herc1 LBP	Common	Hallway	Door	---	Wood	A	0	Negative	5/20/2025	17:26:10
19	Herc1 LBP	Common	Basement	Room	Wall	Drywall	D	0.1	Negative	5/20/2025	17:27:15
20	Herc1 LBP	Common	Basement	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	17:27:34
21	Herc1 LBP	Common	Basement	Room	Wall	Drywall	B	0	Negative	5/20/2025	17:27:57
22	Herc1 LBP	Common	Basement	Ledge		Wood	B	0	Negative	5/20/2025	17:29:15
23	Herc1 LBP	Common	Basement	Ledge		Wood	B	0	Negative	5/20/2025	17:29:30
24	Herc1 LBP	Common	Basement	HVAC		Metal	B	0.1	Negative	5/20/2025	17:30:13
25	Herc1 LBP	Common	Basement	Room	Wall	Drywall	C	0.3	Negative	5/20/2025	17:30:53
26	Herc1 LBP	Common	Basement	Room	Wall	Concrete	D	0.1	Negative	5/20/2025	17:31:27
27	Herc1 LBP	Common	Basement	Pipe	Vertical	Metal	D	0.1	Negative	5/20/2025	17:32:04
28	Herc1 LBP	Common	Basement	Bookcase	Shelf	Wood	A	0.1	Negative	5/20/2025	17:32:39
29	Herc1 LBP	Common	Basement	Bookcase	Shelf	Wood	A	0	Negative	5/20/2025	17:32:54
30	Herc1 LBP	Common	Basement	Room	Ceiling	Concrete	A	0.1	Negative	5/20/2025	17:33:35
31	Herc1 LBP	Common	Basement	Room	Wall	Drywall	B	0.1	Negative	5/20/2025	17:34:00
32	Herc1 LBP	Common	Basement	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	17:34:33
33	Herc1 LBP	Common	Basement	Room	Floor	Concrete	A	0.1	Negative	5/20/2025	17:35:10
34	Herc1 LBP	Common	Basement	Room	Wall	Drywall	D	0.1	Negative	5/20/2025	17:35:44
35	Herc1 LBP	Common	Basement	Room	Wall	Drywall	B	0	Negative	5/20/2025	17:36:07
36	Herc1 LBP	Common	Basement	Door	---	Drywall	B	0	Negative	5/20/2025	17:36:31
37	Herc1 LBP	Common	Basement	Door	---	Wood	D	0	Negative	5/20/2025	17:37:03
38	Herc1 LBP	Common	Basement	Door	---	Wood	B	0	Negative	5/20/2025	17:37:22
39	Herc1 LBP	Common	Basement	Door	Jamb	Wood	A	0	Negative	5/20/2025	17:37:50
40	Herc1 LBP	Common	Basement	Room	Ceiling	Concrete	A	0.2	Negative	5/20/2025	17:38:20
41	Herc1 LBP	Common	Basement	Room	Wall	Concrete	C	0.2	Negative	5/20/2025	17:38:45
42	Herc1 LBP	Common	Basement	Room	Wall	Concrete	A	0.2	Negative	5/20/2025	17:39:06
43	Herc1 LBP	Common	Basement	Room	Wall	Wood	D	0	Negative	5/20/2025	17:39:27
44	Herc1 LBP	Common	Basement	Room	Wall	Wood	D	0	Negative	5/20/2025	17:39:48
45	Herc1 LBP	Common	Basement	Door	Threshold	Wood	D	0	Negative	5/20/2025	17:40:56
46	Herc1 LBP	Common	Basement	Room	Wall	Drywall	A	0.2	Negative	5/20/2025	17:41:46
47	Herc1 LBP	Common	Basement	Room	Wall	Drywall	B	0.2	Negative	5/20/2025	17:42:05
48	Herc1 LBP	Common	Basement	Room	Wall	Drywall	C	0.2	Negative	5/20/2025	17:42:22
49	**Herc1 LBP**	**Common**	**Basement**	**Window**	**Casing**	**Drywall**	**D**	**2.5**	**Positive**	**5/20/2025**	**17:43:09**
50	**Herc1 LBP**	**Common**	**Basement**	**Window**	**Sill**	**Wood**	**D**	**1.7**	**Positive**	**5/20/2025**	**17:43:39**
51	**Herc1 LBP**	**Common**	**Basement**	**Window**	**Casing**	**Wood**	**D**	**1.9**	**Positive**	**5/20/2025**	**17:43:59**
52	**Herc1 LBP**	**Common**	**Basement**	**Window**	**Casing**	**Wood**	**D**	**1.8**	**Positive**	**5/20/2025**	**17:44:13**
53	**Herc1 LBP**	**Common**	**Basement**	**Window**	**Jamb**	**Wood**	**D**	**4.4**	**Positive**	**5/20/2025**	**17:46:19**
54	**Herc1 LBP**	**Common**	**Basement**	**Window**	**Sash**	**Wood**	**D**	**3**	**Positive**	**5/20/2025**	**17:47:38**
55	Herc1 LBP	Common	Basement	Window	Header	Metal	D	0	Negative	5/20/2025	17:48:36
56	Herc1 LBP	Common	Basement	Window	Header	Metal	D	0.2	Negative	5/20/2025	17:48:51
57	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	A	0.1	Negative	5/20/2025	17:56:11
58	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	A	0	Negative	5/20/2025	17:56:28
59	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	B	0.1	Negative	5/20/2025	17:56:51
60	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	B	0.1	Negative	5/20/2025	17:57:23
61	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	C	0.1	Negative	5/20/2025	17:57:49
62	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	C	0	Negative	5/20/2025	17:58:02
63	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	C	0.1	Negative	5/20/2025	17:58:14
64	Herc1 LBP	Exterior	Shed (Exterior)	Room	Wall	Metal	D	0.1	Negative	5/20/2025	17:58:39

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
65	Herc1 LBP	Common	Hallway	Room	Wall	Concrete	B	0.1	Negative	5/20/2025	18:05:44
66	Herc1 LBP	Common	Hallway	Room	Wall	Concrete	C	0.1	Negative	5/20/2025	18:06:10
67	Herc1 LBP	Common	Hallway	Room	Wall	Drywall	A	0.3	Negative	5/20/2025	18:06:38
68	Herc1 LBP	Common	Hallway	Room	Wall	Drywall	B	0.2	Negative	5/20/2025	18:06:58
69	Herc1 LBP	Common	Hallway	Room	Chair Rail	Drywall	B	0	Negative	5/20/2025	18:07:25
70	Herc1 LBP	Common	Hallway	Room	Chair Rail	Drywall	B	0	Negative	5/20/2025	18:07:39
71	Herc1 LBP	Common	Hallway	Room	Chair Rail	Metal	D	0	Negative	5/20/2025	18:08:14
72	Herc1 LBP	Common	Hallway	Room	Chair Rail	Wood	D	0	Negative	5/20/2025	18:08:42
73	Herc1 LBP	Apartment	Bathroom	Door	Jamb	Metal	C	0	Negative	5/20/2025	18:09:55
74	Herc1 LBP	Apartment	Bathroom	Door	Casing	Metal	C	0	Negative	5/20/2025	18:10:15
75	Herc1 LBP	Apartment	Bathroom	Door	Casing	Metal	C	0	Negative	5/20/2025	18:10:28
76	Herc1 LBP	Apartment	Bathroom	Door	---	Metal	C	0	Negative	5/20/2025	18:10:49
77	Herc1 LBP	Apartment	Bathroom	Door	---	Metal	C	0.1	Negative	5/20/2025	18:11:05
78	Herc1 LBP	Apartment	Bathroom	Door	Frame	Wood	C	0	Negative	5/20/2025	18:11:46
79	Herc1 LBP	Apartment	Bathroom	Room	Wall	Wood	B	0	Negative	5/20/2025	18:12:20
80	Herc1 LBP	Apartment	Bathroom	Room	Wall	Metal	A	0	Negative	5/20/2025	18:12:54
81	Herc1 LBP	Apartment	Bathroom	Room	Wall	Metal	D	0.1	Negative	5/20/2025	18:13:20
82	Herc1 LBP	Apartment	Bathroom	Room	Wall	Metal	B	0.3	Negative	5/20/2025	18:13:53
83	Herc1 LBP	Apartment	Bathroom	Room	Wall	Metal	D	0	Negative	5/20/2025	18:14:14
84	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	18:14:38
85	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	D	0.1	Negative	5/20/2025	18:15:00
86	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	C	0.1	Negative	5/20/2025	18:15:20
87	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	B	0	Negative	5/20/2025	18:15:41
88	Herc1 LBP	Apartment	Bathroom	Room	Chair Rail	Wood	B	0	Negative	5/20/2025	18:16:32
89	Herc1 LBP	Apartment	Bathroom	Room	Ceiling	Drywall	B	0.4	Negative	5/20/2025	18:17:18
90	Herc1 LBP	Apartment	Bathroom	Radiator	Cover	Metal	D	0.2	Negative	5/20/2025	18:17:53
91	Herc1 LBP	Common	Building 2 Laundry Room	Door	Casing	Metal	C	0	Negative	5/20/2025	18:20:52
92	Herc1 LBP	Common	Building 2 Laundry Room	Door	---	Metal	C	0	Negative	5/20/2025	18:21:32
93	Herc1 LBP	Common	Building 2 Laundry Room	Door	Jamb	Metal	C	0	Negative	5/20/2025	18:22:01
94	Herc1 LBP	Common	Building 2 Laundry Room	Room	Wall	Wood	B	0	Negative	5/20/2025	18:23:02
95	Herc1 LBP	Common	Building 2 Laundry Room	Room	Wall		C	0	Negative	5/20/2025	18:23:51
96	Herc1 LBP	Common	Building 2 Laundry Room	Room	Crown Molding	Metal	B	0	Negative	5/20/2025	18:24:32
97	Herc1 LBP	Common	Building 2 Laundry Room	Room	Crown Molding	Metal	B	0	Negative	5/20/2025	18:24:50
98	Herc1 LBP	Common	Building 2 Laundry Room	Room	Wall	Drywall	B	0	Negative	5/20/2025	18:25:18
99	Herc1 LBP	Common	Building 2 Laundry Room	Door	---	Metal	B	0	Negative	5/20/2025	18:26:02
100	Herc1 LBP	Common	Building 2 Laundry Room	Door	Buck	Metal	B	0	Negative	5/20/2025	18:26:30
101	Herc1 LBP	Common	Building 2 Laundry Room	Door	Casing	Metal	B	0	Negative	5/20/2025	18:26:50
102	Herc1 LBP	Common	Building 2 Laundry Room	Door	Casing	Wood	B	0	Negative	5/20/2025	18:27:20
103	Herc1 LBP	Common	Building 2 Laundry Room	Room	Floor	Wood	B	0.1	Negative	5/20/2025	18:28:01
104	Herc1 LBP	Common	Building 2 Laundry Room	Room	Floor	Wood	B	0.1	Negative	5/20/2025	18:28:13
105	Herc1 LBP	Common	Building 2 Laundry Room	Room	Floor	Wood	B	0.1	Negative	5/20/2025	18:28:43
106	Herc1 LBP	Common	Building 2 Laundry Room	Room	Floor	Wood	B	0.1	Negative	5/20/2025	18:28:55
107	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	D	0.1	Negative	5/20/2025	18:30:15
108	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	A	0	Negative	5/20/2025	18:30:36
109	Herc1 LBP	Apartment	Bathroom	Room	Wall	Metal	B	0	Negative	5/20/2025	18:31:04
110	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	B	0.1	Negative	5/20/2025	18:31:32
111	Herc1 LBP	Apartment	Bathroom	Room	Chair Rail	Wood	B	0	Negative	5/20/2025	18:32:09
112	Herc1 LBP	Apartment	Bathroom	Room	Chair Rail	Metal	B	0	Negative	5/20/2025	18:32:28
113	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	C	0	Negative	5/20/2025	18:32:57
114	Herc1 LBP	Apartment	Kitchen	Room	Wall	Drywall	B	0	Negative	5/20/2025	18:34:26
115	Herc1 LBP	Apartment	Kitchen	Door	---	Wood	A	0	Negative	5/20/2025	18:34:56
116	Herc1 LBP	Apartment	Kitchen	Door	Casing	Wood	A	0.1	Negative	5/20/2025	18:35:27
117	Herc1 LBP	Apartment	Kitchen	Door	Casing	Metal	A	0	Negative	5/20/2025	18:35:53
118	Herc1 LBP	Apartment	Kitchen	Door	Jamb	Metal	A	0	Negative	5/20/2025	18:36:14
119	Herc1 LBP	Apartment	Kitchen	Room	Wall	Drywall	A	0	Negative	5/20/2025	18:37:41
120	Herc1 LBP	Apartment	Kitchen	Room	Wall	Drywall	B	0	Negative	5/20/2025	18:38:02
121	Herc1 LBP	Apartment	Kitchen	Room	Wall	Drywall	C	0.1	Negative	5/20/2025	18:38:22
122	Herc1 LBP	Apartment	Kitchen	Room	Wall	Drywall	B	0.1	Negative	5/20/2025	18:38:43
123	Herc1 LBP	Apartment	Kitchen	Room	Wall	Drywall	D	0	Negative	5/20/2025	18:39:05
124	Herc1 LBP	Apartment	Kitchen	Cabinets	Door	Metal	D	0	Negative	5/20/2025	18:39:49
125	Herc1 LBP	Apartment	Kitchen	Cabinets	Shelf	Metal	D	0	Negative	5/20/2025	18:40:21
126	Herc1 LBP	Apartment	Kitchen	Closet	Wall	Metal	D	0	Negative	5/20/2025	18:41:18
127	Herc1 LBP	Apartment	Kitchen	Closet	Jamb	Metal	D	0	Negative	5/20/2025	18:41:47
128	Herc1 LBP	Apartment	Kitchen	Closet	Casing	Metal	D	0	Negative	5/20/2025	18:42:05
129	Herc1 LBP	Apartment	1/2 Bathroom	Door	---	Wood	B	0	Negative	5/20/2025	18:43:07
130	Herc1 LBP	Apartment	1/2 Bathroom	Door	Jamb	Metal	B	0	Negative	5/20/2025	18:43:39
131	Herc1 LBP	Apartment	1/2 Bathroom	Door	Casing	Metal	B	0.1	Negative	5/20/2025	18:43:56
132	Herc1 LBP	Apartment	1/2 Bathroom	Door	Casing	Metal	B	0	Negative	5/20/2025	18:44:09
133	Herc1 LBP	Apartment	1/2 Bathroom	Room	Wall	Drywall	A	0.3	Negative	5/20/2025	18:44:39
134	Herc1 LBP	Apartment	1/2 Bathroom	Room	Wall	Drywall	B	0.4	Negative	5/20/2025	18:45:23

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
135	Herc1 LBP	Apartment	1/2 Bathroom	Room	Wall	Drywall	B	0	Negative	5/20/2025	18:45:42
136	Herc1 LBP	Apartment	1/2 Bathroom	Room	Wall	Drywall	A	0	Negative	5/20/2025	18:46:02
137	Herc1 LBP	Apartment	1/2 Bathroom	Room	Wall	Concrete	C	0	Negative	5/20/2025	18:46:30
138	Herc1 LBP	Apartment	1/2 Bathroom	Door	Jamb	Concrete	D	0	Negative	5/20/2025	18:46:58
139	Herc1 LBP	Apartment	1/2 Bathroom	Door	Casing	Metal	A	0.1	Negative	5/20/2025	18:47:30
140	Herc1 LBP	Common	Hallway	Room	Wall	Concrete	A	0	Negative	5/20/2025	18:48:10
141	Herc1 LBP	Common	Hallway	Room	Wall	Concrete	C	0	Negative	5/20/2025	18:48:32
142	Herc1 LBP	Common	Hallway	Room	Wall	Concrete	C	0.3	Negative	5/20/2025	18:48:50
143	Herc1 LBP	Common	Foyer	Room	Wall	Drywall	B	0.3	Negative	5/20/2025	18:49:25
144	Herc1 LBP	Common	Foyer	Room	Wall	Drywall	D	0.2	Negative	5/20/2025	18:49:44
145	Herc1 LBP	Common	Foyer	Radiator	Cover	Metal	D	0.1	Negative	5/20/2025	18:50:08
146	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	D	0	Negative	5/20/2025	18:52:04
147	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	A	0	Negative	5/20/2025	18:53:20
148	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	A	0	Negative	5/20/2025	18:53:39
149	Herc1 LBP	Common	Multi-Purpose Room	Door	---	Wood	A	0.3	Negative	5/20/2025	18:54:13
150	Herc1 LBP	Common	Multi-Purpose Room	Door	Casing	Wood	A	0	Negative	5/20/2025	18:54:32
151	Herc1 LBP	Common	Multi-Purpose Room	Door	Casing	Wood	A	0.4	Negative	5/20/2025	18:54:44
152	Herc1 LBP	Common	Multi-Purpose Room	Door	Outer Casing	Wood	A	0	Negative	5/20/2025	18:55:14
153	Herc1 LBP	Common	Multi-Purpose Room	Door	Jamb	Wood	A	0	Negative	5/20/2025	18:55:37
154	Herc1 LBP	Common	Multi-Purpose Room	Window	Sill	Wood	A	0	Negative	5/20/2025	18:56:07
155	Herc1 LBP	Common	Multi-Purpose Room	Window	Frame	Wood	A	0	Negative	5/20/2025	18:56:33
156	**Herc1 LBP**	**Common**	**Multi-Purpose Room**	**Window**	**Casing**	**Wood**	**A**	**1.4**	**Positive**	**5/20/2025**	**18:57:05**
157	Herc1 LBP	Common	Multi-Purpose Room	Window	Sash	Wood	A	0.8	Negative	5/20/2025	18:58:36
158	Herc1 LBP	Common	Multi-Purpose Room	Window	Sash	Wood	A	0.9	Negative	5/20/2025	18:59:08
159	**Herc1 LBP**	**Common**	**Multi-Purpose Room**	**Window**	**Sash**	**Wood**	**A**	**1.2**	**Positive**	**5/20/2025**	**18:59:38**
160	**Herc1 LBP**	**Common**	**Multi-Purpose Room**	**Window**	**Frame**	**Wood**	**A**	**1**	**Positive**	**5/20/2025**	**19:01:17**
161	Herc1 LBP	Common	Multi-Purpose Room	Window	Apron	Wood	A	0	Negative	5/20/2025	19:02:38
162	Herc1 LBP	Common	Multi-Purpose Room	Window	Frame	Wood	A	0.7	Negative	5/20/2025	19:03:05
163	Herc1 LBP	Common	Multi-Purpose Room	Window	Frame	Wood	A	0.8	Negative	5/20/2025	19:03:31
164	Herc1 LBP	Common	Multi-Purpose Room	Window	Sill	Wood	A	0.1	Negative	5/20/2025	19:04:06
165	**Herc1 LBP**	**Common**	**Multi-Purpose Room**	**Window**	**Casing**	**Wood**	**A**	**2**	**Positive**	**5/20/2025**	**19:04:37**
166	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	A	0	Negative	5/20/2025	19:05:06
167	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	B	0.1	Negative	5/20/2025	19:06:12
168	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	C	0	Negative	5/20/2025	19:06:45
169	Herc1 LBP	Common	Multi-Purpose Room	Radiator	Cover	Metal	A	0	Negative	5/20/2025	19:07:17
170	Herc1 LBP	Common	Multi-Purpose Room	Radiator	Cover	Metal	A	0	Negative	5/20/2025	19:07:31
171	Herc1 LBP	Common	Multi-Purpose Room	Closet	Wall	Drywall	B	0.1	Negative	5/20/2025	19:08:19
172	Herc1 LBP	Common	Multi-Purpose Room	Closet	Wall	Drywall	B	0.2	Negative	5/20/2025	19:08:31
173	Herc1 LBP	Common	Multi-Purpose Room	Closet	Door	Metal	D	0.1	Negative	5/20/2025	19:09:03
174	Herc1 LBP	Common	Multi-Purpose Room	Closet	Jamb	Metal	D	0.1	Negative	5/20/2025	19:09:23
175	Herc1 LBP	Common	Multi-Purpose Room	Closet	Jamb	Metal	D	0.1	Negative	5/20/2025	19:09:36
176	Herc1 LBP	Common	Multi-Purpose Room	Closet	Casing	Metal	D	0.1	Negative	5/20/2025	19:09:53
177	Herc1 LBP	Common	Multi-Purpose Room	Closet	Casing	Metal	D	0.1	Negative	5/20/2025	19:10:07
178	Herc1 LBP	Common	Multi-Purpose Room	Closet	Casing	Metal	D	0.1	Negative	5/20/2025	19:10:20
179	Herc1 LBP	Common	Multi-Purpose Room	Closet	Casing	Metal	D	0.1	Negative	5/20/2025	19:10:33
180	Herc1 LBP	Common	Multi-Purpose Room	Room	Wall	Drywall	D	0.1	Negative	5/20/2025	19:10:59
181	Herc1 LBP	Apartment	Boiler Room	Stair	Railing	Drywall	D	0.1	Negative	5/20/2025	19:13:29
182	Herc1 LBP	Apartment	Boiler Room	Stair	Risers	Concrete	D	0.3	Negative	5/20/2025	19:14:01
183	Herc1 LBP	Apartment	Boiler Room	Pipe	Vertical	Metal	C	0	Negative	5/20/2025	19:15:30
184	Herc1 LBP	Apartment	Boiler Room	Room	Wall	Concrete	A	0.1	Negative	5/20/2025	19:16:04
185	Herc1 LBP	Apartment	Boiler Room	Room	Wall	Concrete	B	0.2	Negative	5/20/2025	19:16:40
186	Herc1 LBP	Apartment	Boiler Room	Room	Wall	Concrete	C	0.2	Negative	5/20/2025	19:17:08
187	Herc1 LBP	Apartment	Boiler Room	Pipe	Horizontal	Metal	B	0.1	Negative	5/20/2025	19:17:45
188	Herc1 LBP	Apartment	Boiler Room	Stair	Wall	Concrete	B	0.2	Negative	5/20/2025	19:18:24
189	Herc1 LBP	Apartment	Boiler Room	Room	Wall	Concrete	D	0	Negative	5/20/2025	19:19:01
190	Herc1 LBP	Apartment	Boiler Room	HVAC		Metal	C	0.1	Negative	5/20/2025	19:20:48
191	Herc1 LBP	Apartment	2nd Flr Hallwall	Room	Wall	Drywall	D	0	Negative	5/20/2025	19:29:37
192	Herc1 LBP	Apartment	2nd Flr Hallwall	Room	Wall	Drywall	A	0.3	Negative	5/20/2025	19:30:21
193	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	19:32:14
194	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	A	0	Negative	5/20/2025	19:32:42
195	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	D	0	Negative	5/20/2025	19:33:04
196	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	C	0	Negative	5/20/2025	19:33:25
197	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	B	0.1	Negative	5/20/2025	19:33:45
198	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	B	0	Negative	5/20/2025	19:34:24
199	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	B	0.3	Negative	5/20/2025	19:34:51
200	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	C	0.1	Negative	5/20/2025	19:35:11
201	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	D	0.2	Negative	5/20/2025	19:35:29
202	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	A	0.1	Negative	5/20/2025	19:35:51
203	Herc1 LBP	Apartment	Kitchen 2	Door	Jamb	Metal	A	0.1	Negative	5/20/2025	19:36:28
204	Herc1 LBP	Apartment	Kitchen 2	Door	Casing	Metal	A	0.2	Negative	5/20/2025	19:38:06

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
	Herc1 LBP	Apartment	Calibration					0	Negative	5/20/2025	19:39:05
	Herc1 LBP	Apartment	Calibration					0.1	Negative	5/20/2025	19:39:18
	Herc1 LBP	Apartment	Calibration					0	Negative	5/20/2025	19:39:30
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/20/2025**	**19:39:44**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/20/2025**	**19:40:11**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/20/2025**	**19:49:50**
205	Herc1 LBP	Apartment	Kitchen 2	Door	Casing	Wood	A	0	Negative	5/20/2025	19:50:59
206	Herc1 LBP	Apartment	Kitchen 2	Pipe	Vertical	Metal	C	0.4	Negative	5/20/2025	19:51:28
207	Herc1 LBP	Apartment	Kitchen 2	Door	---	Wood	B	0	Negative	5/20/2025	19:52:18
208	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Wood	B	0.1	Negative	5/20/2025	19:52:42
209	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	C	0.1	Negative	5/20/2025	19:53:06
210	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	A	0.3	Negative	5/20/2025	19:53:29
211	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Wood	A	0	Negative	5/20/2025	19:53:56
212	Herc1 LBP	Apartment	Kitchen 2	Door	Jamb	Wood	B	0.1	Negative	5/20/2025	19:54:27
213	Herc1 LBP	Apartment	Kitchen 2	Door	Casing	Wood	B	0	Negative	5/20/2025	19:54:58
214	Herc1 LBP	Apartment	Kitchen 2	Door	Casing	Wood	B	0.1	Negative	5/20/2025	19:55:10
215	Herc1 LBP	Apartment	Kitchen 2	Door	---	Wood	B	0	Negative	5/20/2025	20:01:09
216	Herc1 LBP	Apartment	Kitchen 2	Door	---	Wood	B	0	Negative	5/20/2025	20:01:23
217	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Wood	B	0	Negative	5/20/2025	20:01:50
218	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Wood	B	0	Negative	5/20/2025	20:02:02
219	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Wood	B	0	Negative	5/20/2025	20:02:23
220	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0.1	Negative	5/20/2025	20:02:42
221	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Metal	D	0	Negative	5/20/2025	20:03:04
222	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	D	0	Negative	5/20/2025	20:04:11
223	Herc1 LBP	Apartment	Kitchen 2	Door	Jamb	Drywall	D	0.1	Negative	5/20/2025	20:04:34
224	Herc1 LBP	Apartment	Kitchen 2	Door	Casing	Drywall	D	0	Negative	5/20/2025	20:04:59
225	Herc1 LBP	Apartment	Kitchen 2	Door	Casing	Drywall	D	0.1	Negative	5/20/2025	20:05:15
226	Herc1 LBP	Apartment	Kitchen 2	Door	Header Trim	Drywall	D	0	Negative	5/20/2025	20:05:51
227	Herc1 LBP	Apartment	Kitchen 2	Door	Header	Drywall	D	0	Negative	5/20/2025	20:06:12
228	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Wood	D	0.1	Negative	5/20/2025	20:32:18
229	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Wood	D	0.9	Negative	5/20/2025	20:32:48
230	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Wood	D	0.3	Negative	5/20/2025	20:33:20
231	**Herc1 LBP**	**Apartment**	**Kitchen 2**	**Window**	**Sash**	**Wood**	**D**	**1.2**	**Positive**	**5/20/2025**	**20:33:44**
232	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Wood	D	0.7	Negative	5/20/2025	20:34:11
233	Herc1 LBP	Apartment	Kitchen 2	Window	Jamb	Wood	D	0.7	Negative	5/20/2025	20:35:19
234	Herc1 LBP	Apartment	Kitchen 2	Window	Frame	Wood	D	0.6	Negative	5/20/2025	20:36:01
235	Herc1 LBP	Apartment	Kitchen 2	Window	Frame	Wood	D	0.7	Negative	5/20/2025	20:37:34
236	**Herc1 LBP**	**Apartment**	**Kitchen 2**	**Window**	**Exterior Sash**	**Wood**	**D**	**1.3**	**Positive**	**5/20/2025**	**20:38:41**
237	**Herc1 LBP**	**Apartment**	**Kitchen 2**	**Window**	**Exterior Sash**	**Wood**	**D**	**1.8**	**Positive**	**5/20/2025**	**20:39:18**
238	**Herc1 LBP**	**Apartment**	**Kitchen 2**	**Window**	**Exterior Casing**	**Wood**	**D**	**1.7**	**Positive**	**5/20/2025**	**20:39:53**
239	**Herc1 LBP**	**Apartment**	**Kitchen 2**	**Window**	**Exterior Casing**	**Wood**	**D**	**1.9**	**Positive**	**5/20/2025**	**20:41:25**
240	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Drywall	B	0.1	Negative	5/20/2025	20:44:49
241	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Drywall	B	0.7	Negative	5/20/2025	20:45:55
242	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Drywall	B	0.8	Negative	5/20/2025	20:46:25
243	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Drywall	B	0.7	Negative	5/20/2025	20:46:57
244	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Drywall	B	0.2	Negative	5/20/2025	20:47:25
245	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0.3	Negative	5/20/2025	20:47:50
246	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0.6	Negative	5/20/2025	20:48:19
247	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0.9	Negative	5/20/2025	20:48:43
248	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0.4	Negative	5/20/2025	20:49:45
249	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0	Negative	5/20/2025	20:50:16
250	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Drywall	B	0	Negative	5/20/2025	20:50:32
251	Herc1 LBP	Apartment	Kitchen 2	Window	Exterior Sash	Drywall	B	0.7	Negative	5/20/2025	20:51:43
252	Herc1 LBP	Apartment	Kitchen 2	Window	Exterior Sash	Drywall	B	0.2	Negative	5/20/2025	20:52:22
253	Herc1 LBP	Apartment	Kitchen 2	Window	Exterior Sash	Drywall	B	0.2	Negative	5/20/2025	20:53:33
	Herc1 LBP	Common	Calibration					0	Negative	5/20/2025	20:56:52
	Herc1 LBP	Common	Calibration					0	Negative	5/20/2025	20:57:04
	Herc1 LBP	Common	Calibration					0	Negative	5/20/2025	20:57:16
	Herc1 LBP	**Common**	**Calibration**					**1.1**	**Positive**	**5/20/2025**	**20:57:29**
	Herc1 LBP	**Common**	**Calibration**					**1.1**	**Positive**	**5/20/2025**	**20:57:53**
	Herc1 LBP	**Common**	**Calibration**					**1.2**	**Positive**	**5/20/2025**	**20:58:16**
254	Herc1 LBP ywst	Exterior	House	Room	Wall	Concrete	B	0.2	Negative	5/21/2025	12:54:17
255	Herc1 LBP ywst	Exterior	House	Room	Wall	Concrete	B	0.2	Negative	5/21/2025	12:54:40
	Herc1 LBP	Apartment	Calibration					0	Negative	5/21/2025	13:11:24
	Herc1 LBP	Apartment	Calibration					0.1	Negative	5/21/2025	13:11:38
	Herc1 LBP	Apartment	Calibration					0	Negative	5/21/2025	13:11:54
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**13:12:09**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**13:12:32**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**13:12:56**
256	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Wood	D	0.1	Negative	5/21/2025	13:14:57

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
257	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Wood	D	0.8	Negative	5/21/2025	13:15:19
258	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Wood	D	0.9	Negative	5/21/2025	13:15:44
259	Herc1 LBP	Apartment	Kitchen 2	Window	Sash	Wood	D	0.8	Negative	5/21/2025	13:16:12
260	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Wood	D	0.8	Negative	5/21/2025	13:16:48
261	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Wood	D	0.6	Negative	5/21/2025	13:17:16
262	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Wood	D	0.5	Negative	5/21/2025	13:17:46
263	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Metal	A	0	Negative	5/21/2025	13:18:21
264	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Metal	A	0	Negative	5/21/2025	13:18:34
265	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Metal	A	0.1	Negative	5/21/2025	13:18:49
266	Herc1 LBP	Apartment	Kitchen 2	Window		Wood	A	0	Negative	5/21/2025	13:19:13
267	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Metal	D	0.2	Negative	5/21/2025	13:20:21
268	Herc1 LBP	Apartment	Kitchen 2	Window	Sill	Metal	D	0	Negative	5/21/2025	13:29:00
269	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Metal	D	0.1	Negative	5/21/2025	13:29:40
270	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Metal	D	0	Negative	5/21/2025	13:29:53
271	Herc1 LBP	Apartment	Kitchen 2	Window	Frame	Metal	D	0	Negative	5/21/2025	13:30:19
272	Herc1 LBP	Apartment	Kitchen 2	Window	Frame	Wood	B	0	Negative	5/21/2025	13:30:52
273	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Wood	B	0	Negative	5/21/2025	13:31:28
274	Herc1 LBP	Apartment	Kitchen 2	Window	Casing	Wood	B	0.1	Negative	5/21/2025	13:31:41
275	Herc1 LBP	Apartment	Kitchen 2	Cabinets	Door	Wood	B	0.4	Negative	5/21/2025	13:32:24
276	Herc1 LBP	Apartment	Kitchen 2	Cabinets	Door	Wood	B	0.1	Negative	5/21/2025	13:32:39
277	Herc1 LBP	Apartment	Kitchen 2	Room	Wall	Wood	B	0.5	Negative	5/21/2025	13:33:03
278	Herc1 LBP	Apartment	Mens Room	Room	Wall	Drywall	D	0	Negative	5/21/2025	13:34:19
279	Herc1 LBP	Apartment	Mens Room	Room	Wall	Drywall	A	0.1	Negative	5/21/2025	13:53:44
280	Herc1 LBP	Apartment	Mens Room	Room	Wall	Drywall	C	0.1	Negative	5/21/2025	13:54:11
281	Herc1 LBP	Apartment	Mens Room	Room	Wall	Drywall	B	0.1	Negative	5/21/2025	13:54:39
282	Herc1 LBP	Apartment	Mens Room	Room	Wall	Wood	B	0	Negative	5/21/2025	13:55:23
283	Herc1 LBP	Apartment	Mens Room	Door	---	Wood	C	0	Negative	5/21/2025	13:56:05
284	Herc1 LBP	Apartment	Mens Room	Door	Frame	Wood	C	0.1	Negative	5/21/2025	13:56:28
285	Herc1 LBP	Apartment	Mens Room	Cabinets	Shelf Support	Wood	C	0	Negative	5/21/2025	13:56:59
286	Herc1 LBP	Apartment	Mens Room	Closet	Wall	Drywall	A	0	Negative	5/21/2025	13:57:52
287	Herc1 LBP	Apartment	Mens Room	Closet	Wall	Drywall	D	0	Negative	5/21/2025	13:58:11
288	Herc1 LBP	Apartment	Mens Room	Closet	Wall	Drywall	C	0.1	Negative	5/21/2025	13:58:34
289	Herc1 LBP	Apartment	Mens Room	Closet	Wall	Drywall	B	0	Negative	5/21/2025	13:58:57
290	Herc1 LBP	Apartment	Mens Room	Closet	Garbage Chute	Metal	B	0.3	Negative	5/21/2025	13:59:37
291	Herc1 LBP	Apartment	Mens Room	Closet	Frame	Wood	B	0.3	Negative	5/21/2025	14:00:01
292	Herc1 LBP	Apartment	Mens Room	Closet	Garbage Chute	Wood	B	0	Negative	5/21/2025	14:00:29
293	Herc1 LBP	Apartment	Mens Room	Closet	Garbage Chute	Wood	B	0	Negative	5/21/2025	14:00:41
294	Herc1 LBP	Apartment	Mens Room	Closet	Shelf	Wood	B	0	Negative	5/21/2025	14:01:07
295	**Herc1 LBP**	**Apartment**	**Mens Room**	**Closet**	**Shelf**	**Wood**	**B**	**2.7**	**Positive**	**5/21/2025**	**14:01:21**
296	**Herc1 LBP**	**Apartment**	**Mens Room**	**Closet**	**Shelf**	**Wood**	**B**	**3.3**	**Positive**	**5/21/2025**	**14:01:39**
297	**Herc1 LBP**	**Apartment**	**Mens Room**	**Closet**	**Shelf**	**Metal**	**B**	**4**	**Positive**	**5/21/2025**	**14:02:59**
298	**Herc1 LBP**	**Apartment**	**Mens Room**	**Closet**	**Shelf**	**Metal**	**B**	**2.5**	**Positive**	**5/21/2025**	**14:03:13**
299	**Herc1 LBP**	**Apartment**	**Mens Room**	**Closet**	**Shelf Support**	**Metal**	**B**	**2.2**	**Positive**	**5/21/2025**	**14:03:36**
300	Herc1 LBP	Apartment	Mens Room	Closet	Shelf Support	Wood	C	0	Negative	5/21/2025	14:09:41
301	Herc1 LBP	Apartment	Mens Room	Closet	Shelf	Wood	C	0	Negative	5/21/2025	14:09:59
302	Herc1 LBP	Apartment	Mens Room	Closet	Door Stop	Metal	C	0.3	Negative	5/21/2025	14:11:28
303	Herc1 LBP	Apartment	Mens Room	Closet	Door	Metal	C	0	Negative	5/21/2025	14:11:59
304	Herc1 LBP	Apartment	Mens Room	Closet	Door	Metal	C	0.1	Negative	5/21/2025	14:12:13
305	Herc1 LBP	Apartment	Mens Room	Closet	Door	Metal	C	0	Negative	5/21/2025	14:12:25
306	Herc1 LBP	Apartment	Mens Room	Door	Jamb	Metal	C	0	Negative	5/21/2025	14:12:56
307	Herc1 LBP	Apartment	Womens Room	Room	Wall	Drywall	A	0	Negative	5/21/2025	14:15:54
308	Herc1 LBP	Apartment	Womens Room	Room	Wall	Drywall	C	0.2	Negative	5/21/2025	14:16:13
309	Herc1 LBP	Apartment	Womens Room	Door	Jamb	Metal	C	0	Negative	5/21/2025	14:16:40
310	Herc1 LBP	Apartment	Womens Room	Door	Jamb	Metal	C	0	Negative	5/21/2025	14:16:53
311	Herc1 LBP	Apartment	Womens Room	Door	Jamb	Metal	C	0	Negative	5/21/2025	14:17:11
312	Herc1 LBP	Apartment	Womens Room	Door	Jamb	Metal	C	0	Negative	5/21/2025	14:17:24
313	Herc1 LBP	Apartment	Womens Room	Door	---	Wood	A	0	Negative	5/21/2025	14:19:14
314	Herc1 LBP	Apartment	Womens Room	Door	Frame	Wood	A	0.2	Negative	5/21/2025	14:26:09
315	Herc1 LBP	Apartment	Womens Room	Radiator	Cover	Metal	B	0	Negative	5/21/2025	14:26:43
316	Herc1 LBP	Apartment	Womens Room	Room	Wall	Drywall	B	0	Negative	5/21/2025	14:27:15
317	Herc1 LBP	Apartment	Womens Room	Room	Wall	Drywall	C	0.2	Negative	5/21/2025	14:27:39
318	Herc1 LBP	Apartment	Womens Room	Shelf Support		Wood	C	0	Negative	5/21/2025	14:29:05
319	Herc1 LBP	Apartment	Womens Room	Room	Ceiling	Wood	C	0.1	Negative	5/21/2025	14:40:19
320	Herc1 LBP	Apartment	Bathroom	Room	Ceiling	Wood	C	0	Negative	5/21/2025	14:41:56
321	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	D	0	Negative	5/21/2025	14:42:29
322	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	C	0	Negative	5/21/2025	14:42:47
323	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	B	0	Negative	5/21/2025	14:43:06
324	Herc1 LBP	Apartment	Bathroom	Room	Wall	Drywall	A	0.1	Negative	5/21/2025	14:43:26
325	Herc1 LBP	Apartment	Bathroom	Room	Chair Rail	Drywall	A	0	Negative	5/21/2025	14:44:03
326	Herc1 LBP	Apartment	Bathroom	Door	Jamb	Drywall	A	0	Negative	5/21/2025	14:44:40

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
327	Herc1 LBP	Apartment	Bathroom	Door	Casing	Drywall	A	0	Negative	5/21/2025	14:44:58
328	Herc1 LBP	Apartment	Bathroom	Door	Casing	Drywall	A	0	Negative	5/21/2025	14:45:18
329	Herc1 LBP	Apartment	Bathroom	Door	---	Wood	A	0	Negative	5/21/2025	14:45:47
330	Herc1 LBP	Apartment	2nd Floor Hallway	Room	Wall	Drywall	B	0	Negative	5/21/2025	14:46:32
331	Herc1 LBP	Apartment	2nd Floor Hallway	Room	Wall	Drywall	A	0	Negative	5/21/2025	14:46:56
332	Herc1 LBP	Apartment	2nd Floor Hallway	Radiator	Cover	Metal	D	0.3	Negative	5/21/2025	14:47:35
333	Herc1 LBP	Apartment	Hallway 3	Door	Jamb	Metal	B	0	Negative	5/21/2025	14:49:18
334	Herc1 LBP	Apartment	Hallway 3	Door	Casing	Metal	B	0	Negative	5/21/2025	14:49:38
335	Herc1 LBP	Apartment	Hallway 3	Door	Casing	Metal	B	0.1	Negative	5/21/2025	14:49:52
336	Herc1 LBP	Apartment	Hallway 3	Room	Wall	Drywall	A	0	Negative	5/21/2025	14:50:22
337	Herc1 LBP	Apartment	Hallway 3	Room	Wall	Drywall	D	0	Negative	5/21/2025	14:50:45
338	Herc1 LBP	Apartment	Hallway 3	Room	Wall	Drywall	B	0	Negative	5/21/2025	14:51:06
339	Herc1 LBP	Apartment	Storage Room	Room	Wall	Drywall	C	0	Negative	5/21/2025	14:54:30
340	Herc1 LBP	Apartment	Storage Room	Room	Wall	Drywall	D	0	Negative	5/21/2025	14:54:57
341	Herc1 LBP	Apartment	Storage Room	Room	Wall	Drywall	A	0	Negative	5/21/2025	14:55:16
342	Herc1 LBP	Apartment	Storage Room	Room	Wall	Drywall	B	0	Negative	5/21/2025	14:55:35
343	Herc1 LBP	Apartment	Storage Room	Window	Sill	Wood	B	0.2	Negative	5/21/2025	14:56:15
344	Herc1 LBP	Apartment	Storage Room	Window	Sash	Wood	B	0.8	Negative	5/21/2025	14:56:38
345	Herc1 LBP	Apartment	Storage Room	Window	Sash	Wood	B	0.9	Negative	5/21/2025	14:57:05
346	**Herc1 LBP**	**Apartment**	**Storage Room**	**Window**	**Sash**	**Wood**	**B**	**1.2**	**Positive**	**5/21/2025**	**14:57:29**
347	Herc1 LBP	Apartment	Storage Room	Window	Casing	Wood	B	0.6	Negative	5/21/2025	14:58:02
348	Herc1 LBP	Apartment	Storage Room	Window	Casing	Wood	B	0.8	Negative	5/21/2025	14:58:25
349	**Herc1 LBP**	**Apartment**	**Storage Room**	**Window**	**Frame**	**Wood**	**B**	**1**	**Positive**	**5/21/2025**	**14:59:18**
350	Herc1 LBP	Apartment	Storage Room	Window	Casing	Wood	B	0.8	Negative	5/21/2025	14:59:53
351	**Herc1 LBP**	**Apartment**	**Storage Room**	**Window**	**Casing**	**Wood**	**B**	**1.3**	**Positive**	**5/21/2025**	**15:00:23**
352	**Herc1 LBP**	**Apartment**	**Storage Room**	**Window**	**Header**	**Wood**	**B**	**1.1**	**Positive**	**5/21/2025**	**15:04:54**
353	**Herc1 LBP**	**Apartment**	**Storage Room**	**Window**	**Exterior Casing**	**Wood**	**B**	**1.1**	**Positive**	**5/21/2025**	**15:05:40**
354	**Herc1 LBP**	**Apartment**	**Storage Room**	**Window**	**Exterior Casing**	**Wood**	**B**	**1.3**	**Positive**	**5/21/2025**	**15:07:19**
355	Herc1 LBP	Apartment	Storage Room	Radiator	Baseboard	Metal	B	0	Negative	5/21/2025	15:08:04
356	Herc1 LBP	Apartment	Storage Room	Radiator	Baseboard	Metal	B	0	Negative	5/21/2025	15:08:30
357	Herc1 LBP	Apartment	Storage Room	Cabinets	Door	Metal	D	0	Negative	5/21/2025	15:10:56
358	Herc1 LBP	Apartment	Storage Room	Cabinets	Frame	Metal	D	0	Negative	5/21/2025	15:11:17
359	Herc1 LBP	Apartment	Room 2	Window	Sill	Metal	D	0	Negative	5/21/2025	15:12:09
360	Herc1 LBP	Apartment	Room 2	Window	Sill	Wood	B	0.1	Negative	5/21/2025	15:13:12
361	**Herc1 LBP**	**Apartment**	**Room 2**	**Window**	**Frame**	**Wood**	**B**	**1**	**Positive**	**5/21/2025**	**15:13:37**
362	**Herc1 LBP**	**Apartment**	**Room 2**	**Window**	**Casing**	**Wood**	**B**	**1.1**	**Positive**	**5/21/2025**	**15:14:09**
363	**Herc1 LBP**	**Apartment**	**Room 2**	**Window**	**Sash**	**Wood**	**B**	**1.7**	**Positive**	**5/21/2025**	**15:14:46**
364	**Herc1 LBP**	**Apartment**	**Room 2**	**Window**	**Sash**	**Wood**	**B**	**1.2**	**Positive**	**5/21/2025**	**15:15:03**
365	Herc1 LBP	Apartment	Room 2	Window	Header	Wood	B	0.6	Negative	5/21/2025	15:15:45
366	**Herc1 LBP**	**Apartment**	**Room 2**	**Window**	**Header**	**Wood**	**B**	**1**	**Positive**	**5/21/2025**	**15:16:17**
367	Herc1 LBP	Apartment	Room 2	Room	Wall	Drywall	A	0	Negative	5/21/2025	15:17:42
368	Herc1 LBP	Apartment	Room 2	Room	Wall	Drywall	B	0	Negative	5/21/2025	15:18:02
369	Herc1 LBP	Apartment	Room 2	Room	Wall	Drywall	C	0.1	Negative	5/21/2025	15:18:22
370	Herc1 LBP	Apartment	Room 2	Room	Wall	Drywall	D	0	Negative	5/21/2025	15:18:40
371	Herc1 LBP	Apartment	Room 2	Radiator	Baseboard	Metal	B	0	Negative	5/21/2025	15:19:13
372	Herc1 LBP	Apartment	Room 2	Electric Panel	---	Metal	B	0.4	Negative	5/21/2025	15:19:50
373	Herc1 LBP	Apartment	Room 2	Door	Jamb	Metal	D	0	Negative	5/21/2025	15:20:31
374	Herc1 LBP	Apartment	Room 2	Door	Casing	Metal	D	0	Negative	5/21/2025	15:20:49
375	Herc1 LBP	Apartment	Room 2	Door	Casing	Metal	D	0	Negative	5/21/2025	15:21:01
376	Herc1 LBP	Apartment	Room 3	Door	Casing	Metal	D	0	Negative	5/21/2025	15:21:28
377	Herc1 LBP	Apartment	Room 3	Door	Casing	Metal	D	0	Negative	5/21/2025	15:21:40
378	Herc1 LBP	Apartment	Room 3	Door	Jamb	Metal	D	0	Negative	5/21/2025	15:22:04
379	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	D	0	Negative	5/21/2025	15:22:45
380	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	C	0.1	Negative	5/21/2025	15:23:05
381	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	B	0	Negative	5/21/2025	15:23:29
382	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	A	0.1	Negative	5/21/2025	15:23:55
383	Herc1 LBP	Apartment	Room 3	Window	Sill	Wood	B	0.1	Negative	5/21/2025	15:24:24
384	Herc1 LBP	Apartment	Room 3	Window	Frame	Wood	B	0.7	Negative	5/21/2025	15:24:52
385	**Herc1 LBP**	**Apartment**	**Room 3**	**Window**	**Header**	**Wood**	**B**	**1**	**Positive**	**5/21/2025**	**15:25:29**
	Herc1 LBP	Apartment	Calibration					0	Negative	5/21/2025	16:21:25
	Herc1 LBP	Apartment	Calibration					0.1	Negative	5/21/2025	16:21:39
	Herc1 LBP	Apartment	Calibration					0	Negative	5/21/2025	16:21:52
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**16:22:05**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**16:22:29**
	Herc1 LBP	Apartment	Calibration					0.1	Negative	5/21/2025	20:53:28
	Herc1 LBP	Apartment	Calibration					0.1	Negative	5/21/2025	20:53:40
	Herc1 LBP	Apartment	Calibration					0.1	Negative	5/21/2025	20:53:53
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**20:54:05**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**20:54:29**
	Herc1 LBP	**Apartment**	**Calibration**					**1.1**	**Positive**	**5/21/2025**	**20:55:01**

Reading	Job	Room Type	Room	Structure	Member	Substrate	Wall	Result (mg/cm^2)	Pos/Neg	Date	Time
386	Herc1 LBP	Apartment	Room 3	Door	Jamb	Metal	A	0	Negative	5/21/2025	20:57:23
387	Herc1 LBP	Apartment	Room 3	Door	Jamb	Metal	A	0.1	Negative	5/21/2025	20:57:36
388	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	A	0.1	Negative	5/21/2025	20:58:07
389	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	B	0.1	Negative	5/21/2025	20:58:30
390	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	C	0.1	Negative	5/21/2025	20:58:54
391	Herc1 LBP	Apartment	Room 3	Room	Wall	Drywall	D	0	Negative	5/21/2025	20:59:17
392	Herc1 LBP	Apartment	Room 4	Room	Wall	Drywall	D	0.1	Negative	5/21/2025	20:59:53
393	Herc1 LBP	Apartment	Room 4	Room	Wall	Drywall	B	0	Negative	5/21/2025	21:00:12
394	Herc1 LBP	Apartment	Room 4	Door	---	Wood	B	0	Negative	5/21/2025	21:00:45
395	Herc1 LBP	Apartment	Room 4	Door	Casing	Wood	B	0	Negative	5/21/2025	21:01:08
396	Herc1 LBP	Apartment	Room 4	Room	Wall	Drywall	A	0.1	Negative	5/21/2025	21:01:38
397	Herc1 LBP	Apartment	Room 4	Room	Wall	Drywall	C	0	Negative	5/21/2025	21:02:01
398	Herc1 LBP	Apartment	Room 5	Room	Wall	Drywall	C	0	Negative	5/21/2025	21:02:53
399	Herc1 LBP	Apartment	Room 5	Room	Wall	Drywall	B	0	Negative	5/21/2025	21:03:14
400	Herc1 LBP	Apartment	Room 5	Room	Wall	Drywall	C	0	Negative	5/21/2025	21:03:35
401	Herc1 LBP	Apartment	Room 5	Room	Wall	Drywall	D	0.1	Negative	5/21/2025	21:03:56
402	**Herc1 LBP**	**Exterior**	**House**	**Window**	**Header**	**Drywall**	**D**	**1.1**	**Positive**	**5/21/2025**	**21:10:34**
403	**Herc1 LBP**	**Exterior**	**House**	**Window**	**Header**	**Wood**	**D**	**1.3**	**Positive**	**5/21/2025**	**21:11:12**
404	Herc1 LBP	Exterior	House	Room	Wall	Concrete	D	0.2	Negative	5/21/2025	21:12:05
405	Herc1 LBP	Exterior	House	Room	Wall	Metal	A	0.4	Negative	5/21/2025	21:12:58
406	Herc1 LBP	Exterior	House	Room	Wall	Metal	D	0.2	Negative	5/21/2025	21:13:17
407	Herc1 LBP	Exterior	House	Window	Sill	Metal	D	0.2	Negative	5/21/2025	21:13:54
408	**Herc1 LBP**	**Exterior**	**House**	**Window**	**Frame**	**Metal**	**D**	**1.8**	**Positive**	**5/21/2025**	**21:14:21**
409	Herc1 LBP	Exterior	House	Window	Sash	Metal	D	0.6	Negative	5/21/2025	21:15:17
410	Herc1 LBP	Exterior	House	Window	Sash	Metal	D	0.5	Negative	5/21/2025	21:15:54
411	**Herc1 LBP**	**Exterior**	**House**	**Room**	**Wall**	**Wood**	**D**	**1.4**	**Positive**	**5/21/2025**	**21:17:25**
412	**Herc1 LBP**	**Exterior**	**House**	**Room**	**Wall**	**Wood**	**D**	**1.2**	**Positive**	**5/21/2025**	**21:17:47**
413	Herc1 LBP	Exterior	House	Window	Apron	Metal	D	0	Negative	5/21/2025	21:18:53
414	**Herc1 LBP**	**Exterior**	**House**	**Window**	**Frame**	**Metal**	**D**	**1.2**	**Positive**	**5/21/2025**	**21:19:27**
415	**Herc1 LBP**	**Exterior**	**House**	**Room**	**Wall**	**Metal**	**C**	**2.7**	**Positive**	**5/21/2025**	**21:20:26**
416	Herc1 LBP	Exterior	House	Room	Wall	Metal	D	0.1	Negative	5/21/2025	21:21:40
417	**Herc1 LBP**	**Exterior**	**House**	**Room**	**Wall**	**Wood**	**D**	**1.1**	**Positive**	**5/21/2025**	**21:22:02**
418	Herc1 LBP	Exterior	House	Window	Sash	Wood	D	0.7	Negative	5/21/2025	21:23:02
419	**Herc1 LBP**	**Exterior**	**House**	**Window**	**Frame**	**Wood**	**D**	**1.7**	**Positive**	**5/21/2025**	**21:23:36**
420	Herc1 LBP	Exterior	House	Electric Panel	---	Metal	D	0	Negative	5/21/2025	21:24:38
421	Herc1 LBP	Exterior	House	Room	Wall	Concrete	D	0.1	Negative	5/21/2025	21:25:08
422	Herc1 LBP	Exterior	House	Room	Wall	Concrete	A	0.2	Negative	5/21/2025	21:25:53
423	**Herc1 LBP**	**Exterior**	**House**	**Trim**		**Wood**	**A**	**1.5**	**Positive**	**5/21/2025**	**21:26:52**
424	Herc1 LBP	Exterior	Court Yard	Porch	---	Wood	C	0	Negative	5/21/2025	21:30:43
425	Herc1 LBP	Exterior	Court Yard	Porch	---	Wood	B	0	Negative	5/21/2025	21:31:16
426	Herc1 LBP	Exterior	House	Window	Sill	Metal	C	0.6	Negative	5/21/2025	21:32:02
427	Herc1 LBP	Exterior	House	Window	Sill	Metal	C	0.1	Negative	5/21/2025	21:36:18
428	**Herc1 LBP**	**Exterior**	**House**	**Window**	**Frame**	**Wood**	**C**	**2.6**	**Positive**	**5/21/2025**	**21:36:50**
429	Herc1 LBP	Exterior	House	Door	---	Wood	C	0.6	Negative	5/21/2025	21:37:53
430	Herc1 LBP	Exterior	House	Door	Frame	Wood	C	0.1	Negative	5/21/2025	21:38:19
431	Herc1 LBP	Exterior	House	Room	Wall	Wood	C	0	Negative	5/21/2025	21:38:43
432	Herc1 LBP	Exterior	House	Room	Wall	Metal	C	0.2	Negative	5/21/2025	21:39:01
433	**Herc1 LBP**	**Exterior**	**House**	**Room**	**Wall**	**Metal**	**D**	**1.2**	**Positive**	**5/21/2025**	**21:39:25**
434	Herc1 LBP	Exterior	House	Door	---	Metal	D	0	Negative	5/21/2025	21:40:43
435	**Herc1 LBP**	**Exterior**	**House**	**Door**	**Casing**	**Metal**	**D**	**1.3**	**Positive**	**5/21/2025**	**21:41:08**
436	Herc1 LBP	Exterior	House	Room		Metal	C	0.7	Negative	5/21/2025	21:42:12
437	Herc1 LBP	Exterior	House	Room		Metal	C	0.9	Negative	5/21/2025	21:42:41
438	Herc1 LBP	Exterior	Court Yard	Railing	N/A	Metal	C	0.1	Negative	5/21/2025	21:44:05
439	Herc1 LBP	Exterior	Court Yard	Railing	N/A	Metal	C	0	Negative	5/21/2025	21:44:27
440	Herc1 LBP	Exterior	House	Room	Wall	Metal	B	0.8	Negative	5/21/2025	21:45:23

Company	Viken Detection
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	1905
App Version	Pb200i-5.3.1

APPENDIX B
BGES' PERSONNEL CERTIFICATIONS

THE ASBESTOS INSTITUTE

Certifies that

Lisa Vitale

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

January 28, 2025

and successfully completed and passed the competency exam.

Certificate:
ON-188748-19662-012825

Date of Examination:
28-Jan-2025
Date of Expiration:
28-Jan-2026

A. Zwanenburg
Director

Approved Instructor

FL Course # CRS228

THE ASBESTOS INSTITUTE
20033 N. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

The person receiving this certificate has completed the requisite training for asbestos accreditation under TSCA Title II.

United States Environmental Protection Agency

This is to certify that

Lisa Vitale

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires December 01, 2027

LBP-I-I275520-1

Certification #

November 17, 2024

Issued On

Adrienne Priselac, Deputy Director

Land, Chemicals & Redevelopment Division

THE ASBESTOS INSTITUTE

Certifies that

Brian Braunstein

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

January 11, 2025

and successfully completed and passed the competency exam.

Certificate:
ON-188748-19654-011125

Date of Examination:
11-Jan-2025

Date of Expiration:
11-Jan-2026

A. Zwanenburg
Director

Approved Instructor

FL Course # CRS228

THE ASBESTOS INSTITUTE
20033 N. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

The person receiving this certificate has completed the requisite training for asbestos accreditation under TSCA Title II.

United States Environmental Protection Agency

This is to certify that

Brian R Braunstein

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires May 31, 2028

LBP-R-13453-4

Certification #

April 24, 2025

Issued On

Adrienne Priselac, Deputy Director

Land, Chemicals & Redevelopment Division

APPENDIX C
SITE PHOTOGRAPHS

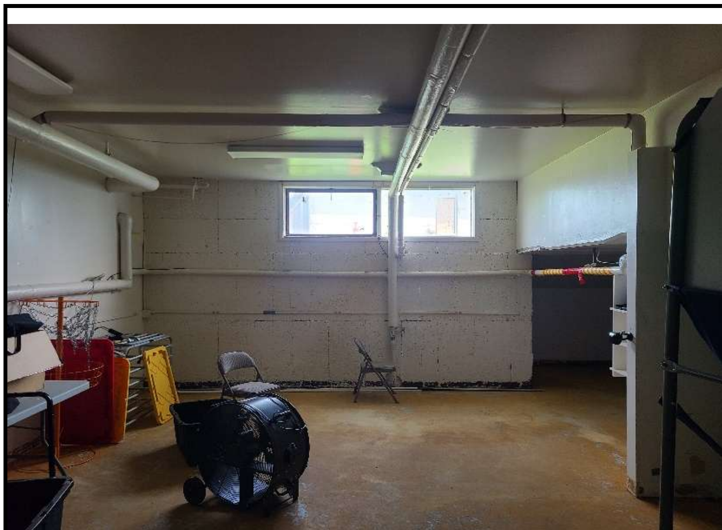


Photo 1. General View of Basement Room In HERC Bldg. 1.

Photo 2. Basement Window; Lead Readings #49-54.

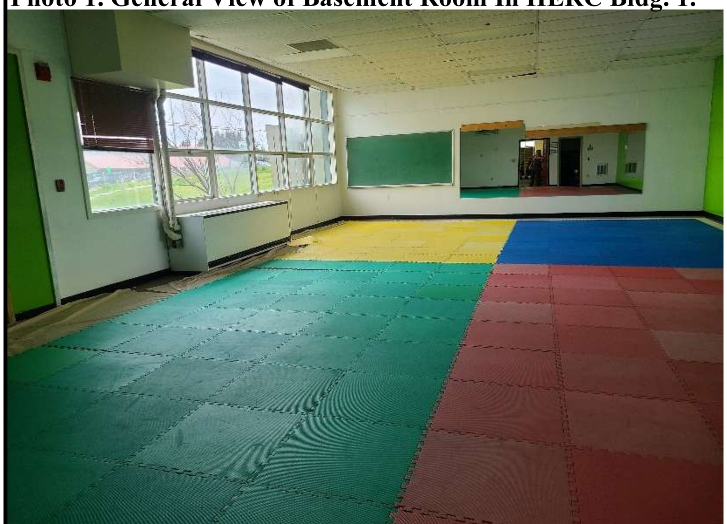


Photo 3. General View of Multi-Purpose Room.

Photo 4. Multi-Purpose Room Window; Lead Readings #156-165.

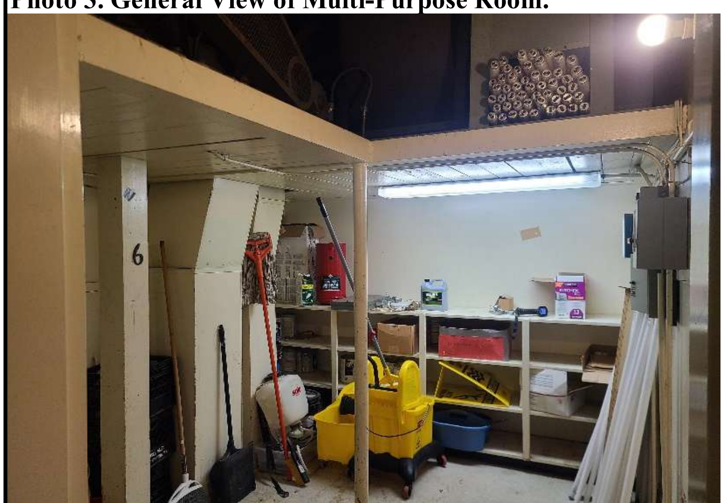


Photo 5. Men's Room Closet; Lead Readings #295-299.

Photo 6. HERC Bldg. 1 Storage Room; Lead Readings #346-354.

C

Homer HERC Buildings
Homer, Alaska
Site Photographs

BGES, INC.	September 2025	C–1

Photo 7. **LBP Reading #617; Building 1 Exterior.**

Photo 8. LBP Reading #620; Building 1 Exterior (Lookin S.W.).

Photo 9. LBP Reading #622; N.W. Corner of Bldg. 1 (Looking N.).

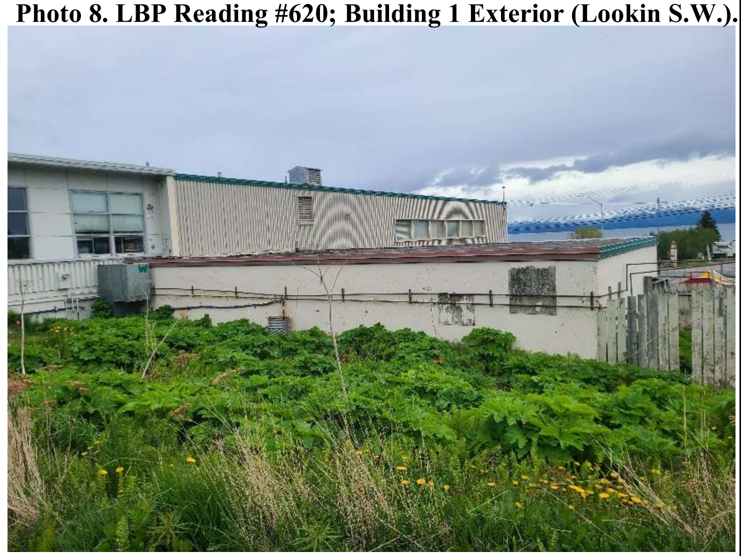


Photo 10. Building 1 Western Extension (Looking South).

Photo 11. LBP Reading #628; Western Extension (Looking W.).

Photo 12. LBP Reading #633; Western Extension Window.

Homer HERC Buildings
Homer, Alaska
Site Photographs

BGES, INC. ENVIRONMENTAL CONSULTANTS	**September 2025**	**C–2**

Photo 13. LBP Reading 638; W. Exterior Bldg. 1 (Looking S.).

Photo 14. LBP Reading #640; Building 1 S.W. Entrance.

Photo 15. LBP Reading #642; Bldg. 1 South Exterior Wall.