



March 2, 2023

Ms. Lisa Dunning  
Task Order Contracting Officer's Representative  
U.S. Environmental Protection Agency, Region 7  
11201 Renner Boulevard  
Lenexa, Kansas 66219

**Subject: Contract No. 68HERH19D0018; Task Order (TO) No. 68E0719F0190  
Goldfinch Mechanic Site  
Northwest Corner of Goldfinch Road and 130<sup>th</sup> Street, Horton, Brown County, Kansas  
Targeted Brownfields Assessment, Hazardous Materials Survey**

Dear Ms. Dunning:

Toeroek Associates, Inc. (Toeroek) and our teaming subcontractor, Tetra Tech, Inc. (Tetra Tech) (hereafter "Toeroek Team") are pleased to present the attached Hazardous Materials Survey of the Goldfinch Mechanic Site at the northwest corner of Goldfinch Road and 130<sup>th</sup> Street in Horton, Brown County, Kansas. This deliverable has been reviewed internally as part of Tetra Tech's quality assurance program, as well as Toeroek's quality assurance program, and is consistent with Toeroek's Quality Management Plan for the Resource Conservation and Recovery Act (RCRA) Enforcement and Permitting Assistance (REPA) contract. Documentation of this review is retained in the Toeroek Team's project files.

If you have any questions or comments, please contact Greg Hanna at 720-898-4102 or Kaitlyn Mitchell at 816-412-1742.

Sincerely,

Gregory J. Hanna  
Toeroek Team Program Manager

Kaitlyn Mitchell  
Toeroek Team Project Manager

Enclosure: Hazardous Materials Survey

cc: Leanna Balsley, EPA Region 7  
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**TARGETED BROWNFIELDS ASSESSMENT  
HAZARDOUS MATERIALS SURVEY**

**GOLDFINCH MECHANIC SITE  
NORTHWEST CORNER OF GOLDFINCH ROAD AND 130TH STREET  
HORTON, BROWN COUNTY, KANSAS**



**Prepared for**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 7**

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Subtask	:	12.05
EPA Region	:	7
Date Prepared	:	March 2, 2023
Contract No.	:	68HERH19D0018
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## 1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc., (hereafter “Toeroek Team”) with providing technical support to the EPA Region 7 Brownfields Program under Contract 68HERH19D0018, Task Order 68E0719F0190. EPA Region 7 requested the Toeroek Team conduct a Hazardous Materials Survey (Survey) as part of a Targeted Brownfields Assessment of the Goldfinch Mechanic Site (the Site).

The Site consists of a mechanic shop building and two sheds, all at the northwest corner of Goldfinch Road and 130<sup>th</sup> Street in Horton, Brown County, Kansas ([APPENDIX A, FIGURE 1](#)). According to a previous Phase I Environmental Site Assessment (ESA) performed by GSI Engineering, LLC (GSI), the mechanic shop building (Main Building) was constructed in 1960 and the utility shed (Southwest Corner Shed) was constructed in 1970 (GSI 2021). The second shed structure on the property (North Shed) is not listed in the GSI Phase I ESA report.

The scope of the Survey included an inspection of the structures for presence of asbestos-containing materials (ACM), polychlorinated biphenyls (PCBs) in caulk, and lead-based paint (LBP). Additionally, the Toeroek Team performed an inventory of containerized hazardous waste (HW) and other hazardous materials within the Site. The Toeroek Team also conducted a Phase II ESA, submitted under separate cover. [APPENDIX B](#) includes a photolog of observations made during the Survey.

The Toeroek Team conducted the Survey on January 4 and 5, 2023. The Toeroek Team’s Project Manager for the Survey was Ms. Kaitlyn Mitchell. Ms. Macy La Masney, Asbestos Hazard Emergency Response Act of 1986 (AHERA)-licensed Asbestos inspector, was the field team leader for the Survey. Stephen Knerr, State of Kansas-licensed Lead Inspector, completed the LBP survey. Inspector certifications are in [APPENDIX C](#). Because of limitations of destructive sampling methods, additional hazardous materials may be present within walls, voids, or other concealed areas. [Section 12](#) specifies assumptions and deviations regarding the Survey at the Site. Prior to any renovations or demolition of the structures, further building material characterization may be needed to comply with all local, state, and federal requirements regulating ACM, LBP, PCBs, or HW.

The purpose of the asbestos portion of the Survey was to evaluate the on-site structures for presence, quantity, locations, and condition of ACM that may require abatement prior to any development activities and in accordance with National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations as adopted by EPA. Because the structures were constructed before 1978, building materials may contain asbestos. The intent of the asbestos NESHAP regulations is to protect the public and workers

by minimizing release of asbestos fibers during activities involving processing, handling, and disposal of ACM. Inhalation of asbestos fibers can cause cancer and other lung diseases (Agency for Toxic Substances and Disease Registry [ATSDR] 2016). The Survey accorded with industry standard practice for hazardous building materials surveys. Collection of samples accorded with NESHAP regulations as adopted by EPA.

The Toeroek Team screened for presence, quantity, locations, and condition of LBP exceeding lead hazard levels, which would require Occupational Safety and Health Administration (OSHA) worker safety precautions during development activities. Because the structures were constructed before 1978, building surfaces may contain LBP. The LBP portion of the Survey proceeded according to protocols similar to the single-family housing inspection procedures in U.S. Department of Housing and Urban Development (HUD) guidelines (HUD 2012). The Toeroek Team screened paint-covered surfaces using an x-ray fluorescence (XRF) spectrometer.

Because the structures were constructed before 1979, PCBs may be present within the Site structures in caulk associated with windows, doors, and masonry columns. The Toeroek Team collected samples from caulk materials suspected to contain PCBs for laboratory analysis to determine presence, quantity, and locations of PCBs exceeding the EPA action level, which would require OSHA worker safety precautions during development of remodeling activities.

The Toeroek Team completed an inventory of HW and other hazardous materials within the Site buildings as part of the Survey. The inventory included; but was not limited to, the following types of materials: thermostats and fluorescent lamps possibly containing mercury, fluorescent lamp ballasts potentially containing PCBs, emergency lighting and exit signs that use batteries containing heavy metals, appliances containing refrigerants, product containers holding hazardous materials (for example, cleaning supplies or paints), and any other HW items that may have to be removed during renovation/demolition of the building.

The Toeroek Team submitted a site-specific Quality Assurance Project Plan (QAPP) in support of Survey activities to EPA on September 13, 2022; EPA approved the QAPP with comment via email on October 25, 2022 (Toeroek Team 2022). Field activities accorded with the QAPP, except where noted in [Section 12](#). The Toeroek Team prepared this Survey report according to generally accepted industrial hygiene practices and procedures. This Survey report does not cover or comment on areas not assessed either visibly or by sample collection. The data evaluation and assessment stated herein constitute a

professional opinion; no other warranty is expressed or implied. [Section 12](#) specifies assumptions and deviations regarding the Survey.

The Toeroek Team provided these services consistent with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions. This statement is in lieu of other statements either expressed or implied. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document, the findings, conclusions, or recommendations is at the risk of said user. This Survey report does not warrant against future operations or conditions that may not be consistent with its recommendations. Moreover, because of some limitations on destructive sampling during the Survey, completion of the Survey does not guarantee identification of all ACMs or PCBs—hazardous materials may be present in voids of walls or ceilings, or other concealed areas.

This Survey report consists of the following sections:

- [Section 2](#), Site Buildings, describes the on-site structures.
- [Section 3](#), ACM Field Survey and Analytical Protocols, specifies the field and analytical protocols for the ACM survey.
- [Section 4](#), LBP Screening and Analytical Protocols, specifies field and analytical protocols for the LBP screening.
- [Section 5](#), PCB Field Survey and Analytical Protocols, specifies field and analytical protocols for the PCB survey.
- [Section 6](#), Hazardous Waste and Other Hazardous Materials Inventory, specifies field protocols for the HW and hazardous materials inventory.
- [Section 7](#), ACM Findings, presents results of the ACM survey.
- [Section 8](#), LBP Findings, describes results of LBP screening.
- [Section 9](#), PCB Findings, conveys results of the PCB survey.
- [Section 10](#), Hazardous Waste and Other Hazardous Materials Findings, conveys results of the HW and hazardous waste inventory.
- [Section 11](#), Findings and Recommendations, offers recommendations based on Survey results.
- [Section 12](#), Assumptions and Deviations, specifies assumptions and deviations regarding the Survey of Site structures.
- [Section 13](#), References, lists sources referenced during development of this Survey report.

## **2.0 SITE BUILDINGS**

The on-site structures include a mechanic shop building (Main Building), a utility shed (Southwest Corner Shed), and one other shed (North Shed), all at the northwest corner of Goldfinch Road and 130<sup>th</sup> Street. In addition to the three buildings, remnants of three concrete foundations are located north of the Main Building at the former locations of grain silos.

The 2,500-square-foot Main Building is constructed of sheet metal, wood, and concrete. Interior finishes include sheet metal and plywood walls, concrete floors, and sheet metal or plywood ceilings.

The 1,925-square-foot Southwest Corner Shed is constructed of sheet metal and wood. Interior finishes include sheet metal walls and ceilings with wood support beams.

The 630-square-foot North Shed is constructed of sheet metal and wood. Interior finishes include sheet metal walls and ceilings with wood support beams. The roofs of all structures consist of sheet metal.



### 3.0 ACM FIELD SURVEY AND ANALYTICAL PROTOCOLS

The Toeroek Team made every effort to inspect all interior areas of the on-site structures. Minor demolition of materials (destructive sampling) was required during the Survey effort. The inspector took care to ensure that the Site remained unoccupied during sample collection. Collection of samples accorded with NESHAP, as adopted by EPA, and AHERA protocols. AHERA defines “asbestos-containing material” (ACM) as any material or product that contains more than 1 percent asbestos. Materials suspected to contain asbestos were grouped as homogeneous areas if the material was similar in appearance and texture; however, if the inspector decided a material (for example, wall texturing) was not similar in appearance and texture to other materials in the on-site structures, the inspector distinguished the material as unique and collected samples of each unique material accordingly. Because of limitations on destructive sampling methods, additional hazardous materials may be present in walls, voids, or other concealed areas. [Section 12](#) specifies assumptions and deviations regarding the Survey.

Bulk samples were collected to ensure that each distinct layer of material was represented in the sample. A wetting agent was applied to friable surfaces prior to sample collection to reduce potential for fiber release. All samples collected were placed in plastic bags, labeled, and sealed immediately upon collection. A unique sample identification number was assigned to each sample. To prevent cross-contamination between samples, the sampling instruments were wiped clean by use of a wet, lint-free cloth after collection of each sample.

The samples remained in the inspector’s custody until sent to the laboratory. Upon completion of sampling activities, the bulk samples were sent, along with the Toeroek Team’s chain-of-custody documentation, to Eurofins EMLab P&K Laboratories (Eurofins). Samples were analyzed per EPA Method 600/R-93/116 by Eurofins via polarized light microscopy (PLM) analysis. Samples determined by PLM analysis to contain less than 1 percent asbestos were analyzed via EPA Point Count 400 (EPA Method 600/R-93/116). Eurofins is a National Voluntary Laboratory Accreditation Program (NVLAP)-certified laboratory. [Section 7](#) of this Survey report summarizes ACM analytical results, which are listed in [TABLE 1](#). Sample locations are shown on [FIGURE 2](#) in APPENDIX A. APPENDIX D presents ACM analytical results and chain-of-custody forms for the bulk samples.

#### 4.0 LBP SCREENING AND ANALYTICAL PROTOCOLS

The Toeroek Team made every effort to inspect all areas of the on-site structures. HUD (*Guidelines for the Evaluation and Control of LBP in Housing* [2012]) (HUD Guidelines) suggests that paint applied before 1978 could contain lead.

An XRF screening of paint suspected to contain lead proceeded according to protocols similar to the single-family housing inspection procedures in the HUD Guidelines. The Toeroek Team utilized a Thermo Niton XL3t XRF analyzer to perform the LBP screening. Thermo Niton XL3t is an XRF spectrum analyzing system for quantitative measurement of lead in paint on various substrates. The Toeroek Team performed XRF screening of painted surfaces with potential to be impacted during renovation or demolition activities.

The Toeroek Team utilized the XRF “Lead Paint Mode” for testing, standardized per the equipment instruction manual, and programmed the unit with an action level of 1.0 milligram per square centimeter ( $\text{mg}/\text{cm}^2$ ). Paint containing greater than or equal to  $1.0 \text{ mg}/\text{cm}^2$  lead by XRF testing or  $1.0 \text{ mg}/\text{cm}^2$  lead by laboratory analysis is considered LBP.

The Toeroek Team performed XRF calibration checks on the Thermo Niton XL3t spectrometer according to recommended protocol by the manufacturer and HUD Guidelines. These quality control readings were referenced to monitor performance of the Thermo Niton XL3t spectrometer. Calibration-check readings were taken at the beginning and end of operation from a Standard Reference Material (SRM) paint film, developed by the National Institute of Standards and Technology (NIST). [Section 8](#) of this Survey report summarizes results from XRF screening of painted surfaces at the Site. [TABLE 2](#) provides XRF screening results.

## 5.0 PCB FIELD SURVEY AND ANALYTICAL PROTOCOLS

The Toeroek Team made every effort to inspect all areas of the on-site structures. Minor demolition of materials (destructive sampling) was required during the Survey effort. The inspector took care to ensure the areas remained unoccupied during sample collection. Samples of caulk possibly containing PCBs were collected following EPA guidance. EPA has set an action level of 50 parts per million (ppm) for PCBs in materials, which was the benchmark used for the Survey (EPA 2022). Caulk suspected to contain PCBs were grouped as homogeneous areas if the material was similar in appearance and texture; however, if the inspector decided a material was not similar in appearance and texture to other materials in the on-site structures, or a material was associated with a different building construction date, the inspector distinguished the material as unique and collected samples of each unique material accordingly. [Section 12](#) specifies assumptions and deviations regarding the Survey.

Bulk samples were collected to ensure only caulk materials suspected to contain PCBs were represented in the sample. A wetting agent was applied to the material prior to sample collection to reduce potential for particulate release. All samples collected were placed in plastic bags, labeled, and sealed immediately upon collection. A unique sample identification number was assigned to each sample to prevent cross-contamination between samples, and sampling instruments were wiped clean by use of a wet, lint-free cloth after collection of each sample.

The samples remained in the inspector's custody until sent to the laboratory. Upon completion of sampling activities, the bulk samples were sent, along with the Toeroek Team's chain-of-custody documentation, to Pace Analytical (Pace) laboratory in Lenexa, Kansas. Bulk samples were analyzed via EPA Method 8082. [Section 9](#) summarizes analytical results from these samples, which are listed in [TABLE 3](#). Sample locations are shown on [FIGURE 2](#) in APPENDIX A. [APPENDIX E](#) includes PCB analytical results and chain-of-custody forms for those bulk samples.

## **6.0 HAZARDOUS WASTE AND OTHER HAZARDOUS MATERIALS INVENTORY**

The Toeroek Team completed an inventory of HW and other potentially hazardous materials in the subject property buildings. This inventory included, but was not limited to, the following types of materials: thermostats and fluorescent lamps possibly containing mercury, fluorescent lamp ballasts potentially containing PCBs, emergency lighting and exit signs that use batteries containing heavy metals, appliances containing refrigerant, product containers holding hazardous materials, and any other HW items that may have been present.

The Toeroek Team used an inventory field sheet and went through all Site buildings identifying, categorizing, and quantifying HW and hazardous materials. The Toeroek Team made every effort to provide a complete inventory of these items; however, the Toeroek Team cannot guarantee an accounting of every item. Items at the subject property that would not be affected during any renovation activities (for example, pole-mounted transformers that may contain PCBs) were not included in the inventory. Notably, the assessment team walked the perimeter of the subject property buildings to identify any drums or other large containers that may contain HW. A summary of HW and other hazardous materials inventoried during the Survey is in [Section 10](#) of this Survey report.

## 7.0 ACM FINDINGS

PLM results from samples analyzed for asbestos are in the laboratory report in APPENDIX D and summarized in [TABLE 1](#). Bolded results in [TABLE 1](#) indicate where asbestos was detected at concentration greater than 1 percent. Sample locations are shown on [FIGURE 2](#) in APPENDIX A.

**TABLE 1**

**SUMMARY OF RESULTS FROM LABORATORY ANALYSIS FOR SUSPECTED ACM  
GOLDFINCH MECHANIC SITE, HORTON, KANSAS**

Figure Key	Sample ID	Material Description	Material Locations	Friable/Non-Friable	Analytical Result (% ACM)	Quantity**
<b>1</b>	<b>GFM-CLK-01</b>	<b>Black Caulk</b>	<b>Main Building – exterior walls (north and south)</b>	<b>NF</b>	<b>5% Chrysotile</b>	<b>5 LF</b>
<b>2</b>	<b>GFM-CLK-02*</b>					
<b>3</b>	<b>GFM-CLK-03*</b>					
4	GFM-CLK2-01	White Caulk	Main Building – around boarded-up windows and in nail holes	NF	ND	NA
5	GFM-CLK2-02					
6	GFM-CLK2-03					
7	GFM-CLK3-01	White Caulk	Main Building – under location GFM-CLK2 and around boarded-up windows	NF	ND	NA
8	GFM-CLK3-02					
9	GFM-CLK3-03					
<b>10</b>	<b>GFM-BS-01</b>	<b>Black Sealant/Tar</b>	<b>Grain Silo Bases 1 and 3</b>	<b>NF</b>	<b>4% Chrysotile</b>	<b>100 LF</b>
<b>11</b>	<b>GFM-BS-02*</b>					
<b>12</b>	<b>GFM-BS-03*</b>					
<b>13</b>	<b>GFM-SS-01</b>	<b>Silver Sealant</b>	<b>Grain Silo Base 2</b>	<b>NF</b>	<b>2% Chrysotile</b>	<b>50 LF</b>
<b>14</b>	<b>GFM-SS-02*</b>					
<b>15</b>	<b>GFM-SS-03*</b>					

Notes:

**Bolded** result indicates detection of ACM.

Color description of a material may vary between field observation and laboratory description.

\* Sample not analyzed due to prior ACM positive results.

\*\* Quantities for non-ACM materials are not required.

ACM	Asbestos-containing material
ID	Identification
LF	Linear feet
NA	Not applicable
ND	Not detected
NF	Non-friable

## 8.0 LBP FINDINGS

[TABLE 2](#) summarizes screening results for paint suspected to contain lead.

**TABLE 2**  
**SUMMARY OF LBP SCREENING RESULTS**  
**GOLDFINCH MECHANIC SITE, HORTON, KANSAS**

XRF Screening No.	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm <sup>2</sup> )	Damaged	Quantity*
<b>Main Building</b>							
Calibration Blank					0.01/0.01/0.01	NA	NA
Calibration Standard					1.32/1.06/0.95	NA	NA
1	Grey	Interior	I-Beam	Metal	0.17	NA	NA
2	White	Interior	Ceiling Panel	Metal	0.09	NA	NA
3	Blue	Interior	Cabinet	Metal	0.01	NA	NA
4	Grey	Exterior	Cabinet	Metal	0.01	NA	NA
5	White	Exterior	Exterior Door	Metal	0.01	NA	NA
6	White	Exterior	Exterior Door Frame	Metal	0.01	NA	NA
7	White	Exterior	Siding	Metal	0.01	NA	NA
8	Green	Exterior	Siding	Metal	0.04	NA	NA
Calibration Blank					0.01/0.01/0.01	NA	NA
Calibration Standard					1.43/1.21/1.28	NA	NA
<b>Southwest Corner Shed</b>							
Calibration Blank					0.01/0.01/0.01	NA	NA
Calibration Standard					0.98/1.07/1.07	NA	NA
1	White	Interior	Wall	Metal	0.18	NA	NA
2	White	Exterior	Wall	Metal	0.09	NA	NA
3	Green	Exterior	Wall	Metal	0.16	NA	NA
Calibration Blank					0.01/0.01/0.01	NA	NA
Calibration Standard					1.07/1.02/0.99	NA	NA

Notes:

No painted surfaces were observed on the exterior or interior of the North Shed.

\* Quantities of non-LBP are not required.

Mg/cm<sup>2</sup>    Milligrams per square centimeter  
LBP        Lead-based paint  
NA        Not applicable  
No.        Number  
XRF        X-ray fluorescence

## 9.0 PCB FINDINGS

The laboratory report in [APPENDIX E](#) conveys analytical results from bulk samples of caulk suspected to contain PCBs<sup>1</sup>. [TABLE 3](#) below summarizes the results. Sample locations are shown on [FIGURE 2](#) in APPENDIX A.

**TABLE 3**  
**SUMMARY OF PCB FINDINGS**  
**GOLDFINCH MECHANIC SITE, NW CORNER OF GOLDFINCH ROAD AND 130<sup>TH</sup> STREET,**  
**HORTON, KANSAS**

Figure Key	Sample ID	Material Description	Material Locations	Analytical Result (ppm)	Quantity
1	GFM-CLK-01	Black Caulk	Main Building – exterior walls	ND	NA
2	GFM-CLK2-01	White Caulk	Main Building – around boarded-up windows and in nail holes	ND	NA
3	GFM-CLK3-01	White Caulk	Main Building – under sample GFM-CLK2-01 and around boarded-up windows	ND	NA

Notes:

ID Identification  
NA Not applicable  
ND Not detected  
PCB Polychlorinated biphenyl  
ppm Parts per million

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<sup>1</sup> The PCB in caulk analytical results are combined with the Phase II ESA soil sample results included in the Phase II ESA report (under separate cover). PCBs in caulk analytical results are on pages 8 through 10 of the analytical results file.

## **10.0 HAZARDOUS WASTE AND OTHER HAZARDOUS MATERIALS FINDINGS**

The Toeroek Team identified three light fixtures likely containing fluorescent bulbs inside the Main Building, as well as one refrigerator, one air conditioning unit, and various automobile repair materials including; but not limited to, radiators, tires, and welding tanks. No other HW or hazardous materials were identified in the Site buildings during the Survey.



## **11.0 FINDINGS AND RECOMMENDATIONS**

The following findings and recommendations are based on observations during the Survey and analytical results from samples collected from on-site structures:

### **11.1 ACM**

Regulated ACM was identified in black caulk (approximately 5 linear feet [LF]) on the exterior of the Main Building; in black sealant (approximately 100 LF) on Grain Silo Bases 1 and 3; and in silver sealant (approximately 50 LF) on Grain Silo Base 2. All regulated ACM should be removed by a licensed asbestos abatement contractor before demolition work disturbs the material. The removed waste must be transported to a disposal site approved to accept non-friable ACM. If any structures at the Site are to be renovated, the above ACM materials are not to be disturbed and may remain in place.

### **11.2 LBP**

No LBP was identified by XRF screening of building materials. HUD considers LBP as paint with lead levels greater than or equal to 1.0 mg/cm<sup>2</sup>.

### **11.3 PCB**

No sampled building materials containing concentrations of PCBs exceeding 50 ppm were identified by laboratory analysis of samples collected from structures at the Site.

### **11.4 HW AND HAZARDOUS MATERIALS**

The Toeroek Team observed three light fixtures likely containing fluorescent bulbs inside the Main building, as well as one refrigerator, one air conditioning unit, and various auto repair materials including; but not limited to, radiators, tires, and welding tanks. No other HW or hazardous materials were identified in the Site buildings during the inspection. The Toeroek Team recommends proper disposal of the materials based on their characteristics prior to any renovation or demolition activities at the Main Building.

## **12.0    ASSUMPTIONS AND DEVIATIONS**

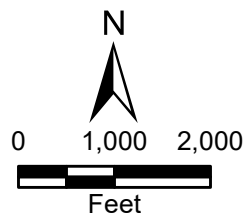
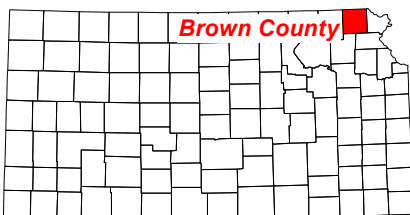
The Toeroek Team inspected interiors and exteriors of the on-site structures for suspected ACM, LBP, and PCB-containing caulk. Because of limitations on destructive sampling methods, additional hazardous building materials may be present but not detected in walls, voids, or other inaccessible areas. All other areas of the structures were inspected. The Toeroek Team made every effort to provide a complete inventory of HW items; however, given the large size of the Site and the disorderly distribution of HW materials inside the on-site structures, the Toeroek Team cannot guarantee an accounting of every item.

### 13.0 REFERENCES

- Agency for Toxic Substance and Disease Registry (ATSDR). 2016. Asbestos: Health Effects. Accessed January 16, 2023. [https://www.atsdr.cdc.gov/asbestos/health\\_effects\\_asbestos.html](https://www.atsdr.cdc.gov/asbestos/health_effects_asbestos.html)
- GSI Engineering, LLC. (GSI). 2021. Phase I Environmental Site Assessment. Goldfinch Mechanic BTA. NW Corner of Goldfinch Road & 130<sup>th</sup> Street, Brown County, Horton, Kansas. February 4.
- Toeroek Associates, Inc. and Tetra Tech, Inc. (Toeroek Team). 2022. Quality Assurance Project Plan, Phase II Environmental Site Assessment, Goldfinch Mechanic Site, NW Corner of Goldfinch Road and 130<sup>th</sup> Street, Horton, Brown County, Kansas. September 13.
- U.S. Department of Housing and Urban Development (HUD). 2012. *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.
- U.S. Environmental Protection Agency (EPA). 2022. How to Test for PCBs and Characterize Suspect Materials. Accessed February 1, 2023. <https://www.epa.gov/pcbs/how-test-pcbs-and-characterize-suspect-materials>

## **APPENDIX A**

### **FIGURES**



Goldfinch Mechanic Site  
Northwest Corner of Goldfinch Road and 130<sup>th</sup> Street  
Horton, Kansas

**Figure 1**  
Site Location Map

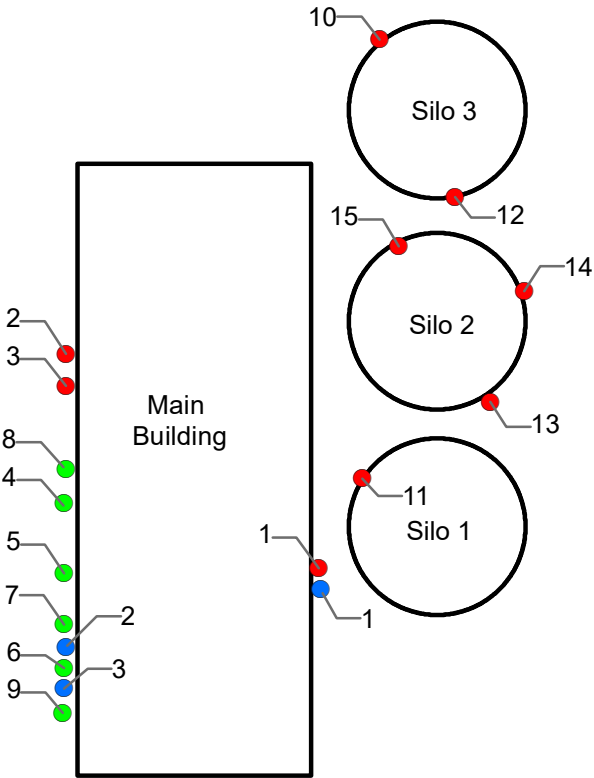




Southwest Corner Shed

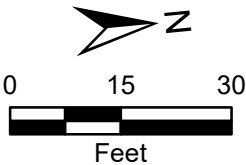
Sample Key Table

Key	Sample No.
Asbestos	
1	GFM-CLK-01
2	GFM-CLK-02
3	GFM-CLK-03
4	GFM-CLK2-01
5	GFM-CLK2-02
6	GFM-CLK2-03
7	GFM-CLK3-01
8	GFM-CLK3-02
9	GFM-CLK3-03
10	GFM-BS-01
11	GFM-BS-02
12	GFM-BS-03
13	GFM-SS-01
14	GFM-SS-02
15	GFM-SS-03
PCB	
1	GFM-CLK-01
2	GFM-CLK2-01
3	GFM-CLK3-01



North  
Shed

- Legend
- Asbestos-Containing Material Sample Location
  - Non-Asbestos-Containing Material Sample Location
  - Non-Polychlorinated-Biphenyl-Containing Material Sample Location



Goldfinch Mechanic Site  
Northwest Corner of Goldfinch Road and 130th Street  
Horton, Kansas

Figure 2  
Sample Location Map



## **APPENDIX B**

### **PHOTOGRAPHIC DOCUMENTATION LOG**

**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the Main Building.	1
	CLIENT	U.S. Environmental Protection Agency (EPA)	
Direction: Southwest	PHOTOGRAPHER	Macy La Masney	Date: 1/4/23



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows asbestos-containing black caulk (GFM-CLK-01, -02, -03) on the exterior of the Main Building.	2
	CLIENT	EPA	
Direction: South	PHOTOGRAPHER	Macy La Masney	Date: 1/4/23



**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows white caulk (GFM-CLK2-01, -02, -03) around the boarded-up windows and in nail holes on the exterior of the Main Building.	3
	CLIENT	EPA	
Direction: North	PHOTOGRAPHER	Macy La Masney	Date: 1/4/23



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows white caulk (GFM-CLK3-01, -02, -03) under the white caulk identified by sample numbers, GFM-CLK2-01, -02, -03 around the boarded-up windows on the Main Building.	4
	CLIENT	EPA	
Direction: North	PHOTOGRAPHER	Macy La Masney	Date: 1/4/23



**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows asbestos-containing black sealant on Grain Silo Base 1. This material was also found on Grain Silo Base 3	5
	CLIENT	EPA	
Direction: Northeast	PHOTOGRAPHER	Macy La Masney	Date: 1/4/23



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows asbestos-containing silver sealant (GFM-SS-01, -02, -03) on Grain Silo Base 2.	6
	CLIENT	EPA	
Direction: Southwest	PHOTOGRAPHER	Macy La Masney	Date: 1/4/23



**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**

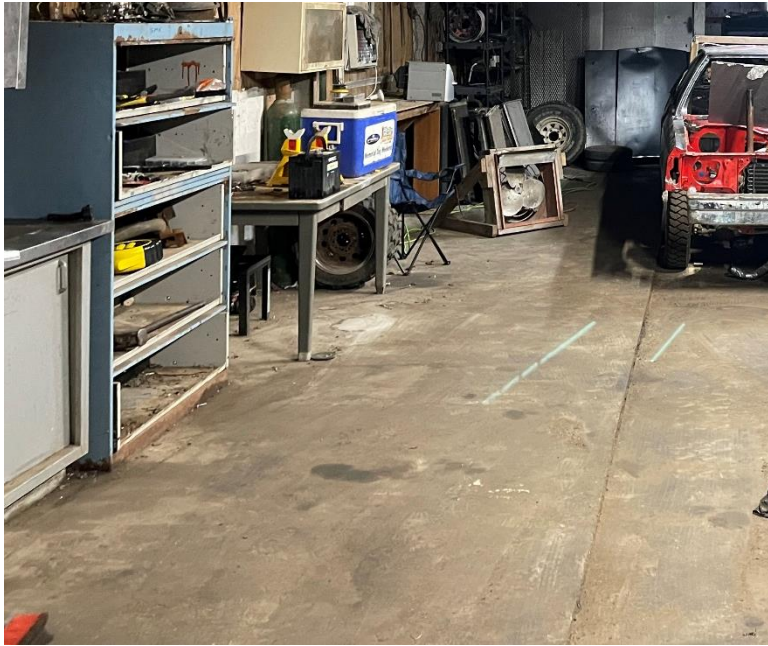


SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the grey metal I-beam in the Main Building.	7
	CLIENT	U.S. Environmental Protection Agency (EPA)	
Direction: Northwest	PHOTOGRAPHER	Stephen Knerr	Date: 1/5/23

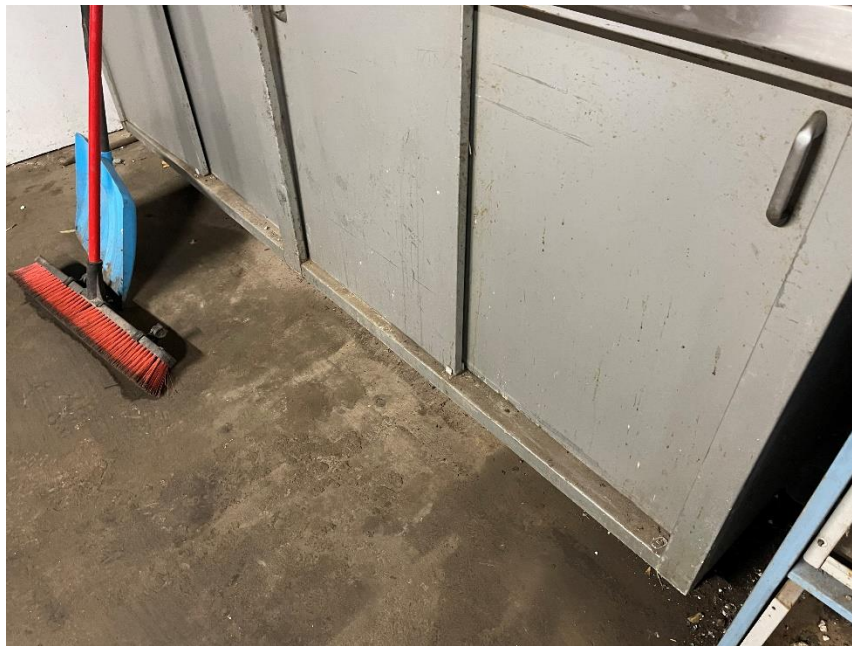


SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the white metal ceiling panel in the Main Building.	8
	CLIENT	EPA	
Direction: North	PHOTOGRAPHER	Stephen Knerr	Date: 1/5/23

**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the blue metal cabinet in the Main Building.	9
	CLIENT	EPA	Date: 1/5/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the grey metal cabinet in the Main Building.	10
	CLIENT	EPA	Date: 1/5/23
Direction: Southeast	PHOTOGRAPHER	Stephen Knerr	



**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the white metal exterior door (significantly rusted) and white metal door frame on the Main Building.	11
	CLIENT	EPA	Date: 1/4/23
Direction: Northwest	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows white and green metal siding on the exterior of the Main Building.	12
	CLIENT	EPA	Date: 1/4/23
Direction: South	PHOTOGRAPHER	Macy La Masney	



**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the white metal interior of the Southwest Corner Shed.	13
	CLIENT	EPA	Date: 1/5/23
Direction: Northwest	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the white and green metal siding on the exterior of the Southwest Corner Shed.	14
	CLIENT	EPA	Date: 1/5/23
Direction: South	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Materials Survey  
Photographic Documentation Log  
Goldfinch Mechanic Site, Horton, Kansas**



SUBTASK NO. 012.05	DESCRIPTION	This photograph shows the North Shed, which did not have any painted surfaces or suspected asbestos-containing materials.	15
	CLIENT	EPA	
Direction: South	PHOTOGRAPHER	Stephen Knerr	Date: 1/5/23

**APPENDIX C**  
**INSPECTOR CERTIFICATIONS**



EXPIRATION: August 25, 2023  
COURSE DATE: August 23-25, 2022

CERTIFICATE NUMBER: 7ACT082522II858

# Asbestos Consulting Testing (ACT)

14953 W. 101<sup>st</sup> Terrace, Lenexa, Kansas 66215  
(913) 492-1337

**Macy LaMasney**

has successfully completed a course in and passed the final written examination  
and the **Missouri Asbestos Examination** with a score of at least 70% for:

EPA & MISSOURI APPROVED  
**AHERA Asbestos Inspector Initial Training**

EPA/AHERA, and State of Missouri Accreditation for Inspector training  
Under 40 CFR Part 763, Subpart E, Appendix C, Section 206 of the  
Toxic Substances Control Act (TSCA Title II), 15 U.S.C. 2646.

Missouri Training Provider: MO 00-01-001



  
George S. McDowell - Instructor

# **Kansas Department of Health and Environment State of Kansas**

Expires on February 20, 2025

Be it known, that having filed an application with the  
Kansas Department of Health and Environment,

**STEPHEN KNERR**

is hereby certified as a

**RISK ASSESSOR**

Issued on February 20, 2023

**Name**

**STEPHEN KNERR**

**Certification Number**

**KS19-14294**

**Secretary of the Kansas Department of Health and Environment**

**Janet Stanek**

## **APPENDIX D**

### **ACM ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS**

New Jersey: 3000 Lincoln Drive East, Suite A, Merton, NJ 08053 • (866) 871-1984  
Phoenix, AZ: 1501 West Khudsen Drive, Phoenix, AZ 85027 • (800) 851-4802  
SSP, CA: 6300 Shoreline Court, Suite 205, South San Francisco, CA 94080 • (866) 888-6653



ASBESTOS

003127381

REQUESTED SERVICES (Check Boxes below)

PCM Air	PLM										Rock & Soil	Other Requests
	Bulk											
Fiber Count (NIOSH 7400)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OSHA with TWA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Asbestos Bulk PLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EPA Point Count (200 Point Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPA Point Count (400 Point Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPA Point Count (1000 Point Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gravimetric Point Count (400 Pt Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gravimetric Point Count (1000 Pt Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CARB 435 Method (400 Point Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CARB 435 Method (1000 Point Count)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lead Analysis - Flame AA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak St, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	103665410190.12.03		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	Goldfinch Mechanic Site		ND - Next Business Day		
Project Zip Code:	666439	Sampling Date & Time:	1/4/23 1030		
PD Number:		Sampled By:	M. Lamasney		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
666439-01	Black Caustic	B	STD		STOP 1st Positive
666439-02					
666439-03					
666439-04	White Caustic				
666439-05					
666439-06					
666439-07	White Caustic				
666439-08					
666439-09					
666439-10	Black Sealant				
666439-11					

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	Magg Lamasney	1/6/23 1000	J. Quiles	1/9/23
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				
					10:00

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Asbestos CDC, Doc # EM-CSP-8557, Rev 13, Revised 11/15/19, Page 1 of 1



003127381

CHAIN OF CUSTODY  
www.EMLabPK.com



EMLab P&amp;K

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (856) 871-1984  
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (602) 851-4802  
San Francisco, CA: 6000 Shoreline Court, Suite 206, South San Francisco, CA 94063 \* (650) 886-6653

## ASBESTOS A

## REQUESTED SERVICES (Check boxes below)

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak St., Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	103665210190.12.03		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Goldfinch Mechanic Site		ND - Next Business Day		
Project Zip Code:	660439	Sampling Date & Time:	1/4/23 1030		
PD Number:		Sampled By:	M. Lamasney		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
GFM-BS-25	Black Sealant	B	STD		STOP 1st positive
-SS-01	Silver Sealant				
-02					
-03					
mt. 1/4/23					

PCM Air	PLM						Rock & Soil	Other Requests		
	Bulk									
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk: PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400-PI Count)	Gravimetric Point Count (1000 PI Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysts - Flame AA
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	Macy La Masney	1/4/23 1200	J. Quiles	1/9/23 10:00
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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Asbestos CDD, Dec. # EML-OS-P-0557, Rev. 13, Replaced 2/15/19, Page 1 of 1

2 of 2



Report for:

**Mr. Jeffrey Mitchell**  
**Tetra Tech-KCMO**  
415 Oak Street  
Kansas City, MO 64106

---

Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: 103G65210190.12.03; Goldfinch Mechanic Site  
EML ID: 3127381

Approved by:



Approved Signatory  
Balu Krishnan

Dates of Analysis:  
Asbestos PLM: 01-11-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)  
NVLAP Lab Code 200844-0

---

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Tetra Tech-KCMO  
C/O: Mr. Jeffrey Mitchell  
Re: 103G65210190.12.03; Goldfinch Mechanic Site

Date of Sampling: 01-04-2023  
Date of Receipt: 01-09-2023  
Date of Report: 01-11-2023

## ASBESTOS PLM REPORT

**Total Samples Submitted:** 15

**Total Samples Analyzed:** 9

**Total Samples with Layer Asbestos Content > 1%:** 3

### Location: GFM-CLK-01, Black Caulk

Lab ID-Version‡: 15120047-1

Sample Layers	Asbestos Content
Gray/Black Caulk	5% Chrysotile
<b>Sample Composite Homogeneity:</b> Good	

**Comments:** Samples GFM-CLK-02 and GFM-CLK-03 were not analyzed due to prior positive series.

### Location: GFM-CLK2-01, White Caulk

Lab ID-Version‡: 15120050-1

Sample Layers	Asbestos Content
White Caulk	ND
<b>Sample Composite Homogeneity:</b> Good	

### Location: GFM-CLK2-02, White Caulk

Lab ID-Version‡: 15120051-1

Sample Layers	Asbestos Content
White Caulk	ND
<b>Sample Composite Homogeneity:</b> Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO  
C/O: Mr. Jeffrey Mitchell  
Re: 103G65210190.12.03; Goldfinch Mechanic Site

Date of Sampling: 01-04-2023  
Date of Receipt: 01-09-2023  
Date of Report: 01-11-2023

## ASBESTOS PLM REPORT

**Location: GFM-CLK2-03, White Caulk**

Lab ID-Version‡: 15120052-1

Sample Layers	Asbestos Content
White Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: GFM-CLK3-01, White Caulk**

Lab ID-Version‡: 15120053-1

Sample Layers	Asbestos Content
White Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: GFM-CLK3-02, White Caulk**

Lab ID-Version‡: 15120054-1

Sample Layers	Asbestos Content
White Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Client: Tetra Tech-KCMO  
C/O: Mr. Jeffrey Mitchell  
Re: 103G65210190.12.03; Goldfinch Mechanic Site

Date of Sampling: 01-04-2023  
Date of Receipt: 01-09-2023  
Date of Report: 01-11-2023

## ASBESTOS PLM REPORT

### Location: GFM-CLK3-03, White Caulk

Lab ID-Version‡: 15120055-1

Sample Layers	Asbestos Content
White Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: GFM-BS-01, Black Sealant

Lab ID-Version‡: 15120056-1

Sample Layers	Asbestos Content
Black Sealant	4% Chrysotile
<b>Sample Composite Homogeneity:</b>	Good

**Comments:** Samples GFM-BS-02 and GFM-BS-03 were not analyzed due to prior positive series.

### Location: GFM-SS-01, Silver Sealant

Lab ID-Version‡: 15120059-1

Sample Layers	Asbestos Content
Silver Sealant	2% Chrysotile
<b>Composite Non-Asbestos Content:</b>	2% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Comments:** Samples GFM-SS-02 and GFM-SS-03 were not analyzed due to prior positive series.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

## **APPENDIX E**

### **PCB ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS**

January 19, 2023

Kaitlyn Mitchell  
Tetra Tech EMI  
415 Oak  
Kansas City, MO 64106

RE: Project: GOLDFINCH MECHANIC SITE (SL)  
Pace Project No.: 60419376

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on January 06, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jamie Church  
jamie.church@pacelabs.com  
314-838-7223  
Project Manager

Enclosures

cc: Emily Fisher, TETRA TECH EMI



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

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### **Pace Analytical Services Kansas**

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 22-031-0

Illinois Certification #: 2000302021-3

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212023-1

Oklahoma Certification #: 2022-057

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-21-15

Utah Certification #: KS000212022-12

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60419376001	GFM-CLK-01	Solid	01/04/23 10:30	01/06/23 13:43
60419376002	GFM-CLK2-01	Solid	01/04/23 10:30	01/06/23 13:43
60419376003	GFM-CLK3-01	Solid	01/04/23 10:30	01/06/23 13:43
60419376004	SB-1 (0-3)	Solid	01/04/23 13:30	01/06/23 13:43
60419376005	SB-1 (12-14)	Solid	01/04/23 13:50	01/06/23 13:43
60419376006	SB-2 (0-3)	Solid	01/04/23 15:00	01/06/23 13:43
60419376007	SB-2 (9-11)	Solid	01/04/23 15:20	01/06/23 13:43
60419376008	SB-3 (0-3)	Solid	01/04/23 15:45	01/06/23 13:43
60419376009	SB-3 (7-9)	Solid	01/04/23 16:00	01/06/23 13:43
60419376010	SB-4 (0-3)	Solid	01/05/23 08:53	01/06/23 13:43
60419376011	SB-4 (19-21)	Solid	01/05/23 09:20	01/06/23 13:43
60419376012	SB-5 (0-3)	Solid	01/05/23 10:20	01/06/23 13:43
60419376013	SB-5 (13.5-15.5)	Solid	01/05/23 10:45	01/06/23 13:43
60419376014	SB-6 (0-3)	Solid	01/05/23 11:20	01/06/23 13:43
60419376015	SB-6 (0-3) DUP	Solid	01/05/23 11:20	01/06/23 13:43
60419376016	SB-6 (12.5-14.5)	Solid	01/05/23 11:50	01/06/23 13:43
60419376017	SB-7 (0-3)	Solid	01/05/23 12:45	01/06/23 13:43
60419376018	SB-7 (10.5-12.5)	Solid	01/05/23 12:57	01/06/23 13:43
60419376019	SB-8 (0-3)	Solid	01/05/23 13:45	01/06/23 13:43
60419376020	SB-8 (10-12)	Solid	01/05/23 14:06	01/06/23 13:43
60419376021	TB-1	Solid	01/05/23 08:00	01/06/23 13:43
60419376022	TB-2	Solid	01/05/23 08:00	01/06/23 13:43

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60419376001	GFM-CLK-01	EPA 8082	CAA	8	PASI-K
60419376002	GFM-CLK2-01	EPA 8082	CAA	8	PASI-K
60419376003	GFM-CLK3-01	EPA 8082	CAA	8	PASI-K
60419376004	SB-1 (0-3)	KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60419376005	SB-1 (12-14)	KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60419376006	SB-2 (0-3)	KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60419376007	SB-2 (9-11)	KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60419376008	SB-3 (0-3)	KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K

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## SAMPLE ANALYTE COUNT

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60419376009	SB-3 (7-9)	EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
60419376010	SB-4 (0-3)	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
60419376011	SB-4 (19-21)	EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
60419376012	SB-5 (0-3)	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60419376013	SB-5 (13.5-15.5)	ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
60419376014	SB-6 (0-3)	ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
60419376015	SB-6 (0-3) DUP	ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
60419376016	SB-6 (12.5-14.5)	ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
60419376017	SB-7 (0-3)	ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K

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## SAMPLE ANALYTE COUNT

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60419376018	SB-7 (10.5-12.5)	EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
60419376019	SB-8 (0-3)	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60419376020	SB-8 (10-12)	KS MRH/HRH	YGR	3	PASI-K
		EPA 8015B	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7471	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260B	RAD	68	PASI-K
60419376021	TB-1	EPA 8260B	RAD	68	PASI-K
60419376022	TB-2	EPA 8260B	RAD	68	PASI-K

PASI-K = Pace Analytical Services - Kansas City

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: GFM-CLK-01**      **Lab ID: 60419376001**      Collected: 01/04/23 10:30      Received: 01/06/23 13:43      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b> Analytical Method: EPA 8082    Preparation Method: EPA 3546 Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/kg	1250	311	1	01/09/23 13:13	01/10/23 16:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	1250	299	1	01/09/23 13:13	01/10/23 16:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1250	137	1	01/09/23 13:13	01/10/23 16:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1250	302	1	01/09/23 13:13	01/10/23 16:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1250	82.9	1	01/09/23 13:13	01/10/23 16:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1250	117	1	01/09/23 13:13	01/10/23 16:21	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1250	247	1	01/09/23 13:13	01/10/23 16:21	11096-82-5	CH
<b>Surrogates</b>									
Decachlorobiphenyl (S)	47	%	20-120		1	01/09/23 13:13	01/10/23 16:21	2051-24-3	CH

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: GFM-CLK2-01**      **Lab ID: 60419376002**      Collected: 01/04/23 10:30      Received: 01/06/23 13:43      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b> Analytical Method: EPA 8082      Preparation Method: EPA 3546 Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/kg	1300	324	1	01/09/23 13:13	01/10/23 16:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	1300	310	1	01/09/23 13:13	01/10/23 16:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1300	142	1	01/09/23 13:13	01/10/23 16:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1300	314	1	01/09/23 13:13	01/10/23 16:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1300	86.2	1	01/09/23 13:13	01/10/23 16:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1300	122	1	01/09/23 13:13	01/10/23 16:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1300	257	1	01/09/23 13:13	01/10/23 16:57	11096-82-5	CH
<b>Surrogates</b>									
Decachlorobiphenyl (S)	43	%	20-120		1	01/09/23 13:13	01/10/23 16:57	2051-24-3	CH

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: GFM-CLK3-01**      **Lab ID: 60419376003**      Collected: 01/04/23 10:30      Received: 01/06/23 13:43      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/kg	1210	300	1	01/09/23 13:13	01/10/23 17:32	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	1210	288	1	01/09/23 13:13	01/10/23 17:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1210	132	1	01/09/23 13:13	01/10/23 17:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1210	291	1	01/09/23 13:13	01/10/23 17:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1210	79.9	1	01/09/23 13:13	01/10/23 17:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1210	113	1	01/09/23 13:13	01/10/23 17:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1210	238	1	01/09/23 13:13	01/10/23 17:32	11096-82-5	CH
<b>Surrogates</b>									
Decachlorobiphenyl (S)	44	%	20-120		1	01/09/23 13:13	01/10/23 17:32	2051-24-3	CH

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-1 (0-3)**      **Lab ID: 60419376004**      Collected: 01/04/23 13:30      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.4	6.3	1	01/09/23 13:41	01/10/23 09:47		
MRH (C9-C18)	ND	mg/kg	7.1	4.3	1	01/09/23 13:41	01/10/23 09:47		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	89	%	40-140		1	01/09/23 13:41	01/10/23 09:47	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.6	0.22	1	01/17/23 12:00	01/17/23 16:11		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1	01/17/23 12:00	01/17/23 16:11	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1	01/17/23 12:00	01/17/23 16:11	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>205000</b>	mg/kg	63.0	11.4	3	01/09/23 10:08	01/17/23 09:57	7440-70-2	M1,R1
Magnesium	<b>35700</b>	mg/kg	5.3	1.6	1	01/09/23 10:08	01/16/23 15:39	7439-95-4	M1
Potassium	<b>7150</b>	mg/kg	52.5	13.3	1	01/09/23 10:08	01/16/23 15:39	7440-09-7	M1
Sodium	<b>1360</b>	mg/kg	52.5	3.5	1	01/09/23 10:08	01/16/23 15:39	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>15200</b>	mg/kg	52.5	9.2	10	01/09/23 10:08	01/13/23 12:04	7429-90-5	
Antimony	ND	mg/kg	1.1	0.44	10	01/09/23 10:08	01/13/23 12:04	7440-36-0	
Arsenic	<b>1.2</b>	mg/kg	1.1	0.24	10	01/09/23 10:08	01/13/23 12:04	7440-38-2	
Barium	<b>190</b>	mg/kg	1.1	0.34	10	01/09/23 10:08	01/13/23 12:04	7440-39-3	
Beryllium	<b>0.77</b>	mg/kg	0.53	0.044	10	01/09/23 10:08	01/13/23 12:04	7440-41-7	
Cadmium	ND	mg/kg	0.53	0.17	10	01/09/23 10:08	01/13/23 12:04	7440-43-9	
Chromium	<b>18.7</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:04	7440-47-3	
Cobalt	<b>5.5</b>	mg/kg	1.1	0.11	10	01/09/23 10:08	01/13/23 12:04	7440-48-4	
Copper	<b>6.3</b>	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 12:04	7440-50-8	
Iron	<b>24200</b>	mg/kg	52.5	3.7	10	01/09/23 10:08	01/13/23 12:04	7439-89-6	
Lead	<b>6.3</b>	mg/kg	1.1	0.16	10	01/09/23 10:08	01/13/23 12:04	7439-92-1	
Manganese	<b>1540</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:04	7439-96-5	
Nickel	<b>14.4</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 12:04	7440-02-0	
Selenium	<b>1.8</b>	mg/kg	1.1	0.29	10	01/09/23 10:08	01/13/23 12:04	7782-49-2	
Silver	ND	mg/kg	0.53	0.41	10	01/09/23 10:08	01/13/23 12:04	7440-22-4	
Thallium	ND	mg/kg	1.1	0.43	10	01/09/23 10:08	01/13/23 12:04	7440-28-0	
Vanadium	<b>17.0</b>	mg/kg	1.1	0.64	10	01/09/23 10:08	01/13/23 12:04	7440-62-2	
Zinc	<b>25.0</b>	mg/kg	10.5	1.6	10	01/09/23 10:08	01/13/23 12:04	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.061	0.018	1	01/09/23 10:03	01/10/23 11:27	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (0-3) Lab ID: 60419376004 Collected: 01/04/23 13:30 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	396	85.1	1	01/09/23 09:26	01/17/23 15:36	83-32-9	
Acenaphthylene	ND	ug/kg	396	64.8	1	01/09/23 09:26	01/17/23 15:36	208-96-8	
Anthracene	ND	ug/kg	396	82.8	1	01/09/23 09:26	01/17/23 15:36	120-12-7	
Benzo(a)anthracene	ND	ug/kg	396	83.8	1	01/09/23 09:26	01/17/23 15:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	396	85.2	1	01/09/23 09:26	01/17/23 15:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	396	96.6	1	01/09/23 09:26	01/17/23 15:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	396	68.8	1	01/09/23 09:26	01/17/23 15:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	396	85.2	1	01/09/23 09:26	01/17/23 15:36	207-08-9	
Benzoic Acid	ND	ug/kg	2000	216	1	01/09/23 09:26	01/17/23 15:36	65-85-0	
Benzyl alcohol	ND	ug/kg	792	72.8	1	01/09/23 09:26	01/17/23 15:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	396	85.5	1	01/09/23 09:26	01/17/23 15:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	396	80.7	1	01/09/23 09:26	01/17/23 15:36	85-68-7	
Carbazole	ND	ug/kg	396	81.5	1	01/09/23 09:26	01/17/23 15:36	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	792	83.1	1	01/09/23 09:26	01/17/23 15:36	59-50-7	
4-Chloroaniline	ND	ug/kg	792	62.1	1	01/09/23 09:26	01/17/23 15:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	396	78.8	1	01/09/23 09:26	01/17/23 15:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	396	80.0	1	01/09/23 09:26	01/17/23 15:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	396	85.8	1	01/09/23 09:26	01/17/23 15:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	396	83.4	1	01/09/23 09:26	01/17/23 15:36	91-58-7	
2-Chlorophenol	ND	ug/kg	396	80.9	1	01/09/23 09:26	01/17/23 15:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	396	85.0	1	01/09/23 09:26	01/17/23 15:36	7005-72-3	
Chrysene	ND	ug/kg	396	88.2	1	01/09/23 09:26	01/17/23 15:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	396	71.2	1	01/09/23 09:26	01/17/23 15:36	53-70-3	
Dibenzofuran	ND	ug/kg	396	84.6	1	01/09/23 09:26	01/17/23 15:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	396	78.9	1	01/09/23 09:26	01/17/23 15:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	396	77.4	1	01/09/23 09:26	01/17/23 15:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	396	76.4	1	01/09/23 09:26	01/17/23 15:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	792	38.9	1	01/09/23 09:26	01/17/23 15:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	396	79.4	1	01/09/23 09:26	01/17/23 15:36	120-83-2	
Diethylphthalate	ND	ug/kg	396	90.5	1	01/09/23 09:26	01/17/23 15:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	396	57.6	1	01/09/23 09:26	01/17/23 15:36	105-67-9	
Dimethylphthalate	ND	ug/kg	396	82.2	1	01/09/23 09:26	01/17/23 15:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	396	93.8	1	01/09/23 09:26	01/17/23 15:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2000	68.6	1	01/09/23 09:26	01/17/23 15:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	120	1	01/09/23 09:26	01/17/23 15:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	396	89.2	1	01/09/23 09:26	01/17/23 15:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	396	77.2	1	01/09/23 09:26	01/17/23 15:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	396	96.4	1	01/09/23 09:26	01/17/23 15:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	396	89.0	1	01/09/23 09:26	01/17/23 15:36	117-81-7	
Fluoranthene	ND	ug/kg	396	87.3	1	01/09/23 09:26	01/17/23 15:36	206-44-0	
Fluorene	ND	ug/kg	396	84.3	1	01/09/23 09:26	01/17/23 15:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	396	84.9	1	01/09/23 09:26	01/17/23 15:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	396	82.8	1	01/09/23 09:26	01/17/23 15:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	396	244	1	01/09/23 09:26	01/17/23 15:36	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (0-3) Lab ID: 60419376004 Collected: 01/04/23 13:30 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	396	72.6	1	01/09/23 09:26	01/17/23 15:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	396	81.0	1	01/09/23 09:26	01/17/23 15:36	193-39-5	
Isophorone	ND	ug/kg	396	76.6	1	01/09/23 09:26	01/17/23 15:36	78-59-1	
2-Methylnaphthalene	ND	ug/kg	396	80.3	1	01/09/23 09:26	01/17/23 15:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	396	72.2	1	01/09/23 09:26	01/17/23 15:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	396	73.6	1	01/09/23 09:26	01/17/23 15:36	15831-10-4	
Naphthalene	ND	ug/kg	396	85.2	1	01/09/23 09:26	01/17/23 15:36	91-20-3	
2-Nitroaniline	ND	ug/kg	792	65.7	1	01/09/23 09:26	01/17/23 15:36	88-74-4	
3-Nitroaniline	ND	ug/kg	792	61.7	1	01/09/23 09:26	01/17/23 15:36	99-09-2	
4-Nitroaniline	ND	ug/kg	792	67.8	1	01/09/23 09:26	01/17/23 15:36	100-01-6	
Nitrobenzene	ND	ug/kg	396	83.9	1	01/09/23 09:26	01/17/23 15:36	98-95-3	
2-Nitrophenol	ND	ug/kg	396	61.9	1	01/09/23 09:26	01/17/23 15:36	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	58.3	1	01/09/23 09:26	01/17/23 15:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	396	75.5	1	01/09/23 09:26	01/17/23 15:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	396	78.8	1	01/09/23 09:26	01/17/23 15:36	86-30-6	
Pentachlorophenol	ND	ug/kg	2000	131	1	01/09/23 09:26	01/17/23 15:36	87-86-5	
Phenanthrene	ND	ug/kg	396	84.6	1	01/09/23 09:26	01/17/23 15:36	85-01-8	
Phenol	ND	ug/kg	396	74.6	1	01/09/23 09:26	01/17/23 15:36	108-95-2	
Pyrene	ND	ug/kg	396	84.5	1	01/09/23 09:26	01/17/23 15:36	129-00-0	
Pyridine	ND	ug/kg	396	58.7	1	01/09/23 09:26	01/17/23 15:36	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	396	83.0	1	01/09/23 09:26	01/17/23 15:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	396	81.2	1	01/09/23 09:26	01/17/23 15:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	396	73.2	1	01/09/23 09:26	01/17/23 15:36	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	72	%	30-120		1	01/09/23 09:26	01/17/23 15:36	4165-60-0	
2-Fluorobiphenyl (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 15:36	321-60-8	
Terphenyl-d14 (S)	76	%	45-120		1	01/09/23 09:26	01/17/23 15:36	1718-51-0	
Phenol-d6 (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 15:36	13127-88-3	
2-Fluorophenol (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 15:36	367-12-4	
2,4,6-Tribromophenol (S)	79	%	35-120		1	01/09/23 09:26	01/17/23 15:36	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	170	ug/kg	20.5	16.6	1	01/10/23 09:13	01/10/23 09:34	67-64-1	
Benzene	1.8J	ug/kg	5.1	0.50	1	01/10/23 09:13	01/10/23 09:34	71-43-2	
Bromobenzene	ND	ug/kg	5.1	0.96	1	01/10/23 09:13	01/10/23 09:34	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	0.62	1	01/10/23 09:13	01/10/23 09:34	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	0.62	1	01/10/23 09:13	01/10/23 09:34	75-27-4	
Bromoform	ND	ug/kg	5.1	0.59	1	01/10/23 09:13	01/10/23 09:34	75-25-2	
Bromomethane	ND	ug/kg	5.1	3.0	1	01/10/23 09:13	01/10/23 09:34	74-83-9	
2-Butanone (MEK)	29.4	ug/kg	10.2	3.5	1	01/10/23 09:13	01/10/23 09:34	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	0.67	1	01/10/23 09:13	01/10/23 09:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	0.75	1	01/10/23 09:13	01/10/23 09:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.6	0.90	1	01/10/23 09:13	01/10/23 09:34	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (0-3) Lab ID: 60419376004 Collected: 01/04/23 13:30 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.1	0.66	1	01/10/23 09:13	01/10/23 09:34	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	0.88	1	01/10/23 09:13	01/10/23 09:34	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	0.64	1	01/10/23 09:13	01/10/23 09:34	108-90-7	
Chloroethane	ND	ug/kg	5.1	1.5	1	01/10/23 09:13	01/10/23 09:34	75-00-3	
Chloroform	ND	ug/kg	5.1	0.50	1	01/10/23 09:13	01/10/23 09:34	67-66-3	
Chloromethane	ND	ug/kg	5.1	0.82	1	01/10/23 09:13	01/10/23 09:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	0.75	1	01/10/23 09:13	01/10/23 09:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	0.61	1	01/10/23 09:13	01/10/23 09:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.2	1.9	1	01/10/23 09:13	01/10/23 09:34	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	0.66	1	01/10/23 09:13	01/10/23 09:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	0.55	1	01/10/23 09:13	01/10/23 09:34	106-93-4	
Dibromomethane	ND	ug/kg	5.1	0.61	1	01/10/23 09:13	01/10/23 09:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	0.64	1	01/10/23 09:13	01/10/23 09:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	0.74	1	01/10/23 09:13	01/10/23 09:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	0.83	1	01/10/23 09:13	01/10/23 09:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	1.2	1	01/10/23 09:13	01/10/23 09:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	0.40	1	01/10/23 09:13	01/10/23 09:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	0.41	1	01/10/23 09:13	01/10/23 09:34	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.1	1.1	1	01/10/23 09:13	01/10/23 09:34	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	0.65	1	01/10/23 09:13	01/10/23 09:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	0.44	1	01/10/23 09:13	01/10/23 09:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	0.70	1	01/10/23 09:13	01/10/23 09:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.0	1	01/10/23 09:13	01/10/23 09:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	0.71	1	01/10/23 09:13	01/10/23 09:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	0.49	1	01/10/23 09:13	01/10/23 09:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	0.92	1	01/10/23 09:13	01/10/23 09:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	0.54	1	01/10/23 09:13	01/10/23 09:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	0.47	1	01/10/23 09:13	01/10/23 09:34	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	0.47	1	01/10/23 09:13	01/10/23 09:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	0.87	1	01/10/23 09:13	01/10/23 09:34	87-68-3	
2-Hexanone	ND	ug/kg	20.5	2.5	1	01/10/23 09:13	01/10/23 09:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	0.58	1	01/10/23 09:13	01/10/23 09:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	0.70	1	01/10/23 09:13	01/10/23 09:34	99-87-6	
Methylene Chloride	ND	ug/kg	5.1	2.8	1	01/10/23 09:13	01/10/23 09:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.2	3.1	1	01/10/23 09:13	01/10/23 09:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	0.49	1	01/10/23 09:13	01/10/23 09:34	1634-04-4	
Naphthalene	ND	ug/kg	10.2	0.84	1	01/10/23 09:13	01/10/23 09:34	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	0.82	1	01/10/23 09:13	01/10/23 09:34	103-65-1	
Styrene	ND	ug/kg	5.1	0.60	1	01/10/23 09:13	01/10/23 09:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1.0	1	01/10/23 09:13	01/10/23 09:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.0	1	01/10/23 09:13	01/10/23 09:34	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	0.42	1	01/10/23 09:13	01/10/23 09:34	127-18-4	
Toluene	0.36J	ug/kg	5.1	0.36	1	01/10/23 09:13	01/10/23 09:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	0.82	1	01/10/23 09:13	01/10/23 09:34	87-61-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-1 (0-3)**      **Lab ID: 60419376004**      Collected: 01/04/23 13:30      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B      Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	0.82	1	01/10/23 09:13	01/10/23 09:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	0.77	1	01/10/23 09:13	01/10/23 09:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	0.65	1	01/10/23 09:13	01/10/23 09:34	79-00-5	
Trichloroethene	ND	ug/kg	5.1	0.74	1	01/10/23 09:13	01/10/23 09:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	0.63	1	01/10/23 09:13	01/10/23 09:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	2.2	1	01/10/23 09:13	01/10/23 09:34	96-18-4	
1,2,4-Trimethylbenzene	<b>1.4J</b>	ug/kg	5.1	0.69	1	01/10/23 09:13	01/10/23 09:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	0.64	1	01/10/23 09:13	01/10/23 09:34	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	0.68	1	01/10/23 09:13	01/10/23 09:34	75-01-4	
Xylene (Total)	ND	ug/kg	5.1	1.2	1	01/10/23 09:13	01/10/23 09:34	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	101	%	80-120		1	01/10/23 09:13	01/10/23 09:34	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125		1	01/10/23 09:13	01/10/23 09:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120		1	01/10/23 09:13	01/10/23 09:34	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>17.9</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-1 (12-14)**      **Lab ID: 60419376005**      Collected: 01/04/23 13:50      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	8.8	5.9	1	01/09/23 13:41	01/10/23 10:11		
MRH (C9-C18)	ND	mg/kg	6.6	4.0	1	01/09/23 13:41	01/10/23 10:11		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	99	%	40-140		1	01/09/23 13:41	01/10/23 10:11	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.0	0.21	1	01/17/23 12:00	01/17/23 16:58		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1	01/17/23 12:00	01/17/23 16:58	460-00-4	
Dibromofluoromethane (S)	86	%	70-130		1	01/17/23 12:00	01/17/23 16:58	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>148000</b>	mg/kg	58.2	10.6	3	01/09/23 10:08	01/17/23 10:03	7440-70-2	
Magnesium	<b>15600</b>	mg/kg	4.9	1.5	1	01/09/23 10:08	01/16/23 15:45	7439-95-4	
Potassium	<b>6150</b>	mg/kg	48.5	12.3	1	01/09/23 10:08	01/16/23 15:45	7440-09-7	
Sodium	<b>460</b>	mg/kg	48.5	3.2	1	01/09/23 10:08	01/16/23 15:45	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>16200</b>	mg/kg	48.5	8.5	10	01/09/23 10:08	01/13/23 12:07	7429-90-5	M1
Antimony	ND	mg/kg	0.97	0.41	10	01/09/23 10:08	01/13/23 12:07	7440-36-0	M1
Arsenic	<b>1.2</b>	mg/kg	0.97	0.22	10	01/09/23 10:08	01/13/23 12:07	7440-38-2	
Barium	<b>38.7</b>	mg/kg	0.97	0.32	10	01/09/23 10:08	01/13/23 12:07	7440-39-3	
Beryllium	<b>0.79</b>	mg/kg	0.49	0.040	10	01/09/23 10:08	01/13/23 12:07	7440-41-7	
Cadmium	ND	mg/kg	0.49	0.16	10	01/09/23 10:08	01/13/23 12:07	7440-43-9	
Chromium	<b>21.2</b>	mg/kg	0.97	0.20	10	01/09/23 10:08	01/13/23 12:07	7440-47-3	
Cobalt	<b>11.2</b>	mg/kg	0.97	0.10	10	01/09/23 10:08	01/13/23 12:07	7440-48-4	
Copper	<b>7.8</b>	mg/kg	0.97	0.25	10	01/09/23 10:08	01/13/23 12:07	7440-50-8	
Iron	<b>20600</b>	mg/kg	48.5	3.4	10	01/09/23 10:08	01/13/23 12:07	7439-89-6	M1
Lead	<b>4.6</b>	mg/kg	0.97	0.15	10	01/09/23 10:08	01/13/23 12:07	7439-92-1	
Manganese	<b>1200</b>	mg/kg	0.97	0.20	10	01/09/23 10:08	01/13/23 12:07	7439-96-5	M1
Nickel	<b>24.5</b>	mg/kg	0.97	0.13	10	01/09/23 10:08	01/13/23 12:07	7440-02-0	
Selenium	<b>2.5</b>	mg/kg	0.97	0.27	10	01/09/23 10:08	01/13/23 12:07	7782-49-2	
Silver	ND	mg/kg	0.49	0.37	10	01/09/23 10:08	01/13/23 12:07	7440-22-4	
Thallium	ND	mg/kg	0.97	0.39	10	01/09/23 10:08	01/13/23 12:07	7440-28-0	
Vanadium	<b>24.8</b>	mg/kg	0.97	0.59	10	01/09/23 10:08	01/13/23 12:07	7440-62-2	
Zinc	<b>29.7</b>	mg/kg	9.7	1.5	10	01/09/23 10:08	01/13/23 12:07	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.051	0.015	1	01/09/23 10:03	01/10/23 11:34	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (12-14) Lab ID: 60419376005 Collected: 01/04/23 13:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	364	78.2	1	01/09/23 09:26	01/17/23 15:58	83-32-9	
Acenaphthylene	ND	ug/kg	364	59.6	1	01/09/23 09:26	01/17/23 15:58	208-96-8	
Anthracene	ND	ug/kg	364	76.1	1	01/09/23 09:26	01/17/23 15:58	120-12-7	
Benzo(a)anthracene	ND	ug/kg	364	77.0	1	01/09/23 09:26	01/17/23 15:58	56-55-3	
Benzo(a)pyrene	ND	ug/kg	364	78.3	1	01/09/23 09:26	01/17/23 15:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	364	88.8	1	01/09/23 09:26	01/17/23 15:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	364	63.2	1	01/09/23 09:26	01/17/23 15:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	364	78.3	1	01/09/23 09:26	01/17/23 15:58	207-08-9	
Benzoic Acid	ND	ug/kg	1840	199	1	01/09/23 09:26	01/17/23 15:58	65-85-0	
Benzyl alcohol	ND	ug/kg	728	66.9	1	01/09/23 09:26	01/17/23 15:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	364	78.5	1	01/09/23 09:26	01/17/23 15:58	101-55-3	
Butylbenzylphthalate	ND	ug/kg	364	74.1	1	01/09/23 09:26	01/17/23 15:58	85-68-7	
Carbazole	ND	ug/kg	364	74.9	1	01/09/23 09:26	01/17/23 15:58	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	728	76.3	1	01/09/23 09:26	01/17/23 15:58	59-50-7	
4-Chloroaniline	ND	ug/kg	728	57.0	1	01/09/23 09:26	01/17/23 15:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	364	72.4	1	01/09/23 09:26	01/17/23 15:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	364	73.5	1	01/09/23 09:26	01/17/23 15:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	364	78.9	1	01/09/23 09:26	01/17/23 15:58	108-60-1	
2-Chloronaphthalene	ND	ug/kg	364	76.7	1	01/09/23 09:26	01/17/23 15:58	91-58-7	
2-Chlorophenol	ND	ug/kg	364	74.4	1	01/09/23 09:26	01/17/23 15:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	364	78.1	1	01/09/23 09:26	01/17/23 15:58	7005-72-3	
Chrysene	ND	ug/kg	364	81.1	1	01/09/23 09:26	01/17/23 15:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	364	65.4	1	01/09/23 09:26	01/17/23 15:58	53-70-3	
Dibenzofuran	ND	ug/kg	364	77.8	1	01/09/23 09:26	01/17/23 15:58	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	364	72.5	1	01/09/23 09:26	01/17/23 15:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	364	71.2	1	01/09/23 09:26	01/17/23 15:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	364	70.2	1	01/09/23 09:26	01/17/23 15:58	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	728	35.7	1	01/09/23 09:26	01/17/23 15:58	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	364	72.9	1	01/09/23 09:26	01/17/23 15:58	120-83-2	
Diethylphthalate	ND	ug/kg	364	83.2	1	01/09/23 09:26	01/17/23 15:58	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	364	53.0	1	01/09/23 09:26	01/17/23 15:58	105-67-9	
Dimethylphthalate	ND	ug/kg	364	75.6	1	01/09/23 09:26	01/17/23 15:58	131-11-3	
Di-n-butylphthalate	ND	ug/kg	364	86.2	1	01/09/23 09:26	01/17/23 15:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1840	63.0	1	01/09/23 09:26	01/17/23 15:58	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	110	1	01/09/23 09:26	01/17/23 15:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	364	82.0	1	01/09/23 09:26	01/17/23 15:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	364	70.9	1	01/09/23 09:26	01/17/23 15:58	606-20-2	
Di-n-octylphthalate	ND	ug/kg	364	88.6	1	01/09/23 09:26	01/17/23 15:58	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	364	81.7	1	01/09/23 09:26	01/17/23 15:58	117-81-7	
Fluoranthene	ND	ug/kg	364	80.2	1	01/09/23 09:26	01/17/23 15:58	206-44-0	
Fluorene	ND	ug/kg	364	77.4	1	01/09/23 09:26	01/17/23 15:58	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	364	78.0	1	01/09/23 09:26	01/17/23 15:58	87-68-3	
Hexachlorobenzene	ND	ug/kg	364	76.1	1	01/09/23 09:26	01/17/23 15:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	364	224	1	01/09/23 09:26	01/17/23 15:58	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (12-14) Lab ID: 60419376005 Collected: 01/04/23 13:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	364	66.7	1	01/09/23 09:26	01/17/23 15:58	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	364	74.5	1	01/09/23 09:26	01/17/23 15:58	193-39-5	
Isophorone	ND	ug/kg	364	70.4	1	01/09/23 09:26	01/17/23 15:58	78-59-1	
2-Methylnaphthalene	ND	ug/kg	364	73.8	1	01/09/23 09:26	01/17/23 15:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	364	66.3	1	01/09/23 09:26	01/17/23 15:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	364	67.6	1	01/09/23 09:26	01/17/23 15:58	15831-10-4	
Naphthalene	ND	ug/kg	364	78.3	1	01/09/23 09:26	01/17/23 15:58	91-20-3	
2-Nitroaniline	ND	ug/kg	728	60.3	1	01/09/23 09:26	01/17/23 15:58	88-74-4	
3-Nitroaniline	ND	ug/kg	728	56.7	1	01/09/23 09:26	01/17/23 15:58	99-09-2	
4-Nitroaniline	ND	ug/kg	728	62.3	1	01/09/23 09:26	01/17/23 15:58	100-01-6	
Nitrobenzene	ND	ug/kg	364	77.1	1	01/09/23 09:26	01/17/23 15:58	98-95-3	
2-Nitrophenol	ND	ug/kg	364	56.9	1	01/09/23 09:26	01/17/23 15:58	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	53.6	1	01/09/23 09:26	01/17/23 15:58	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	364	69.4	1	01/09/23 09:26	01/17/23 15:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	364	72.4	1	01/09/23 09:26	01/17/23 15:58	86-30-6	
Pentachlorophenol	ND	ug/kg	1840	120	1	01/09/23 09:26	01/17/23 15:58	87-86-5	
Phenanthrene	ND	ug/kg	364	77.8	1	01/09/23 09:26	01/17/23 15:58	85-01-8	
Phenol	ND	ug/kg	364	68.5	1	01/09/23 09:26	01/17/23 15:58	108-95-2	
Pyrene	ND	ug/kg	364	77.7	1	01/09/23 09:26	01/17/23 15:58	129-00-0	
Pyridine	ND	ug/kg	364	53.9	1	01/09/23 09:26	01/17/23 15:58	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	364	76.2	1	01/09/23 09:26	01/17/23 15:58	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	364	74.6	1	01/09/23 09:26	01/17/23 15:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	364	67.3	1	01/09/23 09:26	01/17/23 15:58	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	70	%	30-120		1	01/09/23 09:26	01/17/23 15:58	4165-60-0	
2-Fluorobiphenyl (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 15:58	321-60-8	
Terphenyl-d14 (S)	76	%	45-120		1	01/09/23 09:26	01/17/23 15:58	1718-51-0	
Phenol-d6 (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 15:58	13127-88-3	
2-Fluorophenol (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 15:58	367-12-4	
2,4,6-Tribromophenol (S)	82	%	35-120		1	01/09/23 09:26	01/17/23 15:58	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	18.9	15.3	1	01/10/23 09:13	01/10/23 09:50	67-64-1	
Benzene	3.9J	ug/kg	4.7	0.47	1	01/10/23 09:13	01/10/23 09:50	71-43-2	
Bromobenzene	ND	ug/kg	4.7	0.89	1	01/10/23 09:13	01/10/23 09:50	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	0.57	1	01/10/23 09:13	01/10/23 09:50	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	0.57	1	01/10/23 09:13	01/10/23 09:50	75-27-4	
Bromoform	ND	ug/kg	4.7	0.54	1	01/10/23 09:13	01/10/23 09:50	75-25-2	
Bromomethane	ND	ug/kg	4.7	2.8	1	01/10/23 09:13	01/10/23 09:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.5	3.2	1	01/10/23 09:13	01/10/23 09:50	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	0.61	1	01/10/23 09:13	01/10/23 09:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	0.69	1	01/10/23 09:13	01/10/23 09:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	23.7	0.84	1	01/10/23 09:13	01/10/23 09:50	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (12-14) Lab ID: 60419376005 Collected: 01/04/23 13:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	4.7	0.61	1	01/10/23 09:13	01/10/23 09:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	0.81	1	01/10/23 09:13	01/10/23 09:50	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	0.59	1	01/10/23 09:13	01/10/23 09:50	108-90-7	
Chloroethane	ND	ug/kg	4.7	1.4	1	01/10/23 09:13	01/10/23 09:50	75-00-3	
Chloroform	ND	ug/kg	4.7	0.47	1	01/10/23 09:13	01/10/23 09:50	67-66-3	
Chloromethane	ND	ug/kg	4.7	0.75	1	01/10/23 09:13	01/10/23 09:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	0.69	1	01/10/23 09:13	01/10/23 09:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	0.57	1	01/10/23 09:13	01/10/23 09:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.5	1.7	1	01/10/23 09:13	01/10/23 09:50	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	0.61	1	01/10/23 09:13	01/10/23 09:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	0.51	1	01/10/23 09:13	01/10/23 09:50	106-93-4	
Dibromomethane	ND	ug/kg	4.7	0.57	1	01/10/23 09:13	01/10/23 09:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	0.59	1	01/10/23 09:13	01/10/23 09:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	0.68	1	01/10/23 09:13	01/10/23 09:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	0.77	1	01/10/23 09:13	01/10/23 09:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.7	1.1	1	01/10/23 09:13	01/10/23 09:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	0.37	1	01/10/23 09:13	01/10/23 09:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	0.38	1	01/10/23 09:13	01/10/23 09:50	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.7	1.1	1	01/10/23 09:13	01/10/23 09:50	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.7	0.60	1	01/10/23 09:13	01/10/23 09:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	0.41	1	01/10/23 09:13	01/10/23 09:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	0.64	1	01/10/23 09:13	01/10/23 09:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	0.93	1	01/10/23 09:13	01/10/23 09:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	0.65	1	01/10/23 09:13	01/10/23 09:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	0.45	1	01/10/23 09:13	01/10/23 09:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	0.85	1	01/10/23 09:13	01/10/23 09:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	0.50	1	01/10/23 09:13	01/10/23 09:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	0.43	1	01/10/23 09:13	01/10/23 09:50	10061-02-6	
Ethylbenzene	2.9J	ug/kg	4.7	0.44	1	01/10/23 09:13	01/10/23 09:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	0.81	1	01/10/23 09:13	01/10/23 09:50	87-68-3	
2-Hexanone	ND	ug/kg	18.9	2.4	1	01/10/23 09:13	01/10/23 09:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	0.54	1	01/10/23 09:13	01/10/23 09:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	0.65	1	01/10/23 09:13	01/10/23 09:50	99-87-6	
Methylene Chloride	ND	ug/kg	4.7	2.6	1	01/10/23 09:13	01/10/23 09:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.5	2.9	1	01/10/23 09:13	01/10/23 09:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	0.46	1	01/10/23 09:13	01/10/23 09:50	1634-04-4	
Naphthalene	0.79J	ug/kg	9.5	0.78	1	01/10/23 09:13	01/10/23 09:50	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	0.76	1	01/10/23 09:13	01/10/23 09:50	103-65-1	
Styrene	ND	ug/kg	4.7	0.56	1	01/10/23 09:13	01/10/23 09:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	0.96	1	01/10/23 09:13	01/10/23 09:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	0.95	1	01/10/23 09:13	01/10/23 09:50	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	0.39	1	01/10/23 09:13	01/10/23 09:50	127-18-4	
Toluene	5.0	ug/kg	4.7	0.33	1	01/10/23 09:13	01/10/23 09:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	0.75	1	01/10/23 09:13	01/10/23 09:50	87-61-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-1 (12-14) Lab ID: 60419376005 Collected: 01/04/23 13:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	0.75	1	01/10/23 09:13	01/10/23 09:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	0.71	1	01/10/23 09:13	01/10/23 09:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	0.60	1	01/10/23 09:13	01/10/23 09:50	79-00-5	
Trichloroethene	ND	ug/kg	4.7	0.69	1	01/10/23 09:13	01/10/23 09:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	0.58	1	01/10/23 09:13	01/10/23 09:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	2.0	1	01/10/23 09:13	01/10/23 09:50	96-18-4	
1,2,4-Trimethylbenzene	<b>0.80J</b>	ug/kg	4.7	0.63	1	01/10/23 09:13	01/10/23 09:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	0.59	1	01/10/23 09:13	01/10/23 09:50	108-67-8	
Vinyl chloride	ND	ug/kg	4.7	0.63	1	01/10/23 09:13	01/10/23 09:50	75-01-4	
Xylene (Total)	<b>2.1J</b>	ug/kg	4.7	1.1	1	01/10/23 09:13	01/10/23 09:50	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 09:50	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-125		1	01/10/23 09:13	01/10/23 09:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120		1	01/10/23 09:13	01/10/23 09:50	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>12.6</b>	%	0.50	0.50	1		01/09/23 11:40
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-2 (0-3)**      **Lab ID: 60419376006**      Collected: 01/04/23 15:00      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	<b>6.4J</b>	mg/kg	8.5	5.6	1	01/09/23 13:41	01/11/23 16:35		
MRH (C9-C18)	ND	mg/kg	6.3	3.8	1	01/09/23 13:41	01/11/23 16:35		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	97	%	40-140		1	01/09/23 13:41	01/11/23 16:35	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	7.0	0.24	1	01/10/23 09:11	01/11/23 20:37		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1	01/10/23 09:11	01/11/23 20:37	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1	01/10/23 09:11	01/11/23 20:37	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>3060</b>	mg/kg	20.6	3.7	1	01/09/23 10:08	01/16/23 15:47	7440-70-2	
Magnesium	<b>4250</b>	mg/kg	5.1	1.6	1	01/09/23 10:08	01/16/23 15:47	7439-95-4	
Potassium	<b>5120</b>	mg/kg	51.4	13.1	1	01/09/23 10:08	01/16/23 15:47	7440-09-7	
Sodium	<b>103</b>	mg/kg	51.4	3.4	1	01/09/23 10:08	01/16/23 15:47	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>29400</b>	mg/kg	51.4	9.0	10	01/09/23 10:08	01/13/23 12:21	7429-90-5	
Antimony	ND	mg/kg	1.0	0.43	10	01/09/23 10:08	01/13/23 12:21	7440-36-0	
Arsenic	<b>9.5</b>	mg/kg	1.0	0.24	10	01/09/23 10:08	01/13/23 12:21	7440-38-2	
Barium	<b>247</b>	mg/kg	1.0	0.34	10	01/09/23 10:08	01/13/23 12:21	7440-39-3	
Beryllium	<b>1.3</b>	mg/kg	0.51	0.043	10	01/09/23 10:08	01/13/23 12:21	7440-41-7	
Cadmium	<b>0.19J</b>	mg/kg	0.51	0.17	10	01/09/23 10:08	01/13/23 12:21	7440-43-9	
Chromium	<b>28.7</b>	mg/kg	1.0	0.21	10	01/09/23 10:08	01/13/23 12:21	7440-47-3	
Cobalt	<b>13.0</b>	mg/kg	1.0	0.11	10	01/09/23 10:08	01/13/23 12:21	7440-48-4	
Copper	<b>19.5</b>	mg/kg	1.0	0.26	10	01/09/23 10:08	01/13/23 12:21	7440-50-8	
Iron	<b>29400</b>	mg/kg	51.4	3.6	10	01/09/23 10:08	01/13/23 12:21	7439-89-6	
Lead	<b>15.3</b>	mg/kg	1.0	0.16	10	01/09/23 10:08	01/13/23 12:21	7439-92-1	
Manganese	<b>936</b>	mg/kg	1.0	0.21	10	01/09/23 10:08	01/13/23 12:21	7439-96-5	
Nickel	<b>31.0</b>	mg/kg	1.0	0.14	10	01/09/23 10:08	01/13/23 12:21	7440-02-0	
Selenium	<b>4.4</b>	mg/kg	1.0	0.28	10	01/09/23 10:08	01/13/23 12:21	7782-49-2	
Silver	ND	mg/kg	0.51	0.40	10	01/09/23 10:08	01/13/23 12:21	7440-22-4	
Thallium	ND	mg/kg	1.0	0.42	10	01/09/23 10:08	01/13/23 12:21	7440-28-0	
Vanadium	<b>40.5</b>	mg/kg	1.0	0.62	10	01/09/23 10:08	01/13/23 12:21	7440-62-2	
Zinc	<b>45.7</b>	mg/kg	10.3	1.5	10	01/09/23 10:08	01/13/23 12:21	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.055	0.016	1	01/09/23 10:03	01/10/23 11:37	7439-97-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-2 (0-3) Lab ID: 60419376006 Collected: 01/04/23 15:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	375	80.5	1	01/09/23 09:26	01/17/23 17:03	83-32-9	
Acenaphthylene	ND	ug/kg	375	61.3	1	01/09/23 09:26	01/17/23 17:03	208-96-8	
Anthracene	ND	ug/kg	375	78.4	1	01/09/23 09:26	01/17/23 17:03	120-12-7	
Benzo(a)anthracene	ND	ug/kg	375	79.3	1	01/09/23 09:26	01/17/23 17:03	56-55-3	
Benzo(a)pyrene	ND	ug/kg	375	80.6	1	01/09/23 09:26	01/17/23 17:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	375	91.4	1	01/09/23 09:26	01/17/23 17:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	375	65.1	1	01/09/23 09:26	01/17/23 17:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	375	80.6	1	01/09/23 09:26	01/17/23 17:03	207-08-9	
Benzoic Acid	ND	ug/kg	1900	204	1	01/09/23 09:26	01/17/23 17:03	65-85-0	
Benzyl alcohol	ND	ug/kg	750	68.8	1	01/09/23 09:26	01/17/23 17:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	375	80.9	1	01/09/23 09:26	01/17/23 17:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	375	76.3	1	01/09/23 09:26	01/17/23 17:03	85-68-7	
Carbazole	ND	ug/kg	375	77.1	1	01/09/23 09:26	01/17/23 17:03	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	750	78.6	1	01/09/23 09:26	01/17/23 17:03	59-50-7	
4-Chloroaniline	ND	ug/kg	750	58.7	1	01/09/23 09:26	01/17/23 17:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	375	74.5	1	01/09/23 09:26	01/17/23 17:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	375	75.6	1	01/09/23 09:26	01/17/23 17:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	375	81.2	1	01/09/23 09:26	01/17/23 17:03	108-60-1	
2-Chloronaphthalene	ND	ug/kg	375	78.9	1	01/09/23 09:26	01/17/23 17:03	91-58-7	
2-Chlorophenol	ND	ug/kg	375	76.5	1	01/09/23 09:26	01/17/23 17:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	375	80.4	1	01/09/23 09:26	01/17/23 17:03	7005-72-3	
Chrysene	ND	ug/kg	375	83.5	1	01/09/23 09:26	01/17/23 17:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	375	67.3	1	01/09/23 09:26	01/17/23 17:03	53-70-3	
Dibenzofuran	ND	ug/kg	375	80.1	1	01/09/23 09:26	01/17/23 17:03	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	375	74.6	1	01/09/23 09:26	01/17/23 17:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	375	73.2	1	01/09/23 09:26	01/17/23 17:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	375	72.2	1	01/09/23 09:26	01/17/23 17:03	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	750	36.8	1	01/09/23 09:26	01/17/23 17:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	375	75.1	1	01/09/23 09:26	01/17/23 17:03	120-83-2	
Diethylphthalate	ND	ug/kg	375	85.6	1	01/09/23 09:26	01/17/23 17:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	375	54.5	1	01/09/23 09:26	01/17/23 17:03	105-67-9	
Dimethylphthalate	ND	ug/kg	375	77.8	1	01/09/23 09:26	01/17/23 17:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	375	88.7	1	01/09/23 09:26	01/17/23 17:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1900	64.8	1	01/09/23 09:26	01/17/23 17:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	113	1	01/09/23 09:26	01/17/23 17:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	375	84.4	1	01/09/23 09:26	01/17/23 17:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	375	73.0	1	01/09/23 09:26	01/17/23 17:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	375	91.2	1	01/09/23 09:26	01/17/23 17:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	375	84.1	1	01/09/23 09:26	01/17/23 17:03	117-81-7	
Fluoranthene	ND	ug/kg	375	82.6	1	01/09/23 09:26	01/17/23 17:03	206-44-0	
Fluorene	ND	ug/kg	375	79.7	1	01/09/23 09:26	01/17/23 17:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	375	80.3	1	01/09/23 09:26	01/17/23 17:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	375	78.4	1	01/09/23 09:26	01/17/23 17:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	375	231	1	01/09/23 09:26	01/17/23 17:03	77-47-4	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-2 (0-3) Lab ID: 60419376006 Collected: 01/04/23 15:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	375	68.7	1	01/09/23 09:26	01/17/23 17:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	375	76.7	1	01/09/23 09:26	01/17/23 17:03	193-39-5	
Isophorone	ND	ug/kg	375	72.5	1	01/09/23 09:26	01/17/23 17:03	78-59-1	
2-Methylnaphthalene	ND	ug/kg	375	76.0	1	01/09/23 09:26	01/17/23 17:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	375	68.3	1	01/09/23 09:26	01/17/23 17:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	375	69.6	1	01/09/23 09:26	01/17/23 17:03	15831-10-4	
Naphthalene	ND	ug/kg	375	80.6	1	01/09/23 09:26	01/17/23 17:03	91-20-3	
2-Nitroaniline	ND	ug/kg	750	62.1	1	01/09/23 09:26	01/17/23 17:03	88-74-4	
3-Nitroaniline	ND	ug/kg	750	58.4	1	01/09/23 09:26	01/17/23 17:03	99-09-2	
4-Nitroaniline	ND	ug/kg	750	64.2	1	01/09/23 09:26	01/17/23 17:03	100-01-6	
Nitrobenzene	ND	ug/kg	375	79.4	1	01/09/23 09:26	01/17/23 17:03	98-95-3	
2-Nitrophenol	ND	ug/kg	375	58.6	1	01/09/23 09:26	01/17/23 17:03	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	55.2	1	01/09/23 09:26	01/17/23 17:03	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	375	71.4	1	01/09/23 09:26	01/17/23 17:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	375	74.5	1	01/09/23 09:26	01/17/23 17:03	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	124	1	01/09/23 09:26	01/17/23 17:03	87-86-5	
Phenanthrene	ND	ug/kg	375	80.1	1	01/09/23 09:26	01/17/23 17:03	85-01-8	
Phenol	ND	ug/kg	375	70.5	1	01/09/23 09:26	01/17/23 17:03	108-95-2	
Pyrene	ND	ug/kg	375	79.9	1	01/09/23 09:26	01/17/23 17:03	129-00-0	
Pyridine	ND	ug/kg	375	55.5	1	01/09/23 09:26	01/17/23 17:03	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	375	78.5	1	01/09/23 09:26	01/17/23 17:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	375	76.8	1	01/09/23 09:26	01/17/23 17:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	375	69.3	1	01/09/23 09:26	01/17/23 17:03	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	73	%	30-120		1	01/09/23 09:26	01/17/23 17:03	4165-60-0	
2-Fluorobiphenyl (S)	76	%	40-120		1	01/09/23 09:26	01/17/23 17:03	321-60-8	
Terphenyl-d14 (S)	78	%	45-120		1	01/09/23 09:26	01/17/23 17:03	1718-51-0	
Phenol-d6 (S)	75	%	40-120		1	01/09/23 09:26	01/17/23 17:03	13127-88-3	
2-Fluorophenol (S)	74	%	40-120		1	01/09/23 09:26	01/17/23 17:03	367-12-4	
2,4,6-Tribromophenol (S)	85	%	35-120		1	01/09/23 09:26	01/17/23 17:03	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	149	ug/kg	24.1	19.5	1	01/10/23 09:13	01/10/23 10:06	67-64-1	
Benzene	ND	ug/kg	6.0	0.59	1	01/10/23 09:13	01/10/23 10:06	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1.1	1	01/10/23 09:13	01/10/23 10:06	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	0.72	1	01/10/23 09:13	01/10/23 10:06	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	0.72	1	01/10/23 09:13	01/10/23 10:06	75-27-4	
Bromoform	ND	ug/kg	6.0	0.69	1	01/10/23 09:13	01/10/23 10:06	75-25-2	
Bromomethane	ND	ug/kg	6.0	3.5	1	01/10/23 09:13	01/10/23 10:06	74-83-9	
2-Butanone (MEK)	15.7	ug/kg	12.0	4.1	1	01/10/23 09:13	01/10/23 10:06	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	0.78	1	01/10/23 09:13	01/10/23 10:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	0.88	1	01/10/23 09:13	01/10/23 10:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	30.1	1.1	1	01/10/23 09:13	01/10/23 10:06	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-2 (0-3) Lab ID: 60419376006 Collected: 01/04/23 15:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	6.0	0.77	1	01/10/23 09:13	01/10/23 10:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.0	1.0	1	01/10/23 09:13	01/10/23 10:06	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	0.75	1	01/10/23 09:13	01/10/23 10:06	108-90-7	
Chloroethane	ND	ug/kg	6.0	1.8	1	01/10/23 09:13	01/10/23 10:06	75-00-3	
Chloroform	ND	ug/kg	6.0	0.59	1	01/10/23 09:13	01/10/23 10:06	67-66-3	
Chloromethane	ND	ug/kg	6.0	0.96	1	01/10/23 09:13	01/10/23 10:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	0.88	1	01/10/23 09:13	01/10/23 10:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	0.72	1	01/10/23 09:13	01/10/23 10:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.0	2.2	1	01/10/23 09:13	01/10/23 10:06	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	0.78	1	01/10/23 09:13	01/10/23 10:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	0.64	1	01/10/23 09:13	01/10/23 10:06	106-93-4	
Dibromomethane	ND	ug/kg	6.0	0.72	1	01/10/23 09:13	01/10/23 10:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	0.75	1	01/10/23 09:13	01/10/23 10:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	0.87	1	01/10/23 09:13	01/10/23 10:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	0.97	1	01/10/23 09:13	01/10/23 10:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.0	1.4	1	01/10/23 09:13	01/10/23 10:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	0.47	1	01/10/23 09:13	01/10/23 10:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	0.48	1	01/10/23 09:13	01/10/23 10:06	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	6.0	1.3	1	01/10/23 09:13	01/10/23 10:06	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.0	0.77	1	01/10/23 09:13	01/10/23 10:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	0.52	1	01/10/23 09:13	01/10/23 10:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	0.82	1	01/10/23 09:13	01/10/23 10:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1.2	1	01/10/23 09:13	01/10/23 10:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	0.83	1	01/10/23 09:13	01/10/23 10:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	0.57	1	01/10/23 09:13	01/10/23 10:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1.1	1	01/10/23 09:13	01/10/23 10:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	0.64	1	01/10/23 09:13	01/10/23 10:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	0.55	1	01/10/23 09:13	01/10/23 10:06	10061-02-6	
Ethylbenzene	ND	ug/kg	6.0	0.56	1	01/10/23 09:13	01/10/23 10:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1.0	1	01/10/23 09:13	01/10/23 10:06	87-68-3	
2-Hexanone	ND	ug/kg	24.1	3.0	1	01/10/23 09:13	01/10/23 10:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	0.69	1	01/10/23 09:13	01/10/23 10:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	0.83	1	01/10/23 09:13	01/10/23 10:06	99-87-6	
Methylene Chloride	ND	ug/kg	6.0	3.3	1	01/10/23 09:13	01/10/23 10:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	12.0	3.6	1	01/10/23 09:13	01/10/23 10:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	0.58	1	01/10/23 09:13	01/10/23 10:06	1634-04-4	
Naphthalene	ND	ug/kg	12.0	0.99	1	01/10/23 09:13	01/10/23 10:06	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	0.97	1	01/10/23 09:13	01/10/23 10:06	103-65-1	
Styrene	ND	ug/kg	6.0	0.71	1	01/10/23 09:13	01/10/23 10:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1.2	1	01/10/23 09:13	01/10/23 10:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1.2	1	01/10/23 09:13	01/10/23 10:06	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	0.50	1	01/10/23 09:13	01/10/23 10:06	127-18-4	
Toluene	ND	ug/kg	6.0	0.42	1	01/10/23 09:13	01/10/23 10:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	0.96	1	01/10/23 09:13	01/10/23 10:06	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-2 (0-3)** Lab ID: **60419376006** Collected: 01/04/23 15:00 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	0.96	1	01/10/23 09:13	01/10/23 10:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	0.90	1	01/10/23 09:13	01/10/23 10:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	0.76	1	01/10/23 09:13	01/10/23 10:06	79-00-5	
Trichloroethene	ND	ug/kg	6.0	0.87	1	01/10/23 09:13	01/10/23 10:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	0.74	1	01/10/23 09:13	01/10/23 10:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	2.6	1	01/10/23 09:13	01/10/23 10:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	0.81	1	01/10/23 09:13	01/10/23 10:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	0.75	1	01/10/23 09:13	01/10/23 10:06	108-67-8	
Vinyl chloride	ND	ug/kg	6.0	0.80	1	01/10/23 09:13	01/10/23 10:06	75-01-4	
Xylene (Total)	ND	ug/kg	6.0	1.4	1	01/10/23 09:13	01/10/23 10:06	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	98	%	80-120		1	01/10/23 09:13	01/10/23 10:06	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125		1	01/10/23 09:13	01/10/23 10:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120		1	01/10/23 09:13	01/10/23 10:06	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>14.7</b>	%	0.50	0.50	1		01/09/23 11:40
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-2 (9-11)**      **Lab ID: 60419376007**      Collected: 01/04/23 15:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.3	6.2	1	01/09/23 13:41	01/10/23 10:28		
MRH (C9-C18)	ND	mg/kg	7.0	4.2	1	01/09/23 13:41	01/10/23 10:28		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	98	%	40-140		1	01/09/23 13:41	01/10/23 10:28	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.5	0.22	1	01/17/23 12:00	01/17/23 17:14		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1	01/17/23 12:00	01/17/23 17:14	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1	01/17/23 12:00	01/17/23 17:14	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>132000</b>	mg/kg	59.4	10.8	3	01/09/23 10:08	01/17/23 10:05	7440-70-2	
Magnesium	<b>13900</b>	mg/kg	5.0	1.5	1	01/09/23 10:08	01/16/23 15:49	7439-95-4	
Potassium	<b>6580</b>	mg/kg	49.5	12.6	1	01/09/23 10:08	01/16/23 15:49	7440-09-7	
Sodium	<b>449</b>	mg/kg	49.5	3.3	1	01/09/23 10:08	01/16/23 15:49	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>18100</b>	mg/kg	49.5	8.7	10	01/09/23 10:08	01/13/23 12:24	7429-90-5	
Antimony	ND	mg/kg	0.99	0.41	10	01/09/23 10:08	01/13/23 12:24	7440-36-0	
Arsenic	<b>1.4</b>	mg/kg	0.99	0.23	10	01/09/23 10:08	01/13/23 12:24	7440-38-2	
Barium	<b>67.5</b>	mg/kg	0.99	0.32	10	01/09/23 10:08	01/13/23 12:24	7440-39-3	
Beryllium	<b>0.96</b>	mg/kg	0.50	0.041	10	01/09/23 10:08	01/13/23 12:24	7440-41-7	
Cadmium	ND	mg/kg	0.50	0.16	10	01/09/23 10:08	01/13/23 12:24	7440-43-9	
Chromium	<b>23.6</b>	mg/kg	0.99	0.21	10	01/09/23 10:08	01/13/23 12:24	7440-47-3	
Cobalt	<b>11.4</b>	mg/kg	0.99	0.11	10	01/09/23 10:08	01/13/23 12:24	7440-48-4	
Copper	<b>7.2</b>	mg/kg	0.99	0.25	10	01/09/23 10:08	01/13/23 12:24	7440-50-8	
Iron	<b>22000</b>	mg/kg	49.5	3.4	10	01/09/23 10:08	01/13/23 12:24	7439-89-6	
Lead	<b>4.4</b>	mg/kg	0.99	0.15	10	01/09/23 10:08	01/13/23 12:24	7439-92-1	
Manganese	<b>881</b>	mg/kg	0.99	0.20	10	01/09/23 10:08	01/13/23 12:24	7439-96-5	
Nickel	<b>26.6</b>	mg/kg	0.99	0.14	10	01/09/23 10:08	01/13/23 12:24	7440-02-0	
Selenium	<b>3.1</b>	mg/kg	0.99	0.27	10	01/09/23 10:08	01/13/23 12:24	7782-49-2	
Silver	ND	mg/kg	0.50	0.38	10	01/09/23 10:08	01/13/23 12:24	7440-22-4	
Thallium	ND	mg/kg	0.99	0.40	10	01/09/23 10:08	01/13/23 12:24	7440-28-0	
Vanadium	<b>30.8</b>	mg/kg	0.99	0.60	10	01/09/23 10:08	01/13/23 12:24	7440-62-2	
Zinc	<b>32.7</b>	mg/kg	9.9	1.5	10	01/09/23 10:08	01/13/23 12:24	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.051	0.015	1	01/09/23 10:03	01/10/23 11:39	7439-97-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-2 (9-11) Lab ID: 60419376007 Collected: 01/04/23 15:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	383	82.2	1	01/09/23 09:26	01/17/23 17:25	83-32-9	
Acenaphthylene	ND	ug/kg	383	62.6	1	01/09/23 09:26	01/17/23 17:25	208-96-8	
Anthracene	ND	ug/kg	383	80.0	1	01/09/23 09:26	01/17/23 17:25	120-12-7	
Benzo(a)anthracene	ND	ug/kg	383	80.9	1	01/09/23 09:26	01/17/23 17:25	56-55-3	
Benzo(a)pyrene	ND	ug/kg	383	82.3	1	01/09/23 09:26	01/17/23 17:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	383	93.3	1	01/09/23 09:26	01/17/23 17:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	383	66.4	1	01/09/23 09:26	01/17/23 17:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	383	82.3	1	01/09/23 09:26	01/17/23 17:25	207-08-9	
Benzoic Acid	ND	ug/kg	1940	209	1	01/09/23 09:26	01/17/23 17:25	65-85-0	
Benzyl alcohol	ND	ug/kg	765	70.3	1	01/09/23 09:26	01/17/23 17:25	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	82.6	1	01/09/23 09:26	01/17/23 17:25	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	77.9	1	01/09/23 09:26	01/17/23 17:25	85-68-7	
Carbazole	ND	ug/kg	383	78.7	1	01/09/23 09:26	01/17/23 17:25	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	765	80.2	1	01/09/23 09:26	01/17/23 17:25	59-50-7	
4-Chloroaniline	ND	ug/kg	765	59.9	1	01/09/23 09:26	01/17/23 17:25	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	76.1	1	01/09/23 09:26	01/17/23 17:25	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	77.2	1	01/09/23 09:26	01/17/23 17:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	383	82.9	1	01/09/23 09:26	01/17/23 17:25	108-60-1	
2-Chloronaphthalene	ND	ug/kg	383	80.6	1	01/09/23 09:26	01/17/23 17:25	91-58-7	
2-Chlorophenol	ND	ug/kg	383	78.2	1	01/09/23 09:26	01/17/23 17:25	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	82.1	1	01/09/23 09:26	01/17/23 17:25	7005-72-3	
Chrysene	ND	ug/kg	383	85.2	1	01/09/23 09:26	01/17/23 17:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	383	68.8	1	01/09/23 09:26	01/17/23 17:25	53-70-3	
Dibenzofuran	ND	ug/kg	383	81.7	1	01/09/23 09:26	01/17/23 17:25	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	383	76.2	1	01/09/23 09:26	01/17/23 17:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	383	74.8	1	01/09/23 09:26	01/17/23 17:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	383	73.7	1	01/09/23 09:26	01/17/23 17:25	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	765	37.6	1	01/09/23 09:26	01/17/23 17:25	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	383	76.6	1	01/09/23 09:26	01/17/23 17:25	120-83-2	
Diethylphthalate	ND	ug/kg	383	87.4	1	01/09/23 09:26	01/17/23 17:25	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	55.7	1	01/09/23 09:26	01/17/23 17:25	105-67-9	
Dimethylphthalate	ND	ug/kg	383	79.4	1	01/09/23 09:26	01/17/23 17:25	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	90.6	1	01/09/23 09:26	01/17/23 17:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1940	66.2	1	01/09/23 09:26	01/17/23 17:25	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	116	1	01/09/23 09:26	01/17/23 17:25	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	86.2	1	01/09/23 09:26	01/17/23 17:25	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	74.6	1	01/09/23 09:26	01/17/23 17:25	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	93.1	1	01/09/23 09:26	01/17/23 17:25	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	85.9	1	01/09/23 09:26	01/17/23 17:25	117-81-7	
Fluoranthene	ND	ug/kg	383	84.3	1	01/09/23 09:26	01/17/23 17:25	206-44-0	
Fluorene	ND	ug/kg	383	81.4	1	01/09/23 09:26	01/17/23 17:25	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	383	82.0	1	01/09/23 09:26	01/17/23 17:25	87-68-3	
Hexachlorobenzene	ND	ug/kg	383	80.0	1	01/09/23 09:26	01/17/23 17:25	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	383	235	1	01/09/23 09:26	01/17/23 17:25	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-2 (9-11) Lab ID: 60419376007 Collected: 01/04/23 15:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	383	70.2	1	01/09/23 09:26	01/17/23 17:25	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	383	78.3	1	01/09/23 09:26	01/17/23 17:25	193-39-5	
Isophorone	ND	ug/kg	383	74.0	1	01/09/23 09:26	01/17/23 17:25	78-59-1	
2-Methylnaphthalene	ND	ug/kg	383	77.6	1	01/09/23 09:26	01/17/23 17:25	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	69.7	1	01/09/23 09:26	01/17/23 17:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	383	71.1	1	01/09/23 09:26	01/17/23 17:25	15831-10-4	
Naphthalene	ND	ug/kg	383	82.3	1	01/09/23 09:26	01/17/23 17:25	91-20-3	
2-Nitroaniline	ND	ug/kg	765	63.4	1	01/09/23 09:26	01/17/23 17:25	88-74-4	
3-Nitroaniline	ND	ug/kg	765	59.6	1	01/09/23 09:26	01/17/23 17:25	99-09-2	
4-Nitroaniline	ND	ug/kg	765	65.5	1	01/09/23 09:26	01/17/23 17:25	100-01-6	
Nitrobenzene	ND	ug/kg	383	81.1	1	01/09/23 09:26	01/17/23 17:25	98-95-3	
2-Nitrophenol	ND	ug/kg	383	59.8	1	01/09/23 09:26	01/17/23 17:25	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	56.4	1	01/09/23 09:26	01/17/23 17:25	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	72.9	1	01/09/23 09:26	01/17/23 17:25	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	76.1	1	01/09/23 09:26	01/17/23 17:25	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	126	1	01/09/23 09:26	01/17/23 17:25	87-86-5	
Phenanthrene	ND	ug/kg	383	81.7	1	01/09/23 09:26	01/17/23 17:25	85-01-8	
Phenol	ND	ug/kg	383	72.0	1	01/09/23 09:26	01/17/23 17:25	108-95-2	
Pyrene	ND	ug/kg	383	81.6	1	01/09/23 09:26	01/17/23 17:25	129-00-0	
Pyridine	ND	ug/kg	383	56.7	1	01/09/23 09:26	01/17/23 17:25	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	383	80.1	1	01/09/23 09:26	01/17/23 17:25	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	383	78.4	1	01/09/23 09:26	01/17/23 17:25	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	70.7	1	01/09/23 09:26	01/17/23 17:25	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	71	%	30-120		1	01/09/23 09:26	01/17/23 17:25	4165-60-0	
2-Fluorobiphenyl (S)	73	%	40-120		1	01/09/23 09:26	01/17/23 17:25	321-60-8	
Terphenyl-d14 (S)	76	%	45-120		1	01/09/23 09:26	01/17/23 17:25	1718-51-0	
Phenol-d6 (S)	74	%	40-120		1	01/09/23 09:26	01/17/23 17:25	13127-88-3	
2-Fluorophenol (S)	74	%	40-120		1	01/09/23 09:26	01/17/23 17:25	367-12-4	
2,4,6-Tribromophenol (S)	84	%	35-120		1	01/09/23 09:26	01/17/23 17:25	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	23.7	19.2	1	01/10/23 09:13	01/10/23 14:27	67-64-1	
Benzene	4.9J	ug/kg	5.9	0.58	1	01/10/23 09:13	01/10/23 14:27	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1.1	1	01/10/23 09:13	01/10/23 14:27	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	0.71	1	01/10/23 09:13	01/10/23 14:27	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	0.71	1	01/10/23 09:13	01/10/23 14:27	75-27-4	
Bromoform	ND	ug/kg	5.9	0.68	1	01/10/23 09:13	01/10/23 14:27	75-25-2	
Bromomethane	ND	ug/kg	5.9	3.5	1	01/10/23 09:13	01/10/23 14:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.9	4.0	1	01/10/23 09:13	01/10/23 14:27	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	0.77	1	01/10/23 09:13	01/10/23 14:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	0.87	1	01/10/23 09:13	01/10/23 14:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	29.6	1.0	1	01/10/23 09:13	01/10/23 14:27	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-2 (9-11) Lab ID: 60419376007 Collected: 01/04/23 15:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.9	0.76	1	01/10/23 09:13	01/10/23 14:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	1.0	1	01/10/23 09:13	01/10/23 14:27	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	0.74	1	01/10/23 09:13	01/10/23 14:27	108-90-7	
Chloroethane	ND	ug/kg	5.9	1.8	1	01/10/23 09:13	01/10/23 14:27	75-00-3	
Chloroform	ND	ug/kg	5.9	0.58	1	01/10/23 09:13	01/10/23 14:27	67-66-3	
Chloromethane	ND	ug/kg	5.9	0.95	1	01/10/23 09:13	01/10/23 14:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	0.86	1	01/10/23 09:13	01/10/23 14:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	0.71	1	01/10/23 09:13	01/10/23 14:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.9	2.2	1	01/10/23 09:13	01/10/23 14:27	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	0.77	1	01/10/23 09:13	01/10/23 14:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	0.63	1	01/10/23 09:13	01/10/23 14:27	106-93-4	
Dibromomethane	ND	ug/kg	5.9	0.71	1	01/10/23 09:13	01/10/23 14:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	0.74	1	01/10/23 09:13	01/10/23 14:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	0.85	1	01/10/23 09:13	01/10/23 14:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	0.96	1	01/10/23 09:13	01/10/23 14:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.9	1.4	1	01/10/23 09:13	01/10/23 14:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	0.46	1	01/10/23 09:13	01/10/23 14:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	0.47	1	01/10/23 09:13	01/10/23 14:27	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.9	1.3	1	01/10/23 09:13	01/10/23 14:27	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.9	0.76	1	01/10/23 09:13	01/10/23 14:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	0.51	1	01/10/23 09:13	01/10/23 14:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	0.81	1	01/10/23 09:13	01/10/23 14:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1.2	1	01/10/23 09:13	01/10/23 14:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	0.82	1	01/10/23 09:13	01/10/23 14:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	0.56	1	01/10/23 09:13	01/10/23 14:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1.1	1	01/10/23 09:13	01/10/23 14:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	0.63	1	01/10/23 09:13	01/10/23 14:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	0.54	1	01/10/23 09:13	01/10/23 14:27	10061-02-6	
Ethylbenzene	3.9J	ug/kg	5.9	0.55	1	01/10/23 09:13	01/10/23 14:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1.0	1	01/10/23 09:13	01/10/23 14:27	87-68-3	
2-Hexanone	ND	ug/kg	23.7	3.0	1	01/10/23 09:13	01/10/23 14:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	0.68	1	01/10/23 09:13	01/10/23 14:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	0.82	1	01/10/23 09:13	01/10/23 14:27	99-87-6	
Methylene Chloride	ND	ug/kg	5.9	3.2	1	01/10/23 09:13	01/10/23 14:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.9	3.6	1	01/10/23 09:13	01/10/23 14:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	0.57	1	01/10/23 09:13	01/10/23 14:27	1634-04-4	
Naphthalene	1.0J	ug/kg	11.9	0.97	1	01/10/23 09:13	01/10/23 14:27	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	0.95	1	01/10/23 09:13	01/10/23 14:27	103-65-1	
Styrene	ND	ug/kg	5.9	0.70	1	01/10/23 09:13	01/10/23 14:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1.2	1	01/10/23 09:13	01/10/23 14:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1.2	1	01/10/23 09:13	01/10/23 14:27	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	0.49	1	01/10/23 09:13	01/10/23 14:27	127-18-4	
Toluene	6.2	ug/kg	5.9	0.42	1	01/10/23 09:13	01/10/23 14:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	0.95	1	01/10/23 09:13	01/10/23 14:27	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-2 (9-11)**      **Lab ID: 60419376007**      Collected: 01/04/23 15:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B      Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	0.95	1	01/10/23 09:13	01/10/23 14:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	0.89	1	01/10/23 09:13	01/10/23 14:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	0.75	1	01/10/23 09:13	01/10/23 14:27	79-00-5	
Trichloroethene	ND	ug/kg	5.9	0.86	1	01/10/23 09:13	01/10/23 14:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	0.73	1	01/10/23 09:13	01/10/23 14:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	2.5	1	01/10/23 09:13	01/10/23 14:27	96-18-4	
1,2,4-Trimethylbenzene	<b>1.1J</b>	ug/kg	5.9	0.79	1	01/10/23 09:13	01/10/23 14:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	0.74	1	01/10/23 09:13	01/10/23 14:27	108-67-8	
Vinyl chloride	ND	ug/kg	5.9	0.79	1	01/10/23 09:13	01/10/23 14:27	75-01-4	
Xylene (Total)	<b>2.8J</b>	ug/kg	5.9	1.4	1	01/10/23 09:13	01/10/23 14:27	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	98	%	80-120		1	01/10/23 09:13	01/10/23 14:27	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-125		1	01/10/23 09:13	01/10/23 14:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 14:27	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>15.8</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-3 (0-3)**      **Lab ID: 60419376008**      Collected: 01/04/23 15:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	8.1	5.4	1	01/09/23 13:41	01/10/23 10:36		
MRH (C9-C18)	ND	mg/kg	6.1	3.7	1	01/09/23 13:41	01/10/23 10:36		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	87	%	40-140		1	01/09/23 13:41	01/10/23 10:36	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.7	0.23	1	01/10/23 09:11	01/11/23 21:08		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1	01/10/23 09:11	01/11/23 21:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1	01/10/23 09:11	01/11/23 21:08	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>52000</b>	mg/kg	21.7	3.9	1	01/09/23 10:08	01/16/23 15:51	7440-70-2	
Magnesium	<b>3740</b>	mg/kg	5.4	1.7	1	01/09/23 10:08	01/16/23 15:51	7439-95-4	
Potassium	<b>3500</b>	mg/kg	54.4	13.8	1	01/09/23 10:08	01/16/23 15:51	7440-09-7	
Sodium	<b>139</b>	mg/kg	54.4	3.6	1	01/09/23 10:08	01/16/23 15:51	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>16500</b>	mg/kg	54.4	9.6	10	01/09/23 10:08	01/13/23 12:28	7429-90-5	
Antimony	ND	mg/kg	1.1	0.45	10	01/09/23 10:08	01/13/23 12:28	7440-36-0	
Arsenic	<b>13.1</b>	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 12:28	7440-38-2	
Barium	<b>289</b>	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 12:28	7440-39-3	
Beryllium	<b>0.88</b>	mg/kg	0.54	0.045	10	01/09/23 10:08	01/13/23 12:28	7440-41-7	
Cadmium	<b>0.20J</b>	mg/kg	0.54	0.18	10	01/09/23 10:08	01/13/23 12:28	7440-43-9	
Chromium	<b>21.0</b>	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 12:28	7440-47-3	
Cobalt	<b>13.5</b>	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 12:28	7440-48-4	
Copper	<b>22.1</b>	mg/kg	1.1	0.28	10	01/09/23 10:08	01/13/23 12:28	7440-50-8	
Iron	<b>34300</b>	mg/kg	54.4	3.8	10	01/09/23 10:08	01/13/23 12:28	7439-89-6	
Lead	<b>17.9</b>	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 12:28	7439-92-1	
Manganese	<b>1660</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:28	7439-96-5	
Nickel	<b>26.4</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 12:28	7440-02-0	
Selenium	<b>4.4</b>	mg/kg	1.1	0.30	10	01/09/23 10:08	01/13/23 12:28	7782-49-2	
Silver	ND	mg/kg	0.54	0.42	10	01/09/23 10:08	01/13/23 12:28	7440-22-4	
Thallium	ND	mg/kg	1.1	0.44	10	01/09/23 10:08	01/13/23 12:28	7440-28-0	
Vanadium	<b>30.3</b>	mg/kg	1.1	0.66	10	01/09/23 10:08	01/13/23 12:28	7440-62-2	
Zinc	<b>34.4</b>	mg/kg	10.9	1.6	10	01/09/23 10:08	01/13/23 12:28	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.043	0.013	1	01/09/23 10:03	01/10/23 11:41	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-3 (0-3) Lab ID: 60419376008 Collected: 01/04/23 15:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	368	79.2	1	01/09/23 09:26	01/17/23 17:47	83-32-9	
Acenaphthylene	ND	ug/kg	368	60.3	1	01/09/23 09:26	01/17/23 17:47	208-96-8	
Anthracene	ND	ug/kg	368	77.0	1	01/09/23 09:26	01/17/23 17:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	368	77.9	1	01/09/23 09:26	01/17/23 17:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	368	79.3	1	01/09/23 09:26	01/17/23 17:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	368	89.9	1	01/09/23 09:26	01/17/23 17:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	368	64.0	1	01/09/23 09:26	01/17/23 17:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	368	79.3	1	01/09/23 09:26	01/17/23 17:47	207-08-9	
Benzoic Acid	ND	ug/kg	1860	201	1	01/09/23 09:26	01/17/23 17:47	65-85-0	
Benzyl alcohol	ND	ug/kg	737	67.7	1	01/09/23 09:26	01/17/23 17:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	368	79.5	1	01/09/23 09:26	01/17/23 17:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	75.0	1	01/09/23 09:26	01/17/23 17:47	85-68-7	
Carbazole	ND	ug/kg	368	75.8	1	01/09/23 09:26	01/17/23 17:47	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	737	77.3	1	01/09/23 09:26	01/17/23 17:47	59-50-7	
4-Chloroaniline	ND	ug/kg	737	57.7	1	01/09/23 09:26	01/17/23 17:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	73.2	1	01/09/23 09:26	01/17/23 17:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	74.4	1	01/09/23 09:26	01/17/23 17:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	368	79.8	1	01/09/23 09:26	01/17/23 17:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	368	77.6	1	01/09/23 09:26	01/17/23 17:47	91-58-7	
2-Chlorophenol	ND	ug/kg	368	75.2	1	01/09/23 09:26	01/17/23 17:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	79.0	1	01/09/23 09:26	01/17/23 17:47	7005-72-3	
Chrysene	ND	ug/kg	368	82.1	1	01/09/23 09:26	01/17/23 17:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	368	66.2	1	01/09/23 09:26	01/17/23 17:47	53-70-3	
Dibenzofuran	ND	ug/kg	368	78.7	1	01/09/23 09:26	01/17/23 17:47	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	368	73.3	1	01/09/23 09:26	01/17/23 17:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	368	72.0	1	01/09/23 09:26	01/17/23 17:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	368	71.0	1	01/09/23 09:26	01/17/23 17:47	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	737	36.2	1	01/09/23 09:26	01/17/23 17:47	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	368	73.8	1	01/09/23 09:26	01/17/23 17:47	120-83-2	
Diethylphthalate	ND	ug/kg	368	84.2	1	01/09/23 09:26	01/17/23 17:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	53.6	1	01/09/23 09:26	01/17/23 17:47	105-67-9	
Dimethylphthalate	ND	ug/kg	368	76.5	1	01/09/23 09:26	01/17/23 17:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	87.2	1	01/09/23 09:26	01/17/23 17:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	63.7	1	01/09/23 09:26	01/17/23 17:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	111	1	01/09/23 09:26	01/17/23 17:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	82.9	1	01/09/23 09:26	01/17/23 17:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	71.8	1	01/09/23 09:26	01/17/23 17:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	89.6	1	01/09/23 09:26	01/17/23 17:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	82.7	1	01/09/23 09:26	01/17/23 17:47	117-81-7	
Fluoranthene	ND	ug/kg	368	81.2	1	01/09/23 09:26	01/17/23 17:47	206-44-0	
Fluorene	ND	ug/kg	368	78.4	1	01/09/23 09:26	01/17/23 17:47	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	368	78.9	1	01/09/23 09:26	01/17/23 17:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	368	77.0	1	01/09/23 09:26	01/17/23 17:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	368	227	1	01/09/23 09:26	01/17/23 17:47	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-3 (0-3) Lab ID: 60419376008 Collected: 01/04/23 15:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	368	67.5	1	01/09/23 09:26	01/17/23 17:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	368	75.4	1	01/09/23 09:26	01/17/23 17:47	193-39-5	
Isophorone	ND	ug/kg	368	71.2	1	01/09/23 09:26	01/17/23 17:47	78-59-1	
2-Methylnaphthalene	ND	ug/kg	368	74.7	1	01/09/23 09:26	01/17/23 17:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	67.1	1	01/09/23 09:26	01/17/23 17:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	368	68.4	1	01/09/23 09:26	01/17/23 17:47	15831-10-4	
Naphthalene	ND	ug/kg	368	79.3	1	01/09/23 09:26	01/17/23 17:47	91-20-3	
2-Nitroaniline	ND	ug/kg	737	61.1	1	01/09/23 09:26	01/17/23 17:47	88-74-4	
3-Nitroaniline	ND	ug/kg	737	57.4	1	01/09/23 09:26	01/17/23 17:47	99-09-2	
4-Nitroaniline	ND	ug/kg	737	63.1	1	01/09/23 09:26	01/17/23 17:47	100-01-6	
Nitrobenzene	ND	ug/kg	368	78.0	1	01/09/23 09:26	01/17/23 17:47	98-95-3	
2-Nitrophenol	ND	ug/kg	368	57.6	1	01/09/23 09:26	01/17/23 17:47	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	54.3	1	01/09/23 09:26	01/17/23 17:47	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	368	70.2	1	01/09/23 09:26	01/17/23 17:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	73.2	1	01/09/23 09:26	01/17/23 17:47	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	122	1	01/09/23 09:26	01/17/23 17:47	87-86-5	
Phenanthrene	ND	ug/kg	368	78.7	1	01/09/23 09:26	01/17/23 17:47	85-01-8	
Phenol	ND	ug/kg	368	69.3	1	01/09/23 09:26	01/17/23 17:47	108-95-2	
Pyrene	ND	ug/kg	368	78.6	1	01/09/23 09:26	01/17/23 17:47	129-00-0	
Pyridine	ND	ug/kg	368	54.6	1	01/09/23 09:26	01/17/23 17:47	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	368	77.1	1	01/09/23 09:26	01/17/23 17:47	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	368	75.5	1	01/09/23 09:26	01/17/23 17:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	68.1	1	01/09/23 09:26	01/17/23 17:47	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	75	%	30-120		1	01/09/23 09:26	01/17/23 17:47	4165-60-0	
2-Fluorobiphenyl (S)	80	%	40-120		1	01/09/23 09:26	01/17/23 17:47	321-60-8	
Terphenyl-d14 (S)	79	%	45-120		1	01/09/23 09:26	01/17/23 17:47	1718-51-0	
Phenol-d6 (S)	78	%	40-120		1	01/09/23 09:26	01/17/23 17:47	13127-88-3	
2-Fluorophenol (S)	77	%	40-120		1	01/09/23 09:26	01/17/23 17:47	367-12-4	
2,4,6-Tribromophenol (S)	86	%	35-120		1	01/09/23 09:26	01/17/23 17:47	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	186	ug/kg	21.0	17.0	1	01/10/23 09:13	01/10/23 10:22	67-64-1	
Benzene	0.81J	ug/kg	5.3	0.52	1	01/10/23 09:13	01/10/23 10:22	71-43-2	
Bromobenzene	ND	ug/kg	5.3	0.99	1	01/10/23 09:13	01/10/23 10:22	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:22	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:22	75-27-4	
Bromoform	ND	ug/kg	5.3	0.60	1	01/10/23 09:13	01/10/23 10:22	75-25-2	
Bromomethane	ND	ug/kg	5.3	3.1	1	01/10/23 09:13	01/10/23 10:22	74-83-9	
2-Butanone (MEK)	26.6	ug/kg	10.5	3.6	1	01/10/23 09:13	01/10/23 10:22	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 10:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	0.77	1	01/10/23 09:13	01/10/23 10:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.3	0.93	1	01/10/23 09:13	01/10/23 10:22	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-3 (0-3) Lab ID: 60419376008 Collected: 01/04/23 15:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 10:22	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	0.90	1	01/10/23 09:13	01/10/23 10:22	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:22	108-90-7	
Chloroethane	ND	ug/kg	5.3	1.6	1	01/10/23 09:13	01/10/23 10:22	75-00-3	
Chloroform	ND	ug/kg	5.3	0.52	1	01/10/23 09:13	01/10/23 10:22	67-66-3	
Chloromethane	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	0.77	1	01/10/23 09:13	01/10/23 10:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.5	1.9	1	01/10/23 09:13	01/10/23 10:22	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 10:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	0.56	1	01/10/23 09:13	01/10/23 10:22	106-93-4	
Dibromomethane	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	0.76	1	01/10/23 09:13	01/10/23 10:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 10:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 10:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	0.41	1	01/10/23 09:13	01/10/23 10:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	0.42	1	01/10/23 09:13	01/10/23 10:22	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 10:22	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.3	0.67	1	01/10/23 09:13	01/10/23 10:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	0.45	1	01/10/23 09:13	01/10/23 10:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	0.71	1	01/10/23 09:13	01/10/23 10:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.0	1	01/10/23 09:13	01/10/23 10:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	0.73	1	01/10/23 09:13	01/10/23 10:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	0.50	1	01/10/23 09:13	01/10/23 10:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	0.94	1	01/10/23 09:13	01/10/23 10:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	0.56	1	01/10/23 09:13	01/10/23 10:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	0.48	1	01/10/23 09:13	01/10/23 10:22	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	0.49	1	01/10/23 09:13	01/10/23 10:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	0.89	1	01/10/23 09:13	01/10/23 10:22	87-68-3	
2-Hexanone	ND	ug/kg	21.0	2.6	1	01/10/23 09:13	01/10/23 10:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	0.60	1	01/10/23 09:13	01/10/23 10:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	0.72	1	01/10/23 09:13	01/10/23 10:22	99-87-6	
Methylene Chloride	ND	ug/kg	5.3	2.9	1	01/10/23 09:13	01/10/23 10:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.5	3.2	1	01/10/23 09:13	01/10/23 10:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	0.51	1	01/10/23 09:13	01/10/23 10:22	1634-04-4	
Naphthalene	ND	ug/kg	10.5	0.86	1	01/10/23 09:13	01/10/23 10:22	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:22	103-65-1	
Styrene	ND	ug/kg	5.3	0.62	1	01/10/23 09:13	01/10/23 10:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	1	01/10/23 09:13	01/10/23 10:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	1	01/10/23 09:13	01/10/23 10:22	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	0.43	1	01/10/23 09:13	01/10/23 10:22	127-18-4	
Toluene	ND	ug/kg	5.3	0.37	1	01/10/23 09:13	01/10/23 10:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:22	87-61-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-3 (0-3)**      **Lab ID: 60419376008**      Collected: 01/04/23 15:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	0.79	1	01/10/23 09:13	01/10/23 10:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:22	79-00-5	
Trichloroethene	ND	ug/kg	5.3	0.76	1	01/10/23 09:13	01/10/23 10:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	0.65	1	01/10/23 09:13	01/10/23 10:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	2.2	1	01/10/23 09:13	01/10/23 10:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	0.70	1	01/10/23 09:13	01/10/23 10:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:22	108-67-8	
Vinyl chloride	ND	ug/kg	5.3	0.70	1	01/10/23 09:13	01/10/23 10:22	75-01-4	
Xylene (Total)	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 10:22	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 10:22	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-125		1	01/10/23 09:13	01/10/23 10:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	80-120		1	01/10/23 09:13	01/10/23 10:22	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>11.6</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-3 (7-9)**      **Lab ID: 60419376009**      Collected: 01/04/23 16:00      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	8.9	5.9	1	01/09/23 13:41	01/10/23 10:44		
MRH (C9-C18)	ND	mg/kg	6.6	4.0	1	01/09/23 13:41	01/10/23 10:44		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	86	%	40-140		1	01/09/23 13:41	01/10/23 10:44	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	5.8	0.20	1	01/17/23 12:00	01/17/23 17:30		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1	01/17/23 12:00	01/17/23 17:30	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1	01/17/23 12:00	01/17/23 17:30	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>62500</b>	mg/kg	22.6	4.1	1	01/09/23 10:08	01/16/23 15:59	7440-70-2	
Magnesium	<b>14000</b>	mg/kg	5.7	1.7	1	01/09/23 10:08	01/16/23 15:59	7439-95-4	
Potassium	<b>7470</b>	mg/kg	56.6	14.4	1	01/09/23 10:08	01/16/23 15:59	7440-09-7	
Sodium	<b>415</b>	mg/kg	56.6	3.7	1	01/09/23 10:08	01/16/23 15:59	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>21100</b>	mg/kg	56.6	9.9	10	01/09/23 10:08	01/13/23 12:35	7429-90-5	
Antimony	ND	mg/kg	1.1	0.47	10	01/09/23 10:08	01/13/23 12:35	7440-36-0	
Arsenic	<b>1.3</b>	mg/kg	1.1	0.26	10	01/09/23 10:08	01/13/23 12:35	7440-38-2	
Barium	<b>88.5</b>	mg/kg	1.1	0.37	10	01/09/23 10:08	01/13/23 12:35	7440-39-3	
Beryllium	<b>1.1</b>	mg/kg	0.57	0.047	10	01/09/23 10:08	01/13/23 12:35	7440-41-7	
Cadmium	ND	mg/kg	0.57	0.18	10	01/09/23 10:08	01/13/23 12:35	7440-43-9	
Chromium	<b>28.1</b>	mg/kg	1.1	0.24	10	01/09/23 10:08	01/13/23 12:35	7440-47-3	
Cobalt	<b>10.2</b>	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 12:35	7440-48-4	
Copper	<b>9.7</b>	mg/kg	1.1	0.29	10	01/09/23 10:08	01/13/23 12:35	7440-50-8	
Iron	<b>24500</b>	mg/kg	56.6	3.9	10	01/09/23 10:08	01/13/23 12:35	7439-89-6	
Lead	<b>4.7</b>	mg/kg	1.1	0.18	10	01/09/23 10:08	01/13/23 12:35	7439-92-1	
Manganese	<b>869</b>	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 12:35	7439-96-5	
Nickel	<b>31.6</b>	mg/kg	1.1	0.16	10	01/09/23 10:08	01/13/23 12:35	7440-02-0	
Selenium	<b>3.1</b>	mg/kg	1.1	0.31	10	01/09/23 10:08	01/13/23 12:35	7782-49-2	
Silver	ND	mg/kg	0.57	0.44	10	01/09/23 10:08	01/13/23 12:35	7440-22-4	
Thallium	ND	mg/kg	1.1	0.46	10	01/09/23 10:08	01/13/23 12:35	7440-28-0	
Vanadium	<b>28.3</b>	mg/kg	1.1	0.68	10	01/09/23 10:08	01/13/23 12:35	7440-62-2	
Zinc	<b>38.6</b>	mg/kg	11.3	1.7	10	01/09/23 10:08	01/13/23 12:35	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.052	0.016	1	01/09/23 10:03	01/10/23 11:43	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-3 (7-9) Lab ID: 60419376009 Collected: 01/04/23 16:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	364	78.2	1	01/09/23 09:26	01/17/23 18:09	83-32-9	
Acenaphthylene	ND	ug/kg	364	59.6	1	01/09/23 09:26	01/17/23 18:09	208-96-8	
Anthracene	ND	ug/kg	364	76.1	1	01/09/23 09:26	01/17/23 18:09	120-12-7	
Benzo(a)anthracene	ND	ug/kg	364	77.0	1	01/09/23 09:26	01/17/23 18:09	56-55-3	
Benzo(a)pyrene	ND	ug/kg	364	78.3	1	01/09/23 09:26	01/17/23 18:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	364	88.8	1	01/09/23 09:26	01/17/23 18:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	364	63.2	1	01/09/23 09:26	01/17/23 18:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	364	78.3	1	01/09/23 09:26	01/17/23 18:09	207-08-9	
Benzoic Acid	ND	ug/kg	1840	199	1	01/09/23 09:26	01/17/23 18:09	65-85-0	
Benzyl alcohol	ND	ug/kg	728	66.9	1	01/09/23 09:26	01/17/23 18:09	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	364	78.6	1	01/09/23 09:26	01/17/23 18:09	101-55-3	
Butylbenzylphthalate	ND	ug/kg	364	74.1	1	01/09/23 09:26	01/17/23 18:09	85-68-7	
Carbazole	ND	ug/kg	364	74.9	1	01/09/23 09:26	01/17/23 18:09	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	728	76.3	1	01/09/23 09:26	01/17/23 18:09	59-50-7	
4-Chloroaniline	ND	ug/kg	728	57.0	1	01/09/23 09:26	01/17/23 18:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	364	72.4	1	01/09/23 09:26	01/17/23 18:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	364	73.5	1	01/09/23 09:26	01/17/23 18:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	364	78.9	1	01/09/23 09:26	01/17/23 18:09	108-60-1	
2-Chloronaphthalene	ND	ug/kg	364	76.7	1	01/09/23 09:26	01/17/23 18:09	91-58-7	
2-Chlorophenol	ND	ug/kg	364	74.4	1	01/09/23 09:26	01/17/23 18:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	364	78.1	1	01/09/23 09:26	01/17/23 18:09	7005-72-3	
Chrysene	ND	ug/kg	364	81.1	1	01/09/23 09:26	01/17/23 18:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	364	65.4	1	01/09/23 09:26	01/17/23 18:09	53-70-3	
Dibenzofuran	ND	ug/kg	364	77.8	1	01/09/23 09:26	01/17/23 18:09	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	364	72.5	1	01/09/23 09:26	01/17/23 18:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	364	71.2	1	01/09/23 09:26	01/17/23 18:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	364	70.2	1	01/09/23 09:26	01/17/23 18:09	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	728	35.7	1	01/09/23 09:26	01/17/23 18:09	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	364	72.9	1	01/09/23 09:26	01/17/23 18:09	120-83-2	
Diethylphthalate	ND	ug/kg	364	83.2	1	01/09/23 09:26	01/17/23 18:09	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	364	53.0	1	01/09/23 09:26	01/17/23 18:09	105-67-9	
Dimethylphthalate	ND	ug/kg	364	75.6	1	01/09/23 09:26	01/17/23 18:09	131-11-3	
Di-n-butylphthalate	ND	ug/kg	364	86.2	1	01/09/23 09:26	01/17/23 18:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1840	63.0	1	01/09/23 09:26	01/17/23 18:09	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	110	1	01/09/23 09:26	01/17/23 18:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	364	82.0	1	01/09/23 09:26	01/17/23 18:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	364	70.9	1	01/09/23 09:26	01/17/23 18:09	606-20-2	
Di-n-octylphthalate	ND	ug/kg	364	88.6	1	01/09/23 09:26	01/17/23 18:09	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	364	81.8	1	01/09/23 09:26	01/17/23 18:09	117-81-7	
Fluoranthene	ND	ug/kg	364	80.2	1	01/09/23 09:26	01/17/23 18:09	206-44-0	
Fluorene	ND	ug/kg	364	77.4	1	01/09/23 09:26	01/17/23 18:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	364	78.0	1	01/09/23 09:26	01/17/23 18:09	87-68-3	
Hexachlorobenzene	ND	ug/kg	364	76.1	1	01/09/23 09:26	01/17/23 18:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	364	224	1	01/09/23 09:26	01/17/23 18:09	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-3 (7-9) Lab ID: 60419376009 Collected: 01/04/23 16:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	364	66.7	1	01/09/23 09:26	01/17/23 18:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	364	74.5	1	01/09/23 09:26	01/17/23 18:09	193-39-5	
Isophorone	ND	ug/kg	364	70.4	1	01/09/23 09:26	01/17/23 18:09	78-59-1	
2-Methylnaphthalene	ND	ug/kg	364	73.8	1	01/09/23 09:26	01/17/23 18:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	364	66.3	1	01/09/23 09:26	01/17/23 18:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	364	67.6	1	01/09/23 09:26	01/17/23 18:09	15831-10-4	
Naphthalene	ND	ug/kg	364	78.3	1	01/09/23 09:26	01/17/23 18:09	91-20-3	
2-Nitroaniline	ND	ug/kg	728	60.3	1	01/09/23 09:26	01/17/23 18:09	88-74-4	
3-Nitroaniline	ND	ug/kg	728	56.7	1	01/09/23 09:26	01/17/23 18:09	99-09-2	
4-Nitroaniline	ND	ug/kg	728	62.3	1	01/09/23 09:26	01/17/23 18:09	100-01-6	
Nitrobenzene	ND	ug/kg	364	77.1	1	01/09/23 09:26	01/17/23 18:09	98-95-3	
2-Nitrophenol	ND	ug/kg	364	56.9	1	01/09/23 09:26	01/17/23 18:09	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	53.6	1	01/09/23 09:26	01/17/23 18:09	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	364	69.4	1	01/09/23 09:26	01/17/23 18:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	364	72.4	1	01/09/23 09:26	01/17/23 18:09	86-30-6	
Pentachlorophenol	ND	ug/kg	1840	120	1	01/09/23 09:26	01/17/23 18:09	87-86-5	
Phenanthrene	ND	ug/kg	364	77.8	1	01/09/23 09:26	01/17/23 18:09	85-01-8	
Phenol	ND	ug/kg	364	68.5	1	01/09/23 09:26	01/17/23 18:09	108-95-2	
Pyrene	ND	ug/kg	364	77.7	1	01/09/23 09:26	01/17/23 18:09	129-00-0	
Pyridine	ND	ug/kg	364	53.9	1	01/09/23 09:26	01/17/23 18:09	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	364	76.2	1	01/09/23 09:26	01/17/23 18:09	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	364	74.6	1	01/09/23 09:26	01/17/23 18:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	364	67.3	1	01/09/23 09:26	01/17/23 18:09	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	70	%	30-120		1	01/09/23 09:26	01/17/23 18:09	4165-60-0	
2-Fluorobiphenyl (S)	72	%	40-120		1	01/09/23 09:26	01/17/23 18:09	321-60-8	
Terphenyl-d14 (S)	75	%	45-120		1	01/09/23 09:26	01/17/23 18:09	1718-51-0	
Phenol-d6 (S)	72	%	40-120		1	01/09/23 09:26	01/17/23 18:09	13127-88-3	
2-Fluorophenol (S)	72	%	40-120		1	01/09/23 09:26	01/17/23 18:09	367-12-4	
2,4,6-Tribromophenol (S)	82	%	35-120		1	01/09/23 09:26	01/17/23 18:09	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	20.1	16.3	1	01/10/23 09:13	01/10/23 14:43	67-64-1	
Benzene	2.9J	ug/kg	5.0	0.50	1	01/10/23 09:13	01/10/23 14:43	71-43-2	
Bromobenzene	ND	ug/kg	5.0	0.95	1	01/10/23 09:13	01/10/23 14:43	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	0.61	1	01/10/23 09:13	01/10/23 14:43	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	0.61	1	01/10/23 09:13	01/10/23 14:43	75-27-4	
Bromoform	ND	ug/kg	5.0	0.58	1	01/10/23 09:13	01/10/23 14:43	75-25-2	
Bromomethane	ND	ug/kg	5.0	3.0	1	01/10/23 09:13	01/10/23 14:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.1	3.4	1	01/10/23 09:13	01/10/23 14:43	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	0.65	1	01/10/23 09:13	01/10/23 14:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	0.74	1	01/10/23 09:13	01/10/23 14:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.2	0.89	1	01/10/23 09:13	01/10/23 14:43	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-3 (7-9) Lab ID: 60419376009 Collected: 01/04/23 16:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.0	0.65	1	01/10/23 09:13	01/10/23 14:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	0.86	1	01/10/23 09:13	01/10/23 14:43	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	0.63	1	01/10/23 09:13	01/10/23 14:43	108-90-7	
Chloroethane	ND	ug/kg	5.0	1.5	1	01/10/23 09:13	01/10/23 14:43	75-00-3	
Chloroform	ND	ug/kg	5.0	0.50	1	01/10/23 09:13	01/10/23 14:43	67-66-3	
Chloromethane	ND	ug/kg	5.0	0.80	1	01/10/23 09:13	01/10/23 14:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	0.73	1	01/10/23 09:13	01/10/23 14:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	0.60	1	01/10/23 09:13	01/10/23 14:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.1	1.8	1	01/10/23 09:13	01/10/23 14:43	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	0.65	1	01/10/23 09:13	01/10/23 14:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	0.54	1	01/10/23 09:13	01/10/23 14:43	106-93-4	
Dibromomethane	ND	ug/kg	5.0	0.60	1	01/10/23 09:13	01/10/23 14:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	0.63	1	01/10/23 09:13	01/10/23 14:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	0.72	1	01/10/23 09:13	01/10/23 14:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	0.82	1	01/10/23 09:13	01/10/23 14:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1.2	1	01/10/23 09:13	01/10/23 14:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	0.39	1	01/10/23 09:13	01/10/23 14:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	0.40	1	01/10/23 09:13	01/10/23 14:43	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1.1	1	01/10/23 09:13	01/10/23 14:43	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	0.64	1	01/10/23 09:13	01/10/23 14:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	0.43	1	01/10/23 09:13	01/10/23 14:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	0.68	1	01/10/23 09:13	01/10/23 14:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	0.99	1	01/10/23 09:13	01/10/23 14:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	0.70	1	01/10/23 09:13	01/10/23 14:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	0.48	1	01/10/23 09:13	01/10/23 14:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	0.91	1	01/10/23 09:13	01/10/23 14:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	0.53	1	01/10/23 09:13	01/10/23 14:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	0.46	1	01/10/23 09:13	01/10/23 14:43	10061-02-6	
Ethylbenzene	1.4J	ug/kg	5.0	0.47	1	01/10/23 09:13	01/10/23 14:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	0.86	1	01/10/23 09:13	01/10/23 14:43	87-68-3	
2-Hexanone	ND	ug/kg	20.1	2.5	1	01/10/23 09:13	01/10/23 14:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	0.57	1	01/10/23 09:13	01/10/23 14:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	0.69	1	01/10/23 09:13	01/10/23 14:43	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	2.8	1	01/10/23 09:13	01/10/23 14:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.1	3.1	1	01/10/23 09:13	01/10/23 14:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	0.48	1	01/10/23 09:13	01/10/23 14:43	1634-04-4	
Naphthalene	ND	ug/kg	10.1	0.83	1	01/10/23 09:13	01/10/23 14:43	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	0.81	1	01/10/23 09:13	01/10/23 14:43	103-65-1	
Styrene	ND	ug/kg	5.0	0.59	1	01/10/23 09:13	01/10/23 14:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1.0	1	01/10/23 09:13	01/10/23 14:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.0	1	01/10/23 09:13	01/10/23 14:43	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	0.42	1	01/10/23 09:13	01/10/23 14:43	127-18-4	
Toluene	2.9J	ug/kg	5.0	0.35	1	01/10/23 09:13	01/10/23 14:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.80	1	01/10/23 09:13	01/10/23 14:43	87-61-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-3 (7-9)** Lab ID: **60419376009** Collected: 01/04/23 16:00 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.80	1	01/10/23 09:13	01/10/23 14:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	0.75	1	01/10/23 09:13	01/10/23 14:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	0.63	1	01/10/23 09:13	01/10/23 14:43	79-00-5	
Trichloroethene	ND	ug/kg	5.0	0.73	1	01/10/23 09:13	01/10/23 14:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	0.62	1	01/10/23 09:13	01/10/23 14:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	2.2	1	01/10/23 09:13	01/10/23 14:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.67	1	01/10/23 09:13	01/10/23 14:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.63	1	01/10/23 09:13	01/10/23 14:43	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	0.67	1	01/10/23 09:13	01/10/23 14:43	75-01-4	
Xylene (Total)	<b>1.6J</b>	ug/kg	5.0	1.1	1	01/10/23 09:13	01/10/23 14:43	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 14:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-125		1	01/10/23 09:13	01/10/23 14:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 14:43	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>13.4</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-4 (0-3)**      **Lab ID: 60419376010**      Collected: 01/05/23 08:53      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	8.8	5.9	1	01/09/23 13:41	01/10/23 10:53		
MRH (C9-C18)	ND	mg/kg	6.6	4.0	1	01/09/23 13:41	01/10/23 10:53		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	90	%	40-140		1	01/09/23 13:41	01/10/23 10:53	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.2	0.21	1	01/17/23 12:00	01/17/23 17:46		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1	01/17/23 12:00	01/17/23 17:46	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1	01/17/23 12:00	01/17/23 17:46	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>5880</b>	mg/kg	18.4	3.3	1	01/09/23 10:08	01/16/23 16:01	7440-70-2	
Magnesium	<b>3550</b>	mg/kg	4.6	1.4	1	01/09/23 10:08	01/16/23 16:01	7439-95-4	
Potassium	<b>4730</b>	mg/kg	45.9	11.7	1	01/09/23 10:08	01/16/23 16:01	7440-09-7	
Sodium	<b>70.9</b>	mg/kg	45.9	3.0	1	01/09/23 10:08	01/16/23 16:01	7440-23-5	B
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>25100</b>	mg/kg	45.9	8.1	10	01/09/23 10:08	01/13/23 12:38	7429-90-5	
Antimony	ND	mg/kg	0.92	0.38	10	01/09/23 10:08	01/13/23 12:38	7440-36-0	
Arsenic	<b>6.2</b>	mg/kg	0.92	0.21	10	01/09/23 10:08	01/13/23 12:38	7440-38-2	
Barium	<b>234</b>	mg/kg	0.92	0.30	10	01/09/23 10:08	01/13/23 12:38	7440-39-3	
Beryllium	<b>1.0</b>	mg/kg	0.46	0.038	10	01/09/23 10:08	01/13/23 12:38	7440-41-7	
Cadmium	<b>0.24J</b>	mg/kg	0.46	0.15	10	01/09/23 10:08	01/13/23 12:38	7440-43-9	
Chromium	<b>24.0</b>	mg/kg	0.92	0.19	10	01/09/23 10:08	01/13/23 12:38	7440-47-3	
Cobalt	<b>11.1</b>	mg/kg	0.92	0.099	10	01/09/23 10:08	01/13/23 12:38	7440-48-4	
Copper	<b>17.8</b>	mg/kg	0.92	0.23	10	01/09/23 10:08	01/13/23 12:38	7440-50-8	
Iron	<b>23900</b>	mg/kg	45.9	3.2	10	01/09/23 10:08	01/13/23 12:38	7439-89-6	
Lead	<b>18.3</b>	mg/kg	0.92	0.14	10	01/09/23 10:08	01/13/23 12:38	7439-92-1	
Manganese	<b>1050</b>	mg/kg	0.92	0.19	10	01/09/23 10:08	01/13/23 12:38	7439-96-5	
Nickel	<b>25.2</b>	mg/kg	0.92	0.13	10	01/09/23 10:08	01/13/23 12:38	7440-02-0	
Selenium	<b>4.2</b>	mg/kg	0.92	0.25	10	01/09/23 10:08	01/13/23 12:38	7782-49-2	
Silver	ND	mg/kg	0.46	0.35	10	01/09/23 10:08	01/13/23 12:38	7440-22-4	
Thallium	ND	mg/kg	0.92	0.37	10	01/09/23 10:08	01/13/23 12:38	7440-28-0	
Vanadium	<b>33.4</b>	mg/kg	0.92	0.56	10	01/09/23 10:08	01/13/23 12:38	7440-62-2	
Zinc	<b>65.0</b>	mg/kg	9.2	1.4	10	01/09/23 10:08	01/13/23 12:38	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.060	0.018	1	01/09/23 10:03	01/10/23 11:50	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-4 (0-3) Lab ID: 60419376010 Collected: 01/05/23 08:53 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	404	86.7	1	01/09/23 09:26	01/17/23 18:31	83-32-9	
Acenaphthylene	ND	ug/kg	404	66.1	1	01/09/23 09:26	01/17/23 18:31	208-96-8	
Anthracene	ND	ug/kg	404	84.4	1	01/09/23 09:26	01/17/23 18:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	404	85.4	1	01/09/23 09:26	01/17/23 18:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	404	86.9	1	01/09/23 09:26	01/17/23 18:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	404	98.5	1	01/09/23 09:26	01/17/23 18:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	404	70.1	1	01/09/23 09:26	01/17/23 18:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	404	86.9	1	01/09/23 09:26	01/17/23 18:31	207-08-9	
Benzoic Acid	ND	ug/kg	2040	220	1	01/09/23 09:26	01/17/23 18:31	65-85-0	
Benzyl alcohol	ND	ug/kg	807	74.1	1	01/09/23 09:26	01/17/23 18:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	404	87.1	1	01/09/23 09:26	01/17/23 18:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	404	82.2	1	01/09/23 09:26	01/17/23 18:31	85-68-7	
Carbazole	ND	ug/kg	404	83.1	1	01/09/23 09:26	01/17/23 18:31	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	807	84.7	1	01/09/23 09:26	01/17/23 18:31	59-50-7	
4-Chloroaniline	ND	ug/kg	807	63.3	1	01/09/23 09:26	01/17/23 18:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	404	80.3	1	01/09/23 09:26	01/17/23 18:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	404	81.5	1	01/09/23 09:26	01/17/23 18:31	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	404	87.5	1	01/09/23 09:26	01/17/23 18:31	108-60-1	
2-Chloronaphthalene	ND	ug/kg	404	85.0	1	01/09/23 09:26	01/17/23 18:31	91-58-7	
2-Chlorophenol	ND	ug/kg	404	82.5	1	01/09/23 09:26	01/17/23 18:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	404	86.6	1	01/09/23 09:26	01/17/23 18:31	7005-72-3	
Chrysene	ND	ug/kg	404	89.9	1	01/09/23 09:26	01/17/23 18:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	404	72.6	1	01/09/23 09:26	01/17/23 18:31	53-70-3	
Dibenzofuran	ND	ug/kg	404	86.3	1	01/09/23 09:26	01/17/23 18:31	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	404	80.4	1	01/09/23 09:26	01/17/23 18:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	404	78.9	1	01/09/23 09:26	01/17/23 18:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	404	77.8	1	01/09/23 09:26	01/17/23 18:31	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	807	39.6	1	01/09/23 09:26	01/17/23 18:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	404	80.9	1	01/09/23 09:26	01/17/23 18:31	120-83-2	
Diethylphthalate	ND	ug/kg	404	92.2	1	01/09/23 09:26	01/17/23 18:31	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	404	58.7	1	01/09/23 09:26	01/17/23 18:31	105-67-9	
Dimethylphthalate	ND	ug/kg	404	83.8	1	01/09/23 09:26	01/17/23 18:31	131-11-3	
Di-n-butylphthalate	ND	ug/kg	404	95.6	1	01/09/23 09:26	01/17/23 18:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2040	69.9	1	01/09/23 09:26	01/17/23 18:31	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	122	1	01/09/23 09:26	01/17/23 18:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	404	90.9	1	01/09/23 09:26	01/17/23 18:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	404	78.7	1	01/09/23 09:26	01/17/23 18:31	606-20-2	
Di-n-octylphthalate	ND	ug/kg	404	98.2	1	01/09/23 09:26	01/17/23 18:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	404	90.7	1	01/09/23 09:26	01/17/23 18:31	117-81-7	
Fluoranthene	ND	ug/kg	404	88.9	1	01/09/23 09:26	01/17/23 18:31	206-44-0	
Fluorene	ND	ug/kg	404	85.9	1	01/09/23 09:26	01/17/23 18:31	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	404	86.5	1	01/09/23 09:26	01/17/23 18:31	87-68-3	
Hexachlorobenzene	ND	ug/kg	404	84.4	1	01/09/23 09:26	01/17/23 18:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	404	248	1	01/09/23 09:26	01/17/23 18:31	77-47-4	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-4 (0-3)**      **Lab ID: 60419376010**      Collected: 01/05/23 08:53      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	404	74.0	1	01/09/23 09:26	01/17/23 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	404	82.6	1	01/09/23 09:26	01/17/23 18:31	193-39-5	
Isophorone	ND	ug/kg	404	78.1	1	01/09/23 09:26	01/17/23 18:31	78-59-1	
2-Methylnaphthalene	ND	ug/kg	404	81.8	1	01/09/23 09:26	01/17/23 18:31	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	404	73.5	1	01/09/23 09:26	01/17/23 18:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	404	75.0	1	01/09/23 09:26	01/17/23 18:31	15831-10-4	
Naphthalene	ND	ug/kg	404	86.9	1	01/09/23 09:26	01/17/23 18:31	91-20-3	
2-Nitroaniline	ND	ug/kg	807	66.9	1	01/09/23 09:26	01/17/23 18:31	88-74-4	
3-Nitroaniline	ND	ug/kg	807	62.9	1	01/09/23 09:26	01/17/23 18:31	99-09-2	
4-Nitroaniline	ND	ug/kg	807	69.1	1	01/09/23 09:26	01/17/23 18:31	100-01-6	
Nitrobenzene	ND	ug/kg	404	85.5	1	01/09/23 09:26	01/17/23 18:31	98-95-3	
2-Nitrophenol	ND	ug/kg	404	63.1	1	01/09/23 09:26	01/17/23 18:31	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	59.5	1	01/09/23 09:26	01/17/23 18:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	404	77.0	1	01/09/23 09:26	01/17/23 18:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	404	80.3	1	01/09/23 09:26	01/17/23 18:31	86-30-6	
Pentachlorophenol	ND	ug/kg	2040	133	1	01/09/23 09:26	01/17/23 18:31	87-86-5	
Phenanthrene	ND	ug/kg	404	86.3	1	01/09/23 09:26	01/17/23 18:31	85-01-8	
Phenol	ND	ug/kg	404	76.0	1	01/09/23 09:26	01/17/23 18:31	108-95-2	
Pyrene	ND	ug/kg	404	86.1	1	01/09/23 09:26	01/17/23 18:31	129-00-0	
Pyridine	ND	ug/kg	404	59.8	1	01/09/23 09:26	01/17/23 18:31	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	404	84.5	1	01/09/23 09:26	01/17/23 18:31	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	404	82.7	1	01/09/23 09:26	01/17/23 18:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	404	74.6	1	01/09/23 09:26	01/17/23 18:31	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	67	%	30-120		1	01/09/23 09:26	01/17/23 18:31	4165-60-0	
2-Fluorobiphenyl (S)	70	%	40-120		1	01/09/23 09:26	01/17/23 18:31	321-60-8	
Terphenyl-d14 (S)	71	%	45-120		1	01/09/23 09:26	01/17/23 18:31	1718-51-0	
Phenol-d6 (S)	71	%	40-120		1	01/09/23 09:26	01/17/23 18:31	13127-88-3	
2-Fluorophenol (S)	70	%	40-120		1	01/09/23 09:26	01/17/23 18:31	367-12-4	
2,4,6-Tribromophenol (S)	80	%	35-120		1	01/09/23 09:26	01/17/23 18:31	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	<b>77.2</b>	ug/kg	21.4	17.4	1	01/10/23 09:13	01/10/23 10:39	67-64-1	
Benzene	ND	ug/kg	5.4	0.53	1	01/10/23 09:13	01/10/23 10:39	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1.0	1	01/10/23 09:13	01/10/23 10:39	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 10:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 10:39	75-27-4	
Bromoform	ND	ug/kg	5.4	0.62	1	01/10/23 09:13	01/10/23 10:39	75-25-2	
Bromomethane	ND	ug/kg	5.4	3.2	1	01/10/23 09:13	01/10/23 10:39	74-83-9	
2-Butanone (MEK)	<b>10.1J</b>	ug/kg	10.7	3.7	1	01/10/23 09:13	01/10/23 10:39	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	0.70	1	01/10/23 09:13	01/10/23 10:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	0.78	1	01/10/23 09:13	01/10/23 10:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.8	0.95	1	01/10/23 09:13	01/10/23 10:39	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-4 (0-3) Lab ID: 60419376010 Collected: 01/05/23 08:53 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.4	0.69	1	01/10/23 09:13	01/10/23 10:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	0.92	1	01/10/23 09:13	01/10/23 10:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 10:39	108-90-7	
Chloroethane	ND	ug/kg	5.4	1.6	1	01/10/23 09:13	01/10/23 10:39	75-00-3	
Chloroform	ND	ug/kg	5.4	0.53	1	01/10/23 09:13	01/10/23 10:39	67-66-3	
Chloromethane	ND	ug/kg	5.4	0.86	1	01/10/23 09:13	01/10/23 10:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	0.78	1	01/10/23 09:13	01/10/23 10:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 10:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.7	2.0	1	01/10/23 09:13	01/10/23 10:39	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	0.69	1	01/10/23 09:13	01/10/23 10:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	0.57	1	01/10/23 09:13	01/10/23 10:39	106-93-4	
Dibromomethane	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 10:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 10:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	0.77	1	01/10/23 09:13	01/10/23 10:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	0.87	1	01/10/23 09:13	01/10/23 10:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.4	1.3	1	01/10/23 09:13	01/10/23 10:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	0.42	1	01/10/23 09:13	01/10/23 10:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	0.43	1	01/10/23 09:13	01/10/23 10:39	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.4	1.2	1	01/10/23 09:13	01/10/23 10:39	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.4	0.68	1	01/10/23 09:13	01/10/23 10:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	0.46	1	01/10/23 09:13	01/10/23 10:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	0.73	1	01/10/23 09:13	01/10/23 10:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.0	1	01/10/23 09:13	01/10/23 10:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	0.74	1	01/10/23 09:13	01/10/23 10:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	0.51	1	01/10/23 09:13	01/10/23 10:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	0.96	1	01/10/23 09:13	01/10/23 10:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	0.57	1	01/10/23 09:13	01/10/23 10:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	0.49	1	01/10/23 09:13	01/10/23 10:39	10061-02-6	
Ethylbenzene	ND	ug/kg	5.4	0.50	1	01/10/23 09:13	01/10/23 10:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	0.91	1	01/10/23 09:13	01/10/23 10:39	87-68-3	
2-Hexanone	ND	ug/kg	21.4	2.7	1	01/10/23 09:13	01/10/23 10:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	0.61	1	01/10/23 09:13	01/10/23 10:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	0.74	1	01/10/23 09:13	01/10/23 10:39	99-87-6	
Methylene Chloride	ND	ug/kg	5.4	2.9	1	01/10/23 09:13	01/10/23 10:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.7	3.2	1	01/10/23 09:13	01/10/23 10:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	0.52	1	01/10/23 09:13	01/10/23 10:39	1634-04-4	
Naphthalene	ND	ug/kg	10.7	0.88	1	01/10/23 09:13	01/10/23 10:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	0.86	1	01/10/23 09:13	01/10/23 10:39	103-65-1	
Styrene	ND	ug/kg	5.4	0.63	1	01/10/23 09:13	01/10/23 10:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	1	01/10/23 09:13	01/10/23 10:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	1	01/10/23 09:13	01/10/23 10:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	0.44	1	01/10/23 09:13	01/10/23 10:39	127-18-4	
Toluene	ND	ug/kg	5.4	0.38	1	01/10/23 09:13	01/10/23 10:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	0.85	1	01/10/23 09:13	01/10/23 10:39	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-4 (0-3)**      **Lab ID: 60419376010**      Collected: 01/05/23 08:53      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	0.85	1	01/10/23 09:13	01/10/23 10:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	0.80	1	01/10/23 09:13	01/10/23 10:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	0.68	1	01/10/23 09:13	01/10/23 10:39	79-00-5	
Trichloroethene	ND	ug/kg	5.4	0.78	1	01/10/23 09:13	01/10/23 10:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	0.66	1	01/10/23 09:13	01/10/23 10:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	2.3	1	01/10/23 09:13	01/10/23 10:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	0.72	1	01/10/23 09:13	01/10/23 10:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 10:39	108-67-8	
Vinyl chloride	ND	ug/kg	5.4	0.71	1	01/10/23 09:13	01/10/23 10:39	75-01-4	
Xylene (Total)	ND	ug/kg	5.4	1.2	1	01/10/23 09:13	01/10/23 10:39	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	95	%	80-120		1	01/10/23 09:13	01/10/23 10:39	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125		1	01/10/23 09:13	01/10/23 10:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 10:39	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>18.7</b>	%	0.50	0.50	1		01/09/23 11:40
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-4 (19-21) Lab ID: 60419376011 Collected: 01/05/23 09:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	15.7	mg/kg	8.5	5.7	1	01/09/23 13:41	01/10/23 11:01		
MRH (C9-C18)	ND	mg/kg	6.4	3.9	1	01/09/23 13:41	01/10/23 11:01		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	90	%	40-140		1	01/09/23 13:41	01/10/23 11:01	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	0.23J	mg/kg	5.7	0.19	1	01/10/23 09:11	01/11/23 22:27		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1	01/10/23 09:11	01/11/23 22:27	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1	01/10/23 09:11	01/11/23 22:27	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	1300	mg/kg	18.6	3.4	1	01/09/23 10:08	01/16/23 16:03	7440-70-2	
Magnesium	6270	mg/kg	4.7	1.4	1	01/09/23 10:08	01/16/23 16:03	7439-95-4	
Potassium	3200	mg/kg	46.6	11.8	1	01/09/23 10:08	01/16/23 16:03	7440-09-7	
Sodium	257	mg/kg	46.6	3.1	1	01/09/23 10:08	01/16/23 16:03	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	21500	mg/kg	46.6	8.2	10	01/09/23 10:08	01/13/23 12:42	7429-90-5	
Antimony	ND	mg/kg	0.93	0.39	10	01/09/23 10:08	01/13/23 12:42	7440-36-0	
Arsenic	33.4	mg/kg	0.93	0.21	10	01/09/23 10:08	01/13/23 12:42	7440-38-2	
Barium	119	mg/kg	0.93	0.30	10	01/09/23 10:08	01/13/23 12:42	7440-39-3	
Beryllium	0.83	mg/kg	0.47	0.039	10	01/09/23 10:08	01/13/23 12:42	7440-41-7	
Cadmium	ND	mg/kg	0.47	0.15	10	01/09/23 10:08	01/13/23 12:42	7440-43-9	
Chromium	29.0	mg/kg	0.93	0.19	10	01/09/23 10:08	01/13/23 12:42	7440-47-3	
Cobalt	21.6	mg/kg	0.93	0.10	10	01/09/23 10:08	01/13/23 12:42	7440-48-4	
Copper	38.9	mg/kg	0.93	0.24	10	01/09/23 10:08	01/13/23 12:42	7440-50-8	
Iron	36400	mg/kg	46.6	3.2	10	01/09/23 10:08	01/13/23 12:42	7439-89-6	
Lead	39.4	mg/kg	0.93	0.14	10	01/09/23 10:08	01/13/23 12:42	7439-92-1	
Manganese	163	mg/kg	0.93	0.19	10	01/09/23 10:08	01/13/23 12:42	7439-96-5	
Nickel	52.2	mg/kg	0.93	0.13	10	01/09/23 10:08	01/13/23 12:42	7440-02-0	
Selenium	2.4	mg/kg	0.93	0.26	10	01/09/23 10:08	01/13/23 12:42	7782-49-2	
Silver	ND	mg/kg	0.47	0.36	10	01/09/23 10:08	01/13/23 12:42	7440-22-4	
Thallium	ND	mg/kg	0.93	0.38	10	01/09/23 10:08	01/13/23 12:42	7440-28-0	
Vanadium	22.7	mg/kg	0.93	0.56	10	01/09/23 10:08	01/13/23 12:42	7440-62-2	
Zinc	71.3	mg/kg	9.3	1.4	10	01/09/23 10:08	01/13/23 12:42	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	0.064	mg/kg	0.048	0.014	1	01/09/23 10:03	01/10/23 11:53	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-4 (19-21) Lab ID: 60419376011 Collected: 01/05/23 09:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	376	80.9	1	01/09/23 09:26	01/18/23 11:12	83-32-9	
Acenaphthylene	ND	ug/kg	376	61.6	1	01/09/23 09:26	01/18/23 11:12	208-96-8	
Anthracene	ND	ug/kg	376	78.7	1	01/09/23 09:26	01/18/23 11:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	376	79.6	1	01/09/23 09:26	01/18/23 11:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	376	81.0	1	01/09/23 09:26	01/18/23 11:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	376	91.8	1	01/09/23 09:26	01/18/23 11:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	376	65.3	1	01/09/23 09:26	01/18/23 11:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	376	81.0	1	01/09/23 09:26	01/18/23 11:12	207-08-9	
Benzoic Acid	ND	ug/kg	1900	205	1	01/09/23 09:26	01/18/23 11:12	65-85-0	
Benzyl alcohol	ND	ug/kg	753	69.1	1	01/09/23 09:26	01/18/23 11:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	376	81.2	1	01/09/23 09:26	01/18/23 11:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	376	76.6	1	01/09/23 09:26	01/18/23 11:12	85-68-7	
Carbazole	ND	ug/kg	376	77.4	1	01/09/23 09:26	01/18/23 11:12	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	753	78.9	1	01/09/23 09:26	01/18/23 11:12	59-50-7	
4-Chloroaniline	ND	ug/kg	753	59.0	1	01/09/23 09:26	01/18/23 11:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	376	74.8	1	01/09/23 09:26	01/18/23 11:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	376	75.9	1	01/09/23 09:26	01/18/23 11:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	376	81.5	1	01/09/23 09:26	01/18/23 11:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	376	79.3	1	01/09/23 09:26	01/18/23 11:12	91-58-7	
2-Chlorophenol	ND	ug/kg	376	76.9	1	01/09/23 09:26	01/18/23 11:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	376	80.7	1	01/09/23 09:26	01/18/23 11:12	7005-72-3	
Chrysene	ND	ug/kg	376	83.8	1	01/09/23 09:26	01/18/23 11:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	376	67.6	1	01/09/23 09:26	01/18/23 11:12	53-70-3	
Dibenzofuran	ND	ug/kg	376	80.4	1	01/09/23 09:26	01/18/23 11:12	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	376	74.9	1	01/09/23 09:26	01/18/23 11:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	376	73.6	1	01/09/23 09:26	01/18/23 11:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	376	72.5	1	01/09/23 09:26	01/18/23 11:12	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	753	36.9	1	01/09/23 09:26	01/18/23 11:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	376	75.4	1	01/09/23 09:26	01/18/23 11:12	120-83-2	
Diethylphthalate	ND	ug/kg	376	86.0	1	01/09/23 09:26	01/18/23 11:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	376	54.7	1	01/09/23 09:26	01/18/23 11:12	105-67-9	
Dimethylphthalate	ND	ug/kg	376	78.1	1	01/09/23 09:26	01/18/23 11:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	376	89.1	1	01/09/23 09:26	01/18/23 11:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1900	65.1	1	01/09/23 09:26	01/18/23 11:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	114	1	01/09/23 09:26	01/18/23 11:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	376	84.7	1	01/09/23 09:26	01/18/23 11:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	376	73.3	1	01/09/23 09:26	01/18/23 11:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	376	91.6	1	01/09/23 09:26	01/18/23 11:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	376	84.5	1	01/09/23 09:26	01/18/23 11:12	117-81-7	
Fluoranthene	ND	ug/kg	376	82.9	1	01/09/23 09:26	01/18/23 11:12	206-44-0	
Fluorene	ND	ug/kg	376	80.1	1	01/09/23 09:26	01/18/23 11:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	376	80.6	1	01/09/23 09:26	01/18/23 11:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	376	78.7	1	01/09/23 09:26	01/18/23 11:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	376	231	1	01/09/23 09:26	01/18/23 11:12	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-4 (19-21) Lab ID: 60419376011 Collected: 01/05/23 09:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	376	69.0	1	01/09/23 09:26	01/18/23 11:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	376	77.0	1	01/09/23 09:26	01/18/23 11:12	193-39-5	
Isophorone	ND	ug/kg	376	72.8	1	01/09/23 09:26	01/18/23 11:12	78-59-1	
2-Methylnaphthalene	ND	ug/kg	376	76.3	1	01/09/23 09:26	01/18/23 11:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	376	68.5	1	01/09/23 09:26	01/18/23 11:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	376	69.9	1	01/09/23 09:26	01/18/23 11:12	15831-10-4	
Naphthalene	ND	ug/kg	376	81.0	1	01/09/23 09:26	01/18/23 11:12	91-20-3	
2-Nitroaniline	ND	ug/kg	753	62.4	1	01/09/23 09:26	01/18/23 11:12	88-74-4	
3-Nitroaniline	ND	ug/kg	753	58.6	1	01/09/23 09:26	01/18/23 11:12	99-09-2	
4-Nitroaniline	ND	ug/kg	753	64.4	1	01/09/23 09:26	01/18/23 11:12	100-01-6	
Nitrobenzene	ND	ug/kg	376	79.7	1	01/09/23 09:26	01/18/23 11:12	98-95-3	
2-Nitrophenol	ND	ug/kg	376	58.8	1	01/09/23 09:26	01/18/23 11:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	55.4	1	01/09/23 09:26	01/18/23 11:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	376	71.7	1	01/09/23 09:26	01/18/23 11:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	376	74.8	1	01/09/23 09:26	01/18/23 11:12	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	124	1	01/09/23 09:26	01/18/23 11:12	87-86-5	
Phenanthrene	ND	ug/kg	376	80.4	1	01/09/23 09:26	01/18/23 11:12	85-01-8	
Phenol	ND	ug/kg	376	70.8	1	01/09/23 09:26	01/18/23 11:12	108-95-2	
Pyrene	ND	ug/kg	376	80.3	1	01/09/23 09:26	01/18/23 11:12	129-00-0	
Pyridine	ND	ug/kg	376	55.8	1	01/09/23 09:26	01/18/23 11:12	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	376	78.8	1	01/09/23 09:26	01/18/23 11:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	376	77.1	1	01/09/23 09:26	01/18/23 11:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	376	69.6	1	01/09/23 09:26	01/18/23 11:12	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	82	%	30-120		1	01/09/23 09:26	01/18/23 11:12	4165-60-0	
2-Fluorobiphenyl (S)	73	%	40-120		1	01/09/23 09:26	01/18/23 11:12	321-60-8	
Terphenyl-d14 (S)	75	%	45-120		1	01/09/23 09:26	01/18/23 11:12	1718-51-0	
Phenol-d6 (S)	77	%	40-120		1	01/09/23 09:26	01/18/23 11:12	13127-88-3	
2-Fluorophenol (S)	75	%	40-120		1	01/09/23 09:26	01/18/23 11:12	367-12-4	
2,4,6-Tribromophenol (S)	75	%	35-120		1	01/09/23 09:26	01/18/23 11:12	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	23.3	ug/kg	21.1	17.1	1	01/10/23 09:13	01/10/23 10:55	67-64-1	
Benzene	ND	ug/kg	5.3	0.52	1	01/10/23 09:13	01/10/23 10:55	71-43-2	
Bromobenzene	ND	ug/kg	5.3	0.99	1	01/10/23 09:13	01/10/23 10:55	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:55	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:55	75-27-4	
Bromoform	ND	ug/kg	5.3	0.61	1	01/10/23 09:13	01/10/23 10:55	75-25-2	
Bromomethane	ND	ug/kg	5.3	3.1	1	01/10/23 09:13	01/10/23 10:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.5	3.6	1	01/10/23 09:13	01/10/23 10:55	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 10:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	0.77	1	01/10/23 09:13	01/10/23 10:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.3	0.93	1	01/10/23 09:13	01/10/23 10:55	98-06-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-4 (19-21) Lab ID: 60419376011 Collected: 01/05/23 09:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 10:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	0.90	1	01/10/23 09:13	01/10/23 10:55	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:55	108-90-7	
Chloroethane	ND	ug/kg	5.3	1.6	1	01/10/23 09:13	01/10/23 10:55	75-00-3	
Chloroform	ND	ug/kg	5.3	0.52	1	01/10/23 09:13	01/10/23 10:55	67-66-3	
Chloromethane	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	0.77	1	01/10/23 09:13	01/10/23 10:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.5	1.9	1	01/10/23 09:13	01/10/23 10:55	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 10:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	0.56	1	01/10/23 09:13	01/10/23 10:55	106-93-4	
Dibromomethane	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 10:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	0.76	1	01/10/23 09:13	01/10/23 10:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 10:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 10:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	0.41	1	01/10/23 09:13	01/10/23 10:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	0.42	1	01/10/23 09:13	01/10/23 10:55	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 10:55	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.3	0.67	1	01/10/23 09:13	01/10/23 10:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	0.45	1	01/10/23 09:13	01/10/23 10:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	0.71	1	01/10/23 09:13	01/10/23 10:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.0	1	01/10/23 09:13	01/10/23 10:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	0.73	1	01/10/23 09:13	01/10/23 10:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	0.50	1	01/10/23 09:13	01/10/23 10:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	0.95	1	01/10/23 09:13	01/10/23 10:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	0.56	1	01/10/23 09:13	01/10/23 10:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	0.48	1	01/10/23 09:13	01/10/23 10:55	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	0.49	1	01/10/23 09:13	01/10/23 10:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	0.90	1	01/10/23 09:13	01/10/23 10:55	87-68-3	
2-Hexanone	ND	ug/kg	21.1	2.6	1	01/10/23 09:13	01/10/23 10:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	0.60	1	01/10/23 09:13	01/10/23 10:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	0.72	1	01/10/23 09:13	01/10/23 10:55	99-87-6	
Methylene Chloride	ND	ug/kg	5.3	2.9	1	01/10/23 09:13	01/10/23 10:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.5	3.2	1	01/10/23 09:13	01/10/23 10:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	0.51	1	01/10/23 09:13	01/10/23 10:55	1634-04-4	
Naphthalene	ND	ug/kg	10.5	0.86	1	01/10/23 09:13	01/10/23 10:55	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 10:55	103-65-1	
Styrene	ND	ug/kg	5.3	0.62	1	01/10/23 09:13	01/10/23 10:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	1	01/10/23 09:13	01/10/23 10:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	1	01/10/23 09:13	01/10/23 10:55	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	0.43	1	01/10/23 09:13	01/10/23 10:55	127-18-4	
Toluene	ND	ug/kg	5.3	0.37	1	01/10/23 09:13	01/10/23 10:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:55	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-4 (19-21)** Lab ID: **60419376011** Collected: 01/05/23 09:20 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	0.84	1	01/10/23 09:13	01/10/23 10:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	0.79	1	01/10/23 09:13	01/10/23 10:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:55	79-00-5	
Trichloroethene	ND	ug/kg	5.3	0.76	1	01/10/23 09:13	01/10/23 10:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	0.65	1	01/10/23 09:13	01/10/23 10:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	2.3	1	01/10/23 09:13	01/10/23 10:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	0.71	1	01/10/23 09:13	01/10/23 10:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 10:55	108-67-8	
Vinyl chloride	ND	ug/kg	5.3	0.70	1	01/10/23 09:13	01/10/23 10:55	75-01-4	
Xylene (Total)	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 10:55	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	103	%	80-120		1	01/10/23 09:13	01/10/23 10:55	2037-26-5	
4-Bromofluorobenzene (S)	110	%	80-125		1	01/10/23 09:13	01/10/23 10:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 10:55	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>13.5</b>	%	0.50	0.50	1		01/09/23 11:40		
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-5 (0-3)**      **Lab ID: 60419376012**      Collected: 01/05/23 10:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.3	6.2	1	01/09/23 13:41	01/10/23 15:58		
MRH (C9-C18)	ND	mg/kg	7.0	4.2	1	01/09/23 13:41	01/10/23 15:58		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	84	%	40-140		1	01/09/23 13:41	01/10/23 15:58	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	7.3	0.25	1	01/10/23 09:11	01/11/23 22:42		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1	01/10/23 09:11	01/11/23 22:42	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1	01/10/23 09:11	01/11/23 22:42	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>2930</b>	mg/kg	23.9	4.3	1	01/09/23 10:08	01/16/23 16:05	7440-70-2	
Magnesium	<b>5890</b>	mg/kg	6.0	1.8	1	01/09/23 10:08	01/16/23 16:05	7439-95-4	
Potassium	<b>5710</b>	mg/kg	59.8	15.2	1	01/09/23 10:08	01/16/23 16:05	7440-09-7	
Sodium	<b>272</b>	mg/kg	59.8	3.9	1	01/09/23 10:08	01/16/23 16:05	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>43600</b>	mg/kg	59.8	10.5	10	01/09/23 10:08	01/13/23 12:45	7429-90-5	
Antimony	ND	mg/kg	1.2	0.50	10	01/09/23 10:08	01/13/23 12:45	7440-36-0	
Arsenic	<b>7.7</b>	mg/kg	1.2	0.28	10	01/09/23 10:08	01/13/23 12:45	7440-38-2	
Barium	<b>259</b>	mg/kg	1.2	0.39	10	01/09/23 10:08	01/13/23 12:45	7440-39-3	
Beryllium	<b>1.4</b>	mg/kg	0.60	0.050	10	01/09/23 10:08	01/13/23 12:45	7440-41-7	
Cadmium	ND	mg/kg	0.60	0.19	10	01/09/23 10:08	01/13/23 12:45	7440-43-9	
Chromium	<b>36.7</b>	mg/kg	1.2	0.25	10	01/09/23 10:08	01/13/23 12:45	7440-47-3	
Cobalt	<b>10.5</b>	mg/kg	1.2	0.13	10	01/09/23 10:08	01/13/23 12:45	7440-48-4	
Copper	<b>18.4</b>	mg/kg	1.2	0.30	10	01/09/23 10:08	01/13/23 12:45	7440-50-8	
Iron	<b>32600</b>	mg/kg	59.8	4.2	10	01/09/23 10:08	01/13/23 12:45	7439-89-6	
Lead	<b>14.3</b>	mg/kg	1.2	0.19	10	01/09/23 10:08	01/13/23 12:45	7439-92-1	
Manganese	<b>681</b>	mg/kg	1.2	0.25	10	01/09/23 10:08	01/13/23 12:45	7439-96-5	
Nickel	<b>30.4</b>	mg/kg	1.2	0.17	10	01/09/23 10:08	01/13/23 12:45	7440-02-0	
Selenium	<b>4.3</b>	mg/kg	1.2	0.33	10	01/09/23 10:08	01/13/23 12:45	7782-49-2	
Silver	ND	mg/kg	0.60	0.46	10	01/09/23 10:08	01/13/23 12:45	7440-22-4	
Thallium	ND	mg/kg	1.2	0.49	10	01/09/23 10:08	01/13/23 12:45	7440-28-0	
Vanadium	<b>47.0</b>	mg/kg	1.2	0.72	10	01/09/23 10:08	01/13/23 12:45	7440-62-2	
Zinc	<b>56.0</b>	mg/kg	12.0	1.8	10	01/09/23 10:08	01/13/23 12:45	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.058	0.017	1	01/09/23 10:03	01/10/23 11:55	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-5 (0-3) Lab ID: 60419376012 Collected: 01/05/23 10:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	394	84.7	1	01/09/23 09:26	01/18/23 11:34	83-32-9	
Acenaphthylene	ND	ug/kg	394	64.5	1	01/09/23 09:26	01/18/23 11:34	208-96-8	
Anthracene	ND	ug/kg	394	82.5	1	01/09/23 09:26	01/18/23 11:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	394	83.4	1	01/09/23 09:26	01/18/23 11:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	394	84.8	1	01/09/23 09:26	01/18/23 11:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	394	96.2	1	01/09/23 09:26	01/18/23 11:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	394	68.5	1	01/09/23 09:26	01/18/23 11:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	394	84.8	1	01/09/23 09:26	01/18/23 11:34	207-08-9	
Benzoic Acid	ND	ug/kg	2000	215	1	01/09/23 09:26	01/18/23 11:34	65-85-0	
Benzyl alcohol	ND	ug/kg	789	72.4	1	01/09/23 09:26	01/18/23 11:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	394	85.1	1	01/09/23 09:26	01/18/23 11:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	394	80.3	1	01/09/23 09:26	01/18/23 11:34	85-68-7	
Carbazole	ND	ug/kg	394	81.1	1	01/09/23 09:26	01/18/23 11:34	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	789	82.7	1	01/09/23 09:26	01/18/23 11:34	59-50-7	
4-Chloroaniline	ND	ug/kg	789	61.8	1	01/09/23 09:26	01/18/23 11:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	394	78.4	1	01/09/23 09:26	01/18/23 11:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	394	79.6	1	01/09/23 09:26	01/18/23 11:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	394	85.4	1	01/09/23 09:26	01/18/23 11:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	394	83.1	1	01/09/23 09:26	01/18/23 11:34	91-58-7	
2-Chlorophenol	ND	ug/kg	394	80.5	1	01/09/23 09:26	01/18/23 11:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	394	84.6	1	01/09/23 09:26	01/18/23 11:34	7005-72-3	
Chrysene	ND	ug/kg	394	87.8	1	01/09/23 09:26	01/18/23 11:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	394	70.9	1	01/09/23 09:26	01/18/23 11:34	53-70-3	
Dibenzofuran	ND	ug/kg	394	84.2	1	01/09/23 09:26	01/18/23 11:34	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	394	78.5	1	01/09/23 09:26	01/18/23 11:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	394	77.1	1	01/09/23 09:26	01/18/23 11:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	394	76.0	1	01/09/23 09:26	01/18/23 11:34	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	789	38.7	1	01/09/23 09:26	01/18/23 11:34	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	394	79.0	1	01/09/23 09:26	01/18/23 11:34	120-83-2	
Diethylphthalate	ND	ug/kg	394	90.1	1	01/09/23 09:26	01/18/23 11:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	394	57.4	1	01/09/23 09:26	01/18/23 11:34	105-67-9	
Dimethylphthalate	ND	ug/kg	394	81.9	1	01/09/23 09:26	01/18/23 11:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	394	93.3	1	01/09/23 09:26	01/18/23 11:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2000	68.2	1	01/09/23 09:26	01/18/23 11:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	119	1	01/09/23 09:26	01/18/23 11:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	394	88.8	1	01/09/23 09:26	01/18/23 11:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	394	76.8	1	01/09/23 09:26	01/18/23 11:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	394	96.0	1	01/09/23 09:26	01/18/23 11:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	394	88.6	1	01/09/23 09:26	01/18/23 11:34	117-81-7	
Fluoranthene	ND	ug/kg	394	86.9	1	01/09/23 09:26	01/18/23 11:34	206-44-0	
Fluorene	ND	ug/kg	394	83.9	1	01/09/23 09:26	01/18/23 11:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	394	84.5	1	01/09/23 09:26	01/18/23 11:34	87-68-3	
Hexachlorobenzene	ND	ug/kg	394	82.5	1	01/09/23 09:26	01/18/23 11:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	394	243	1	01/09/23 09:26	01/18/23 11:34	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-5 (0-3)**      **Lab ID: 60419376012**      Collected: 01/05/23 10:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	394	72.3	1	01/09/23 09:26	01/18/23 11:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	394	80.7	1	01/09/23 09:26	01/18/23 11:34	193-39-5	
Isophorone	ND	ug/kg	394	76.2	1	01/09/23 09:26	01/18/23 11:34	78-59-1	
2-Methylnaphthalene	ND	ug/kg	394	79.9	1	01/09/23 09:26	01/18/23 11:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	394	71.8	1	01/09/23 09:26	01/18/23 11:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	394	73.3	1	01/09/23 09:26	01/18/23 11:34	15831-10-4	
Naphthalene	ND	ug/kg	394	84.8	1	01/09/23 09:26	01/18/23 11:34	91-20-3	
2-Nitroaniline	ND	ug/kg	789	65.4	1	01/09/23 09:26	01/18/23 11:34	88-74-4	
3-Nitroaniline	ND	ug/kg	789	61.4	1	01/09/23 09:26	01/18/23 11:34	99-09-2	
4-Nitroaniline	ND	ug/kg	789	67.5	1	01/09/23 09:26	01/18/23 11:34	100-01-6	
Nitrobenzene	ND	ug/kg	394	83.5	1	01/09/23 09:26	01/18/23 11:34	98-95-3	
2-Nitrophenol	ND	ug/kg	394	61.7	1	01/09/23 09:26	01/18/23 11:34	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	58.1	1	01/09/23 09:26	01/18/23 11:34	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	394	75.2	1	01/09/23 09:26	01/18/23 11:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	394	78.4	1	01/09/23 09:26	01/18/23 11:34	86-30-6	
Pentachlorophenol	ND	ug/kg	2000	130	1	01/09/23 09:26	01/18/23 11:34	87-86-5	
Phenanthrene	ND	ug/kg	394	84.2	1	01/09/23 09:26	01/18/23 11:34	85-01-8	
Phenol	ND	ug/kg	394	74.2	1	01/09/23 09:26	01/18/23 11:34	108-95-2	
Pyrene	ND	ug/kg	394	84.1	1	01/09/23 09:26	01/18/23 11:34	129-00-0	
Pyridine	ND	ug/kg	394	58.4	1	01/09/23 09:26	01/18/23 11:34	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	394	82.6	1	01/09/23 09:26	01/18/23 11:34	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	394	80.8	1	01/09/23 09:26	01/18/23 11:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	394	72.9	1	01/09/23 09:26	01/18/23 11:34	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	81	%	30-120		1	01/09/23 09:26	01/18/23 11:34	4165-60-0	
2-Fluorobiphenyl (S)	73	%	40-120		1	01/09/23 09:26	01/18/23 11:34	321-60-8	
Terphenyl-d14 (S)	76	%	45-120		1	01/09/23 09:26	01/18/23 11:34	1718-51-0	
Phenol-d6 (S)	77	%	40-120		1	01/09/23 09:26	01/18/23 11:34	13127-88-3	
2-Fluorophenol (S)	74	%	40-120		1	01/09/23 09:26	01/18/23 11:34	367-12-4	
2,4,6-Tribromophenol (S)	84	%	35-120		1	01/09/23 09:26	01/18/23 11:34	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	135	ug/kg	22.9	18.6	1	01/10/23 09:13	01/10/23 11:12	67-64-1	
Benzene	ND	ug/kg	5.7	0.56	1	01/10/23 09:13	01/10/23 11:12	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1.1	1	01/10/23 09:13	01/10/23 11:12	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	0.69	1	01/10/23 09:13	01/10/23 11:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	0.69	1	01/10/23 09:13	01/10/23 11:12	75-27-4	
Bromoform	ND	ug/kg	5.7	0.66	1	01/10/23 09:13	01/10/23 11:12	75-25-2	
Bromomethane	ND	ug/kg	5.7	3.4	1	01/10/23 09:13	01/10/23 11:12	74-83-9	
2-Butanone (MEK)	13.0	ug/kg	11.5	3.9	1	01/10/23 09:13	01/10/23 11:12	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	0.74	1	01/10/23 09:13	01/10/23 11:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	0.84	1	01/10/23 09:13	01/10/23 11:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	28.6	1.0	1	01/10/23 09:13	01/10/23 11:12	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-5 (0-3) Lab ID: 60419376012 Collected: 01/05/23 10:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.7	0.74	1	01/10/23 09:13	01/10/23 11:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	0.98	1	01/10/23 09:13	01/10/23 11:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	0.72	1	01/10/23 09:13	01/10/23 11:12	108-90-7	
Chloroethane	ND	ug/kg	5.7	1.7	1	01/10/23 09:13	01/10/23 11:12	75-00-3	
Chloroform	ND	ug/kg	5.7	0.56	1	01/10/23 09:13	01/10/23 11:12	67-66-3	
Chloromethane	ND	ug/kg	5.7	0.91	1	01/10/23 09:13	01/10/23 11:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	0.83	1	01/10/23 09:13	01/10/23 11:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	0.69	1	01/10/23 09:13	01/10/23 11:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.5	2.1	1	01/10/23 09:13	01/10/23 11:12	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	0.74	1	01/10/23 09:13	01/10/23 11:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	0.61	1	01/10/23 09:13	01/10/23 11:12	106-93-4	
Dibromomethane	ND	ug/kg	5.7	0.69	1	01/10/23 09:13	01/10/23 11:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	0.72	1	01/10/23 09:13	01/10/23 11:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	0.82	1	01/10/23 09:13	01/10/23 11:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	0.93	1	01/10/23 09:13	01/10/23 11:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.7	1.4	1	01/10/23 09:13	01/10/23 11:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	0.45	1	01/10/23 09:13	01/10/23 11:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	0.46	1	01/10/23 09:13	01/10/23 11:12	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.7	1.3	1	01/10/23 09:13	01/10/23 11:12	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.7	0.73	1	01/10/23 09:13	01/10/23 11:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	0.49	1	01/10/23 09:13	01/10/23 11:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	0.78	1	01/10/23 09:13	01/10/23 11:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.1	1	01/10/23 09:13	01/10/23 11:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	0.79	1	01/10/23 09:13	01/10/23 11:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	0.54	1	01/10/23 09:13	01/10/23 11:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1.0	1	01/10/23 09:13	01/10/23 11:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	0.61	1	01/10/23 09:13	01/10/23 11:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	0.52	1	01/10/23 09:13	01/10/23 11:12	10061-02-6	
Ethylbenzene	ND	ug/kg	5.7	0.53	1	01/10/23 09:13	01/10/23 11:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	0.98	1	01/10/23 09:13	01/10/23 11:12	87-68-3	
2-Hexanone	ND	ug/kg	22.9	2.9	1	01/10/23 09:13	01/10/23 11:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	0.65	1	01/10/23 09:13	01/10/23 11:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	0.79	1	01/10/23 09:13	01/10/23 11:12	99-87-6	
Methylene Chloride	ND	ug/kg	5.7	3.1	1	01/10/23 09:13	01/10/23 11:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.5	3.5	1	01/10/23 09:13	01/10/23 11:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	0.55	1	01/10/23 09:13	01/10/23 11:12	1634-04-4	
Naphthalene	ND	ug/kg	11.5	0.94	1	01/10/23 09:13	01/10/23 11:12	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	0.92	1	01/10/23 09:13	01/10/23 11:12	103-65-1	
Styrene	ND	ug/kg	5.7	0.67	1	01/10/23 09:13	01/10/23 11:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1.2	1	01/10/23 09:13	01/10/23 11:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1.1	1	01/10/23 09:13	01/10/23 11:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	0.47	1	01/10/23 09:13	01/10/23 11:12	127-18-4	
Toluene	0.53J	ug/kg	5.7	0.40	1	01/10/23 09:13	01/10/23 11:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	0.91	1	01/10/23 09:13	01/10/23 11:12	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-5 (0-3)**      **Lab ID: 60419376012**      Collected: 01/05/23 10:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B      Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	0.91	1	01/10/23 09:13	01/10/23 11:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	0.86	1	01/10/23 09:13	01/10/23 11:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	0.72	1	01/10/23 09:13	01/10/23 11:12	79-00-5	
Trichloroethene	ND	ug/kg	5.7	0.83	1	01/10/23 09:13	01/10/23 11:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	0.70	1	01/10/23 09:13	01/10/23 11:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	2.5	1	01/10/23 09:13	01/10/23 11:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	0.77	1	01/10/23 09:13	01/10/23 11:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	0.72	1	01/10/23 09:13	01/10/23 11:12	108-67-8	
Vinyl chloride	ND	ug/kg	5.7	0.76	1	01/10/23 09:13	01/10/23 11:12	75-01-4	
Xylene (Total)	ND	ug/kg	5.7	1.3	1	01/10/23 09:13	01/10/23 11:12	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 11:12	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-125		1	01/10/23 09:13	01/10/23 11:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 11:12	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>19.6</b>	%	0.50	0.50	1		01/09/23 11:40		
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-5 (13.5-15.5)**      **Lab ID: 60419376013**      Collected: 01/05/23 10:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.1	6.1	1	01/09/23 13:41	01/10/23 11:25		
MRH (C9-C18)	ND	mg/kg	6.8	4.1	1	01/09/23 13:41	01/10/23 11:25		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	100	%	40-140		1	01/09/23 13:41	01/10/23 11:25	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.1	0.21	1	01/17/23 12:00	01/17/23 18:01		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1	01/17/23 12:00	01/17/23 18:01	460-00-4	
Dibromofluoromethane (S)	86	%	70-130		1	01/17/23 12:00	01/17/23 18:01	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>95600</b>	mg/kg	21.5	3.9	1	01/09/23 10:08	01/16/23 16:07	7440-70-2	
Magnesium	<b>14800</b>	mg/kg	5.4	1.6	1	01/09/23 10:08	01/16/23 16:07	7439-95-4	
Potassium	<b>6850</b>	mg/kg	53.6	13.6	1	01/09/23 10:08	01/16/23 16:07	7440-09-7	
Sodium	<b>450</b>	mg/kg	53.6	3.5	1	01/09/23 10:08	01/16/23 16:07	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>19100</b>	mg/kg	53.6	9.4	10	01/09/23 10:08	01/13/23 12:48	7429-90-5	
Antimony	ND	mg/kg	1.1	0.45	10	01/09/23 10:08	01/13/23 12:48	7440-36-0	
Arsenic	<b>1.9</b>	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 12:48	7440-38-2	
Barium	<b>73.8</b>	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 12:48	7440-39-3	
Beryllium	<b>0.98</b>	mg/kg	0.54	0.045	10	01/09/23 10:08	01/13/23 12:48	7440-41-7	
Cadmium	ND	mg/kg	0.54	0.17	10	01/09/23 10:08	01/13/23 12:48	7440-43-9	
Chromium	<b>23.2</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:48	7440-47-3	
Cobalt	<b>8.4</b>	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 12:48	7440-48-4	
Copper	<b>15.8</b>	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 12:48	7440-50-8	
Iron	<b>19900</b>	mg/kg	53.6	3.7	10	01/09/23 10:08	01/13/23 12:48	7439-89-6	
Lead	<b>6.3</b>	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 12:48	7439-92-1	
Manganese	<b>868</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:48	7439-96-5	
Nickel	<b>24.2</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 12:48	7440-02-0	
Selenium	<b>3.0</b>	mg/kg	1.1	0.29	10	01/09/23 10:08	01/13/23 12:48	7782-49-2	
Silver	ND	mg/kg	0.54	0.41	10	01/09/23 10:08	01/13/23 12:48	7440-22-4	
Thallium	ND	mg/kg	1.1	0.44	10	01/09/23 10:08	01/13/23 12:48	7440-28-0	
Vanadium	<b>24.3</b>	mg/kg	1.1	0.65	10	01/09/23 10:08	01/13/23 12:48	7440-62-2	
Zinc	<b>34.4</b>	mg/kg	10.7	1.6	10	01/09/23 10:08	01/13/23 12:48	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.052	0.015	1	01/09/23 10:03	01/10/23 11:57	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-5 (13.5-15.5) Lab ID: 60419376013 Collected: 01/05/23 10:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	374	80.3	1	01/09/23 09:26	01/18/23 11:56	83-32-9	
Acenaphthylene	ND	ug/kg	374	61.2	1	01/09/23 09:26	01/18/23 11:56	208-96-8	
Anthracene	ND	ug/kg	374	78.2	1	01/09/23 09:26	01/18/23 11:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	374	79.1	1	01/09/23 09:26	01/18/23 11:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	374	80.4	1	01/09/23 09:26	01/18/23 11:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	374	91.2	1	01/09/23 09:26	01/18/23 11:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	374	64.9	1	01/09/23 09:26	01/18/23 11:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	374	80.4	1	01/09/23 09:26	01/18/23 11:56	207-08-9	
Benzoic Acid	ND	ug/kg	1890	204	1	01/09/23 09:26	01/18/23 11:56	65-85-0	
Benzyl alcohol	ND	ug/kg	748	68.7	1	01/09/23 09:26	01/18/23 11:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	80.7	1	01/09/23 09:26	01/18/23 11:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	76.1	1	01/09/23 09:26	01/18/23 11:56	85-68-7	
Carbazole	ND	ug/kg	374	76.9	1	01/09/23 09:26	01/18/23 11:56	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	748	78.4	1	01/09/23 09:26	01/18/23 11:56	59-50-7	
4-Chloroaniline	ND	ug/kg	748	58.6	1	01/09/23 09:26	01/18/23 11:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	74.3	1	01/09/23 09:26	01/18/23 11:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	75.5	1	01/09/23 09:26	01/18/23 11:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	374	81.0	1	01/09/23 09:26	01/18/23 11:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	78.7	1	01/09/23 09:26	01/18/23 11:56	91-58-7	
2-Chlorophenol	ND	ug/kg	374	76.4	1	01/09/23 09:26	01/18/23 11:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	80.2	1	01/09/23 09:26	01/18/23 11:56	7005-72-3	
Chrysene	ND	ug/kg	374	83.3	1	01/09/23 09:26	01/18/23 11:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	374	67.2	1	01/09/23 09:26	01/18/23 11:56	53-70-3	
Dibenzofuran	ND	ug/kg	374	79.9	1	01/09/23 09:26	01/18/23 11:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	374	74.4	1	01/09/23 09:26	01/18/23 11:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	374	73.1	1	01/09/23 09:26	01/18/23 11:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	374	72.1	1	01/09/23 09:26	01/18/23 11:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	748	36.7	1	01/09/23 09:26	01/18/23 11:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	374	74.9	1	01/09/23 09:26	01/18/23 11:56	120-83-2	
Diethylphthalate	ND	ug/kg	374	85.4	1	01/09/23 09:26	01/18/23 11:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	54.4	1	01/09/23 09:26	01/18/23 11:56	105-67-9	
Dimethylphthalate	ND	ug/kg	374	77.6	1	01/09/23 09:26	01/18/23 11:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	88.5	1	01/09/23 09:26	01/18/23 11:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	64.7	1	01/09/23 09:26	01/18/23 11:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	113	1	01/09/23 09:26	01/18/23 11:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	84.2	1	01/09/23 09:26	01/18/23 11:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	72.8	1	01/09/23 09:26	01/18/23 11:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	91.0	1	01/09/23 09:26	01/18/23 11:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	84.0	1	01/09/23 09:26	01/18/23 11:56	117-81-7	
Fluoranthene	ND	ug/kg	374	82.4	1	01/09/23 09:26	01/18/23 11:56	206-44-0	
Fluorene	ND	ug/kg	374	79.5	1	01/09/23 09:26	01/18/23 11:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	374	80.1	1	01/09/23 09:26	01/18/23 11:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	374	78.2	1	01/09/23 09:26	01/18/23 11:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	374	230	1	01/09/23 09:26	01/18/23 11:56	77-47-4	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-5 (13.5-15.5)** Lab ID: **60419376013** Collected: 01/05/23 10:45 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	374	68.5	1	01/09/23 09:26	01/18/23 11:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	374	76.5	1	01/09/23 09:26	01/18/23 11:56	193-39-5	
Isophorone	ND	ug/kg	374	72.3	1	01/09/23 09:26	01/18/23 11:56	78-59-1	
2-Methylnaphthalene	ND	ug/kg	374	75.8	1	01/09/23 09:26	01/18/23 11:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	68.1	1	01/09/23 09:26	01/18/23 11:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	374	69.5	1	01/09/23 09:26	01/18/23 11:56	15831-10-4	
Naphthalene	ND	ug/kg	374	80.4	1	01/09/23 09:26	01/18/23 11:56	91-20-3	
2-Nitroaniline	ND	ug/kg	748	62.0	1	01/09/23 09:26	01/18/23 11:56	88-74-4	
3-Nitroaniline	ND	ug/kg	748	58.2	1	01/09/23 09:26	01/18/23 11:56	99-09-2	
4-Nitroaniline	ND	ug/kg	748	64.0	1	01/09/23 09:26	01/18/23 11:56	100-01-6	
Nitrobenzene	ND	ug/kg	374	79.2	1	01/09/23 09:26	01/18/23 11:56	98-95-3	
2-Nitrophenol	ND	ug/kg	374	58.5	1	01/09/23 09:26	01/18/23 11:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	55.1	1	01/09/23 09:26	01/18/23 11:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	71.3	1	01/09/23 09:26	01/18/23 11:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	74.3	1	01/09/23 09:26	01/18/23 11:56	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	123	1	01/09/23 09:26	01/18/23 11:56	87-86-5	
Phenanthrene	ND	ug/kg	374	79.9	1	01/09/23 09:26	01/18/23 11:56	85-01-8	
Phenol	ND	ug/kg	374	70.4	1	01/09/23 09:26	01/18/23 11:56	108-95-2	
Pyrene	ND	ug/kg	374	79.8	1	01/09/23 09:26	01/18/23 11:56	129-00-0	
Pyridine	ND	ug/kg	374	55.4	1	01/09/23 09:26	01/18/23 11:56	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	374	78.3	1	01/09/23 09:26	01/18/23 11:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	374	76.6	1	01/09/23 09:26	01/18/23 11:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	69.1	1	01/09/23 09:26	01/18/23 11:56	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	85	%	30-120		1	01/09/23 09:26	01/18/23 11:56	4165-60-0	
2-Fluorobiphenyl (S)	72	%	40-120		1	01/09/23 09:26	01/18/23 11:56	321-60-8	
Terphenyl-d14 (S)	75	%	45-120		1	01/09/23 09:26	01/18/23 11:56	1718-51-0	
Phenol-d6 (S)	77	%	40-120		1	01/09/23 09:26	01/18/23 11:56	13127-88-3	
2-Fluorophenol (S)	75	%	40-120		1	01/09/23 09:26	01/18/23 11:56	367-12-4	
2,4,6-Tribromophenol (S)	86	%	35-120		1	01/09/23 09:26	01/18/23 11:56	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	21.4	17.3	1	01/10/23 09:13	01/10/23 11:28	67-64-1	
Benzene	5.6	ug/kg	5.4	0.53	1	01/10/23 09:13	01/10/23 11:28	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1.0	1	01/10/23 09:13	01/10/23 11:28	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 11:28	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 11:28	75-27-4	
Bromoform	ND	ug/kg	5.4	0.62	1	01/10/23 09:13	01/10/23 11:28	75-25-2	
Bromomethane	ND	ug/kg	5.4	3.1	1	01/10/23 09:13	01/10/23 11:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.7	3.7	1	01/10/23 09:13	01/10/23 11:28	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	0.70	1	01/10/23 09:13	01/10/23 11:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	0.78	1	01/10/23 09:13	01/10/23 11:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.8	0.95	1	01/10/23 09:13	01/10/23 11:28	98-06-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-5 (13.5-15.5) Lab ID: 60419376013 Collected: 01/05/23 10:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.4	0.69	1	01/10/23 09:13	01/10/23 11:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	0.92	1	01/10/23 09:13	01/10/23 11:28	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 11:28	108-90-7	
Chloroethane	ND	ug/kg	5.4	1.6	1	01/10/23 09:13	01/10/23 11:28	75-00-3	
Chloroform	ND	ug/kg	5.4	0.53	1	01/10/23 09:13	01/10/23 11:28	67-66-3	
Chloromethane	ND	ug/kg	5.4	0.85	1	01/10/23 09:13	01/10/23 11:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	0.78	1	01/10/23 09:13	01/10/23 11:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 11:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.7	2.0	1	01/10/23 09:13	01/10/23 11:28	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	0.69	1	01/10/23 09:13	01/10/23 11:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	0.57	1	01/10/23 09:13	01/10/23 11:28	106-93-4	
Dibromomethane	ND	ug/kg	5.4	0.64	1	01/10/23 09:13	01/10/23 11:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 11:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	0.77	1	01/10/23 09:13	01/10/23 11:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	0.87	1	01/10/23 09:13	01/10/23 11:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.4	1.3	1	01/10/23 09:13	01/10/23 11:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	0.42	1	01/10/23 09:13	01/10/23 11:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	0.43	1	01/10/23 09:13	01/10/23 11:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.4	1.2	1	01/10/23 09:13	01/10/23 11:28	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.4	0.68	1	01/10/23 09:13	01/10/23 11:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	0.46	1	01/10/23 09:13	01/10/23 11:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	0.73	1	01/10/23 09:13	01/10/23 11:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.0	1	01/10/23 09:13	01/10/23 11:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	0.74	1	01/10/23 09:13	01/10/23 11:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	0.51	1	01/10/23 09:13	01/10/23 11:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	0.96	1	01/10/23 09:13	01/10/23 11:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	0.57	1	01/10/23 09:13	01/10/23 11:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	0.49	1	01/10/23 09:13	01/10/23 11:28	10061-02-6	
Ethylbenzene	2.8J	ug/kg	5.4	0.49	1	01/10/23 09:13	01/10/23 11:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	0.91	1	01/10/23 09:13	01/10/23 11:28	87-68-3	
2-Hexanone	ND	ug/kg	21.4	2.7	1	01/10/23 09:13	01/10/23 11:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	0.61	1	01/10/23 09:13	01/10/23 11:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	0.74	1	01/10/23 09:13	01/10/23 11:28	99-87-6	
Methylene Chloride	ND	ug/kg	5.4	2.9	1	01/10/23 09:13	01/10/23 11:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.7	3.2	1	01/10/23 09:13	01/10/23 11:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	0.52	1	01/10/23 09:13	01/10/23 11:28	1634-04-4	
Naphthalene	1.3J	ug/kg	10.7	0.88	1	01/10/23 09:13	01/10/23 11:28	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	0.86	1	01/10/23 09:13	01/10/23 11:28	103-65-1	
Styrene	ND	ug/kg	5.4	0.63	1	01/10/23 09:13	01/10/23 11:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	1	01/10/23 09:13	01/10/23 11:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	1	01/10/23 09:13	01/10/23 11:28	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	0.44	1	01/10/23 09:13	01/10/23 11:28	127-18-4	
Toluene	5.6	ug/kg	5.4	0.38	1	01/10/23 09:13	01/10/23 11:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	0.85	1	01/10/23 09:13	01/10/23 11:28	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-5 (13.5-15.5)**      **Lab ID: 60419376013**      Collected: 01/05/23 10:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B      Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	0.85	1	01/10/23 09:13	01/10/23 11:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	0.80	1	01/10/23 09:13	01/10/23 11:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 11:28	79-00-5	
Trichloroethene	ND	ug/kg	5.4	0.78	1	01/10/23 09:13	01/10/23 11:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	0.66	1	01/10/23 09:13	01/10/23 11:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	2.3	1	01/10/23 09:13	01/10/23 11:28	96-18-4	
1,2,4-Trimethylbenzene	<b>1.1J</b>	ug/kg	5.4	0.72	1	01/10/23 09:13	01/10/23 11:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	0.67	1	01/10/23 09:13	01/10/23 11:28	108-67-8	
Vinyl chloride	ND	ug/kg	5.4	0.71	1	01/10/23 09:13	01/10/23 11:28	75-01-4	
Xylene (Total)	<b>2.6J</b>	ug/kg	5.4	1.2	1	01/10/23 09:13	01/10/23 11:28	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	98	%	80-120		1	01/10/23 09:13	01/10/23 11:28	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125		1	01/10/23 09:13	01/10/23 11:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	80-120		1	01/10/23 09:13	01/10/23 11:28	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>12.1</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-6 (0-3)**      **Lab ID: 60419376014**      Collected: 01/05/23 11:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.6	6.4	1	01/09/23 13:41	01/10/23 11:50		
MRH (C9-C18)	ND	mg/kg	7.2	4.4	1	01/09/23 13:41	01/10/23 11:50		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	99	%	40-140		1	01/09/23 13:41	01/10/23 11:50	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.6	0.22	1	01/10/23 09:11	01/11/23 23:14		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1	01/10/23 09:11	01/11/23 23:14	460-00-4	
Dibromofluoromethane (S)	89	%	70-130		1	01/10/23 09:11	01/11/23 23:14	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>3160</b>	mg/kg	20.6	3.7	1	01/09/23 10:08	01/16/23 16:09	7440-70-2	
Magnesium	<b>6590</b>	mg/kg	5.2	1.6	1	01/09/23 10:08	01/16/23 16:09	7439-95-4	
Potassium	<b>3300</b>	mg/kg	51.6	13.1	1	01/09/23 10:08	01/16/23 16:09	7440-09-7	
Sodium	<b>967</b>	mg/kg	51.6	3.4	1	01/09/23 10:08	01/16/23 16:09	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>28400</b>	mg/kg	51.6	9.1	10	01/09/23 10:08	01/13/23 12:55	7429-90-5	
Antimony	ND	mg/kg	1.0	0.43	10	01/09/23 10:08	01/13/23 12:55	7440-36-0	
Arsenic	<b>6.9</b>	mg/kg	1.0	0.24	10	01/09/23 10:08	01/13/23 12:55	7440-38-2	
Barium	<b>240</b>	mg/kg	1.0	0.34	10	01/09/23 10:08	01/13/23 12:55	7440-39-3	
Beryllium	<b>1.3</b>	mg/kg	0.52	0.043	10	01/09/23 10:08	01/13/23 12:55	7440-41-7	
Cadmium	ND	mg/kg	0.52	0.17	10	01/09/23 10:08	01/13/23 12:55	7440-43-9	
Chromium	<b>28.5</b>	mg/kg	1.0	0.22	10	01/09/23 10:08	01/13/23 12:55	7440-47-3	
Cobalt	<b>14.0</b>	mg/kg	1.0	0.11	10	01/09/23 10:08	01/13/23 12:55	7440-48-4	
Copper	<b>19.6</b>	mg/kg	1.0	0.26	10	01/09/23 10:08	01/13/23 12:55	7440-50-8	
Iron	<b>28800</b>	mg/kg	51.6	3.6	10	01/09/23 10:08	01/13/23 12:55	7439-89-6	
Lead	<b>11.5</b>	mg/kg	1.0	0.16	10	01/09/23 10:08	01/13/23 12:55	7439-92-1	
Manganese	<b>801</b>	mg/kg	1.0	0.21	10	01/09/23 10:08	01/13/23 12:55	7439-96-5	
Nickel	<b>37.6</b>	mg/kg	1.0	0.14	10	01/09/23 10:08	01/13/23 12:55	7440-02-0	
Selenium	<b>4.3</b>	mg/kg	1.0	0.28	10	01/09/23 10:08	01/13/23 12:55	7782-49-2	
Silver	ND	mg/kg	0.52	0.40	10	01/09/23 10:08	01/13/23 12:55	7440-22-4	
Thallium	ND	mg/kg	1.0	0.42	10	01/09/23 10:08	01/13/23 12:55	7440-28-0	
Vanadium	<b>27.7</b>	mg/kg	1.0	0.62	10	01/09/23 10:08	01/13/23 12:55	7440-62-2	
Zinc	<b>48.0</b>	mg/kg	10.3	1.5	10	01/09/23 10:08	01/13/23 12:55	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.057	0.017	1	01/09/23 10:03	01/10/23 11:59	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (0-3) Lab ID: 60419376014 Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	386	83.0	1	01/09/23 09:26	01/18/23 14:50	83-32-9	
Acenaphthylene	ND	ug/kg	386	63.2	1	01/09/23 09:26	01/18/23 14:50	208-96-8	
Anthracene	ND	ug/kg	386	80.7	1	01/09/23 09:26	01/18/23 14:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	386	81.7	1	01/09/23 09:26	01/18/23 14:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	386	83.1	1	01/09/23 09:26	01/18/23 14:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	386	94.2	1	01/09/23 09:26	01/18/23 14:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	386	67.0	1	01/09/23 09:26	01/18/23 14:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	386	83.1	1	01/09/23 09:26	01/18/23 14:50	207-08-9	
Benzoic Acid	ND	ug/kg	1950	211	1	01/09/23 09:26	01/18/23 14:50	65-85-0	
Benzyl alcohol	ND	ug/kg	772	70.9	1	01/09/23 09:26	01/18/23 14:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	386	83.3	1	01/09/23 09:26	01/18/23 14:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	386	78.6	1	01/09/23 09:26	01/18/23 14:50	85-68-7	
Carbazole	ND	ug/kg	386	79.4	1	01/09/23 09:26	01/18/23 14:50	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	772	81.0	1	01/09/23 09:26	01/18/23 14:50	59-50-7	
4-Chloroaniline	ND	ug/kg	772	60.5	1	01/09/23 09:26	01/18/23 14:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	386	76.8	1	01/09/23 09:26	01/18/23 14:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	386	77.9	1	01/09/23 09:26	01/18/23 14:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	386	83.7	1	01/09/23 09:26	01/18/23 14:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	386	81.3	1	01/09/23 09:26	01/18/23 14:50	91-58-7	
2-Chlorophenol	ND	ug/kg	386	78.9	1	01/09/23 09:26	01/18/23 14:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	386	82.8	1	01/09/23 09:26	01/18/23 14:50	7005-72-3	
Chrysene	ND	ug/kg	386	86.0	1	01/09/23 09:26	01/18/23 14:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	386	69.4	1	01/09/23 09:26	01/18/23 14:50	53-70-3	
Dibenzofuran	ND	ug/kg	386	82.5	1	01/09/23 09:26	01/18/23 14:50	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	386	76.9	1	01/09/23 09:26	01/18/23 14:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	386	75.5	1	01/09/23 09:26	01/18/23 14:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	386	74.4	1	01/09/23 09:26	01/18/23 14:50	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	772	37.9	1	01/09/23 09:26	01/18/23 14:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	386	77.3	1	01/09/23 09:26	01/18/23 14:50	120-83-2	
Diethylphthalate	ND	ug/kg	386	88.2	1	01/09/23 09:26	01/18/23 14:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	386	56.2	1	01/09/23 09:26	01/18/23 14:50	105-67-9	
Dimethylphthalate	ND	ug/kg	386	80.1	1	01/09/23 09:26	01/18/23 14:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	386	91.4	1	01/09/23 09:26	01/18/23 14:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1950	66.8	1	01/09/23 09:26	01/18/23 14:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	117	1	01/09/23 09:26	01/18/23 14:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	386	86.9	1	01/09/23 09:26	01/18/23 14:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	386	75.2	1	01/09/23 09:26	01/18/23 14:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	386	94.0	1	01/09/23 09:26	01/18/23 14:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	386	86.7	1	01/09/23 09:26	01/18/23 14:50	117-81-7	
Fluoranthene	ND	ug/kg	386	85.1	1	01/09/23 09:26	01/18/23 14:50	206-44-0	
Fluorene	ND	ug/kg	386	82.1	1	01/09/23 09:26	01/18/23 14:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	386	82.7	1	01/09/23 09:26	01/18/23 14:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	386	80.7	1	01/09/23 09:26	01/18/23 14:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	386	238	1	01/09/23 09:26	01/18/23 14:50	77-47-4	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (0-3) Lab ID: 60419376014 Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	386	70.8	1	01/09/23 09:26	01/18/23 14:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	386	79.0	1	01/09/23 09:26	01/18/23 14:50	193-39-5	
Isophorone	ND	ug/kg	386	74.6	1	01/09/23 09:26	01/18/23 14:50	78-59-1	
2-Methylnaphthalene	ND	ug/kg	386	78.3	1	01/09/23 09:26	01/18/23 14:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	386	70.3	1	01/09/23 09:26	01/18/23 14:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	386	71.7	1	01/09/23 09:26	01/18/23 14:50	15831-10-4	
Naphthalene	ND	ug/kg	386	83.1	1	01/09/23 09:26	01/18/23 14:50	91-20-3	
2-Nitroaniline	ND	ug/kg	772	64.0	1	01/09/23 09:26	01/18/23 14:50	88-74-4	
3-Nitroaniline	ND	ug/kg	772	60.1	1	01/09/23 09:26	01/18/23 14:50	99-09-2	
4-Nitroaniline	ND	ug/kg	772	66.1	1	01/09/23 09:26	01/18/23 14:50	100-01-6	
Nitrobenzene	ND	ug/kg	386	81.8	1	01/09/23 09:26	01/18/23 14:50	98-95-3	
2-Nitrophenol	ND	ug/kg	386	60.4	1	01/09/23 09:26	01/18/23 14:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	56.9	1	01/09/23 09:26	01/18/23 14:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	386	73.6	1	01/09/23 09:26	01/18/23 14:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	386	76.8	1	01/09/23 09:26	01/18/23 14:50	86-30-6	
Pentachlorophenol	ND	ug/kg	1950	128	1	01/09/23 09:26	01/18/23 14:50	87-86-5	
Phenanthrene	ND	ug/kg	386	82.5	1	01/09/23 09:26	01/18/23 14:50	85-01-8	
Phenol	ND	ug/kg	386	72.7	1	01/09/23 09:26	01/18/23 14:50	108-95-2	
Pyrene	ND	ug/kg	386	82.4	1	01/09/23 09:26	01/18/23 14:50	129-00-0	
Pyridine	ND	ug/kg	386	57.2	1	01/09/23 09:26	01/18/23 14:50	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	386	80.8	1	01/09/23 09:26	01/18/23 14:50	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	386	79.1	1	01/09/23 09:26	01/18/23 14:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	386	71.4	1	01/09/23 09:26	01/18/23 14:50	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	82	%	30-120		1	01/09/23 09:26	01/18/23 14:50	4165-60-0	
2-Fluorobiphenyl (S)	69	%	40-120		1	01/09/23 09:26	01/18/23 14:50	321-60-8	
Terphenyl-d14 (S)	72	%	45-120		1	01/09/23 09:26	01/18/23 14:50	1718-51-0	
Phenol-d6 (S)	72	%	40-120		1	01/09/23 09:26	01/18/23 14:50	13127-88-3	
2-Fluorophenol (S)	70	%	40-120		1	01/09/23 09:26	01/18/23 14:50	367-12-4	
2,4,6-Tribromophenol (S)	80	%	35-120		1	01/09/23 09:26	01/18/23 14:50	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	37.2	ug/kg	22.7	18.4	1	01/10/23 09:13	01/10/23 11:45	67-64-1	
Benzene	ND	ug/kg	5.7	0.56	1	01/10/23 09:13	01/10/23 11:45	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1.1	1	01/10/23 09:13	01/10/23 11:45	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	0.68	1	01/10/23 09:13	01/10/23 11:45	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	0.68	1	01/10/23 09:13	01/10/23 11:45	75-27-4	
Bromoform	ND	ug/kg	5.7	0.65	1	01/10/23 09:13	01/10/23 11:45	75-25-2	
Bromomethane	ND	ug/kg	5.7	3.3	1	01/10/23 09:13	01/10/23 11:45	74-83-9	
2-Butanone (MEK)	4.0J	ug/kg	11.3	3.9	1	01/10/23 09:13	01/10/23 11:45	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	0.74	1	01/10/23 09:13	01/10/23 11:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	0.83	1	01/10/23 09:13	01/10/23 11:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	28.3	1.0	1	01/10/23 09:13	01/10/23 11:45	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (0-3) Lab ID: 60419376014 Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.7	0.73	1	01/10/23 09:13	01/10/23 11:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	0.97	1	01/10/23 09:13	01/10/23 11:45	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	0.71	1	01/10/23 09:13	01/10/23 11:45	108-90-7	
Chloroethane	ND	ug/kg	5.7	1.7	1	01/10/23 09:13	01/10/23 11:45	75-00-3	
Chloroform	ND	ug/kg	5.7	0.56	1	01/10/23 09:13	01/10/23 11:45	67-66-3	
Chloromethane	ND	ug/kg	5.7	0.90	1	01/10/23 09:13	01/10/23 11:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	0.83	1	01/10/23 09:13	01/10/23 11:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	0.68	1	01/10/23 09:13	01/10/23 11:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.3	2.1	1	01/10/23 09:13	01/10/23 11:45	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	0.73	1	01/10/23 09:13	01/10/23 11:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	0.61	1	01/10/23 09:13	01/10/23 11:45	106-93-4	
Dibromomethane	ND	ug/kg	5.7	0.68	1	01/10/23 09:13	01/10/23 11:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	0.71	1	01/10/23 09:13	01/10/23 11:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	0.82	1	01/10/23 09:13	01/10/23 11:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	0.92	1	01/10/23 09:13	01/10/23 11:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.7	1.3	1	01/10/23 09:13	01/10/23 11:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	0.44	1	01/10/23 09:13	01/10/23 11:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	0.45	1	01/10/23 09:13	01/10/23 11:45	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.7	1.3	1	01/10/23 09:13	01/10/23 11:45	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.7	0.72	1	01/10/23 09:13	01/10/23 11:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	0.49	1	01/10/23 09:13	01/10/23 11:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	0.77	1	01/10/23 09:13	01/10/23 11:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.1	1	01/10/23 09:13	01/10/23 11:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	0.78	1	01/10/23 09:13	01/10/23 11:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	0.54	1	01/10/23 09:13	01/10/23 11:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1.0	1	01/10/23 09:13	01/10/23 11:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	0.60	1	01/10/23 09:13	01/10/23 11:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	0.52	1	01/10/23 09:13	01/10/23 11:45	10061-02-6	
Ethylbenzene	ND	ug/kg	5.7	0.52	1	01/10/23 09:13	01/10/23 11:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	0.96	1	01/10/23 09:13	01/10/23 11:45	87-68-3	
2-Hexanone	ND	ug/kg	22.7	2.8	1	01/10/23 09:13	01/10/23 11:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	0.65	1	01/10/23 09:13	01/10/23 11:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	0.78	1	01/10/23 09:13	01/10/23 11:45	99-87-6	
Methylene Chloride	ND	ug/kg	5.7	3.1	1	01/10/23 09:13	01/10/23 11:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.3	3.4	1	01/10/23 09:13	01/10/23 11:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	0.55	1	01/10/23 09:13	01/10/23 11:45	1634-04-4	
Naphthalene	ND	ug/kg	11.3	0.93	1	01/10/23 09:13	01/10/23 11:45	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	0.91	1	01/10/23 09:13	01/10/23 11:45	103-65-1	
Styrene	ND	ug/kg	5.7	0.67	1	01/10/23 09:13	01/10/23 11:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1.2	1	01/10/23 09:13	01/10/23 11:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1.1	1	01/10/23 09:13	01/10/23 11:45	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	0.47	1	01/10/23 09:13	01/10/23 11:45	127-18-4	
Toluene	ND	ug/kg	5.7	0.40	1	01/10/23 09:13	01/10/23 11:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	0.90	1	01/10/23 09:13	01/10/23 11:45	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-6 (0-3)** Lab ID: **60419376014** Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	0.90	1	01/10/23 09:13	01/10/23 11:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	0.85	1	01/10/23 09:13	01/10/23 11:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	0.71	1	01/10/23 09:13	01/10/23 11:45	79-00-5	
Trichloroethene	ND	ug/kg	5.7	0.82	1	01/10/23 09:13	01/10/23 11:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	0.70	1	01/10/23 09:13	01/10/23 11:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	2.4	1	01/10/23 09:13	01/10/23 11:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	0.76	1	01/10/23 09:13	01/10/23 11:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	0.71	1	01/10/23 09:13	01/10/23 11:45	108-67-8	
Vinyl chloride	ND	ug/kg	5.7	0.76	1	01/10/23 09:13	01/10/23 11:45	75-01-4	
Xylene (Total)	ND	ug/kg	5.7	1.3	1	01/10/23 09:13	01/10/23 11:45	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 11:45	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-125		1	01/10/23 09:13	01/10/23 11:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 11:45	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>17.9</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-6 (0-3) DUP**      **Lab ID: 60419376015**      Collected: 01/05/23 11:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	13.2	mg/kg	10	6.7	1	01/09/23 13:41	01/10/23 11:58		
MRH (C9-C18)	ND	mg/kg	7.5	4.5	1	01/09/23 13:41	01/10/23 11:58		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	99	%	40-140		1	01/09/23 13:41	01/10/23 11:58	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	7.3	0.25	1	01/10/23 09:11	01/11/23 23:29		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1	01/10/23 09:11	01/11/23 23:29	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1	01/10/23 09:11	01/11/23 23:29	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	5530	mg/kg	24.0	4.4	1	01/09/23 10:08	01/16/23 16:11	7440-70-2	
Magnesium	5490	mg/kg	6.0	1.8	1	01/09/23 10:08	01/16/23 16:11	7439-95-4	
Potassium	3110	mg/kg	60.1	15.3	1	01/09/23 10:08	01/16/23 16:11	7440-09-7	
Sodium	353	mg/kg	60.1	4.0	1	01/09/23 10:08	01/16/23 16:11	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	33400	mg/kg	60.1	10.6	10	01/09/23 10:08	01/13/23 12:59	7429-90-5	
Antimony	ND	mg/kg	1.2	0.50	10	01/09/23 10:08	01/13/23 12:59	7440-36-0	
Arsenic	7.3	mg/kg	1.2	0.28	10	01/09/23 10:08	01/13/23 12:59	7440-38-2	
Barium	304	mg/kg	1.2	0.39	10	01/09/23 10:08	01/13/23 12:59	7440-39-3	
Beryllium	1.3	mg/kg	0.60	0.050	10	01/09/23 10:08	01/13/23 12:59	7440-41-7	
Cadmium	ND	mg/kg	0.60	0.19	10	01/09/23 10:08	01/13/23 12:59	7440-43-9	
Chromium	30.4	mg/kg	1.2	0.25	10	01/09/23 10:08	01/13/23 12:59	7440-47-3	
Cobalt	15.5	mg/kg	1.2	0.13	10	01/09/23 10:08	01/13/23 12:59	7440-48-4	
Copper	19.1	mg/kg	1.2	0.31	10	01/09/23 10:08	01/13/23 12:59	7440-50-8	
Iron	27300	mg/kg	60.1	4.2	10	01/09/23 10:08	01/13/23 12:59	7439-89-6	
Lead	19.1	mg/kg	1.2	0.19	10	01/09/23 10:08	01/13/23 12:59	7439-92-1	
Manganese	827	mg/kg	1.2	0.25	10	01/09/23 10:08	01/13/23 12:59	7439-96-5	
Nickel	30.8	mg/kg	1.2	0.17	10	01/09/23 10:08	01/13/23 12:59	7440-02-0	
Selenium	4.5	mg/kg	1.2	0.33	10	01/09/23 10:08	01/13/23 12:59	7782-49-2	
Silver	ND	mg/kg	0.60	0.46	10	01/09/23 10:08	01/13/23 12:59	7440-22-4	
Thallium	ND	mg/kg	1.2	0.49	10	01/09/23 10:08	01/13/23 12:59	7440-28-0	
Vanadium	40.4	mg/kg	1.2	0.73	10	01/09/23 10:08	01/13/23 12:59	7440-62-2	
Zinc	50.5	mg/kg	12.0	1.8	10	01/09/23 10:08	01/13/23 12:59	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.063	0.019	1	01/09/23 10:03	01/10/23 12:02	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-6 (0-3) DUP** Lab ID: **60419376015** Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	423	90.9	1	01/09/23 09:26	01/18/23 15:12	83-32-9	
Acenaphthylene	ND	ug/kg	423	69.2	1	01/09/23 09:26	01/18/23 15:12	208-96-8	
Anthracene	ND	ug/kg	423	88.4	1	01/09/23 09:26	01/18/23 15:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	423	89.5	1	01/09/23 09:26	01/18/23 15:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	423	91.0	1	01/09/23 09:26	01/18/23 15:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	423	103	1	01/09/23 09:26	01/18/23 15:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	423	73.4	1	01/09/23 09:26	01/18/23 15:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	423	91.0	1	01/09/23 09:26	01/18/23 15:12	207-08-9	
Benzoic Acid	ND	ug/kg	2140	231	1	01/09/23 09:26	01/18/23 15:12	65-85-0	
Benzyl alcohol	ND	ug/kg	846	77.7	1	01/09/23 09:26	01/18/23 15:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	423	91.3	1	01/09/23 09:26	01/18/23 15:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	423	86.1	1	01/09/23 09:26	01/18/23 15:12	85-68-7	
Carbazole	ND	ug/kg	423	87.0	1	01/09/23 09:26	01/18/23 15:12	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	846	88.7	1	01/09/23 09:26	01/18/23 15:12	59-50-7	
4-Chloroaniline	ND	ug/kg	846	66.3	1	01/09/23 09:26	01/18/23 15:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	423	84.1	1	01/09/23 09:26	01/18/23 15:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	423	85.4	1	01/09/23 09:26	01/18/23 15:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	423	91.6	1	01/09/23 09:26	01/18/23 15:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	423	89.1	1	01/09/23 09:26	01/18/23 15:12	91-58-7	
2-Chlorophenol	ND	ug/kg	423	86.4	1	01/09/23 09:26	01/18/23 15:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	423	90.7	1	01/09/23 09:26	01/18/23 15:12	7005-72-3	
Chrysene	ND	ug/kg	423	94.2	1	01/09/23 09:26	01/18/23 15:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	423	76.0	1	01/09/23 09:26	01/18/23 15:12	53-70-3	
Dibenzofuran	ND	ug/kg	423	90.4	1	01/09/23 09:26	01/18/23 15:12	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	423	84.2	1	01/09/23 09:26	01/18/23 15:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	423	82.7	1	01/09/23 09:26	01/18/23 15:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	423	81.5	1	01/09/23 09:26	01/18/23 15:12	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	846	41.5	1	01/09/23 09:26	01/18/23 15:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	423	84.7	1	01/09/23 09:26	01/18/23 15:12	120-83-2	
Diethylphthalate	ND	ug/kg	423	96.6	1	01/09/23 09:26	01/18/23 15:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	423	61.5	1	01/09/23 09:26	01/18/23 15:12	105-67-9	
Dimethylphthalate	ND	ug/kg	423	87.8	1	01/09/23 09:26	01/18/23 15:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	423	100	1	01/09/23 09:26	01/18/23 15:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2140	73.2	1	01/09/23 09:26	01/18/23 15:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2140	128	1	01/09/23 09:26	01/18/23 15:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	423	95.2	1	01/09/23 09:26	01/18/23 15:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	423	82.4	1	01/09/23 09:26	01/18/23 15:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	423	103	1	01/09/23 09:26	01/18/23 15:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	423	95.0	1	01/09/23 09:26	01/18/23 15:12	117-81-7	
Fluoranthene	ND	ug/kg	423	93.2	1	01/09/23 09:26	01/18/23 15:12	206-44-0	
Fluorene	ND	ug/kg	423	90.0	1	01/09/23 09:26	01/18/23 15:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	423	90.6	1	01/09/23 09:26	01/18/23 15:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	423	88.4	1	01/09/23 09:26	01/18/23 15:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	423	260	1	01/09/23 09:26	01/18/23 15:12	77-47-4	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (0-3) DUP Lab ID: 60419376015 Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	423	77.5	1	01/09/23 09:26	01/18/23 15:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	423	86.5	1	01/09/23 09:26	01/18/23 15:12	193-39-5	
Isophorone	ND	ug/kg	423	81.8	1	01/09/23 09:26	01/18/23 15:12	78-59-1	
2-Methylnaphthalene	ND	ug/kg	423	85.7	1	01/09/23 09:26	01/18/23 15:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	423	77.0	1	01/09/23 09:26	01/18/23 15:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	423	78.6	1	01/09/23 09:26	01/18/23 15:12	15831-10-4	
Naphthalene	ND	ug/kg	423	91.0	1	01/09/23 09:26	01/18/23 15:12	91-20-3	
2-Nitroaniline	ND	ug/kg	846	70.1	1	01/09/23 09:26	01/18/23 15:12	88-74-4	
3-Nitroaniline	ND	ug/kg	846	65.9	1	01/09/23 09:26	01/18/23 15:12	99-09-2	
4-Nitroaniline	ND	ug/kg	846	72.4	1	01/09/23 09:26	01/18/23 15:12	100-01-6	
Nitrobenzene	ND	ug/kg	423	89.6	1	01/09/23 09:26	01/18/23 15:12	98-95-3	
2-Nitrophenol	ND	ug/kg	423	66.1	1	01/09/23 09:26	01/18/23 15:12	88-75-5	
4-Nitrophenol	ND	ug/kg	2140	62.3	1	01/09/23 09:26	01/18/23 15:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	423	80.6	1	01/09/23 09:26	01/18/23 15:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	423	84.1	1	01/09/23 09:26	01/18/23 15:12	86-30-6	
Pentachlorophenol	ND	ug/kg	2140	140	1	01/09/23 09:26	01/18/23 15:12	87-86-5	
Phenanthrene	ND	ug/kg	423	90.4	1	01/09/23 09:26	01/18/23 15:12	85-01-8	
Phenol	ND	ug/kg	423	79.6	1	01/09/23 09:26	01/18/23 15:12	108-95-2	
Pyrene	ND	ug/kg	423	90.2	1	01/09/23 09:26	01/18/23 15:12	129-00-0	
Pyridine	ND	ug/kg	423	62.7	1	01/09/23 09:26	01/18/23 15:12	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	423	88.6	1	01/09/23 09:26	01/18/23 15:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	423	86.6	1	01/09/23 09:26	01/18/23 15:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	423	78.2	1	01/09/23 09:26	01/18/23 15:12	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	85	%	30-120		1	01/09/23 09:26	01/18/23 15:12	4165-60-0	
2-Fluorobiphenyl (S)	72	%	40-120		1	01/09/23 09:26	01/18/23 15:12	321-60-8	
Terphenyl-d14 (S)	74	%	45-120		1	01/09/23 09:26	01/18/23 15:12	1718-51-0	
Phenol-d6 (S)	77	%	40-120		1	01/09/23 09:26	01/18/23 15:12	13127-88-3	
2-Fluorophenol (S)	75	%	40-120		1	01/09/23 09:26	01/18/23 15:12	367-12-4	
2,4,6-Tribromophenol (S)	85	%	35-120		1	01/09/23 09:26	01/18/23 15:12	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	46.1	ug/kg	25.0	20.2	1	01/10/23 09:13	01/10/23 12:01	67-64-1	
Benzene	ND	ug/kg	6.2	0.62	1	01/10/23 09:13	01/10/23 12:01	71-43-2	
Bromobenzene	ND	ug/kg	6.2	1.2	1	01/10/23 09:13	01/10/23 12:01	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	0.75	1	01/10/23 09:13	01/10/23 12:01	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	0.75	1	01/10/23 09:13	01/10/23 12:01	75-27-4	
Bromoform	ND	ug/kg	6.2	0.72	1	01/10/23 09:13	01/10/23 12:01	75-25-2	
Bromomethane	ND	ug/kg	6.2	3.7	1	01/10/23 09:13	01/10/23 12:01	74-83-9	
2-Butanone (MEK)	5.4J	ug/kg	12.5	4.3	1	01/10/23 09:13	01/10/23 12:01	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	0.81	1	01/10/23 09:13	01/10/23 12:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	0.91	1	01/10/23 09:13	01/10/23 12:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	31.2	1.1	1	01/10/23 09:13	01/10/23 12:01	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (0-3) DUP Lab ID: 60419376015 Collected: 01/05/23 11:20 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	6.2	0.80	1	01/10/23 09:13	01/10/23 12:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.2	1.1	1	01/10/23 09:13	01/10/23 12:01	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	0.78	1	01/10/23 09:13	01/10/23 12:01	108-90-7	
Chloroethane	ND	ug/kg	6.2	1.9	1	01/10/23 09:13	01/10/23 12:01	75-00-3	
Chloroform	ND	ug/kg	6.2	0.62	1	01/10/23 09:13	01/10/23 12:01	67-66-3	
Chloromethane	ND	ug/kg	6.2	1.0	1	01/10/23 09:13	01/10/23 12:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	0.91	1	01/10/23 09:13	01/10/23 12:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	0.75	1	01/10/23 09:13	01/10/23 12:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.5	2.3	1	01/10/23 09:13	01/10/23 12:01	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	0.81	1	01/10/23 09:13	01/10/23 12:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	0.67	1	01/10/23 09:13	01/10/23 12:01	106-93-4	
Dibromomethane	ND	ug/kg	6.2	0.75	1	01/10/23 09:13	01/10/23 12:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	0.78	1	01/10/23 09:13	01/10/23 12:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	0.90	1	01/10/23 09:13	01/10/23 12:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.0	1	01/10/23 09:13	01/10/23 12:01	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.2	1.5	1	01/10/23 09:13	01/10/23 12:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.2	0.49	1	01/10/23 09:13	01/10/23 12:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	0.50	1	01/10/23 09:13	01/10/23 12:01	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	6.2	1.4	1	01/10/23 09:13	01/10/23 12:01	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.2	0.80	1	01/10/23 09:13	01/10/23 12:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	0.54	1	01/10/23 09:13	01/10/23 12:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	0.85	1	01/10/23 09:13	01/10/23 12:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	1	01/10/23 09:13	01/10/23 12:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	0.86	1	01/10/23 09:13	01/10/23 12:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	0.59	1	01/10/23 09:13	01/10/23 12:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.2	1.1	1	01/10/23 09:13	01/10/23 12:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	0.66	1	01/10/23 09:13	01/10/23 12:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	0.57	1	01/10/23 09:13	01/10/23 12:01	10061-02-6	
Ethylbenzene	ND	ug/kg	6.2	0.58	1	01/10/23 09:13	01/10/23 12:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.1	1	01/10/23 09:13	01/10/23 12:01	87-68-3	
2-Hexanone	ND	ug/kg	25.0	3.1	1	01/10/23 09:13	01/10/23 12:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	0.71	1	01/10/23 09:13	01/10/23 12:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	0.86	1	01/10/23 09:13	01/10/23 12:01	99-87-6	
Methylene Chloride	ND	ug/kg	6.2	3.4	1	01/10/23 09:13	01/10/23 12:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	12.5	3.8	1	01/10/23 09:13	01/10/23 12:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	0.60	1	01/10/23 09:13	01/10/23 12:01	1634-04-4	
Naphthalene	ND	ug/kg	12.5	1.0	1	01/10/23 09:13	01/10/23 12:01	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	1.0	1	01/10/23 09:13	01/10/23 12:01	103-65-1	
Styrene	ND	ug/kg	6.2	0.74	1	01/10/23 09:13	01/10/23 12:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.3	1	01/10/23 09:13	01/10/23 12:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	1	01/10/23 09:13	01/10/23 12:01	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	0.52	1	01/10/23 09:13	01/10/23 12:01	127-18-4	
Toluene	ND	ug/kg	6.2	0.44	1	01/10/23 09:13	01/10/23 12:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	0.99	1	01/10/23 09:13	01/10/23 12:01	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-6 (0-3) DUP**      **Lab ID: 60419376015**      Collected: 01/05/23 11:20      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	0.99	1	01/10/23 09:13	01/10/23 12:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	0.93	1	01/10/23 09:13	01/10/23 12:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	0.79	1	01/10/23 09:13	01/10/23 12:01	79-00-5	
Trichloroethene	ND	ug/kg	6.2	0.91	1	01/10/23 09:13	01/10/23 12:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	0.77	1	01/10/23 09:13	01/10/23 12:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	2.7	1	01/10/23 09:13	01/10/23 12:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	0.84	1	01/10/23 09:13	01/10/23 12:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	0.78	1	01/10/23 09:13	01/10/23 12:01	108-67-8	
Vinyl chloride	ND	ug/kg	6.2	0.83	1	01/10/23 09:13	01/10/23 12:01	75-01-4	
Xylene (Total)	ND	ug/kg	6.2	1.4	1	01/10/23 09:13	01/10/23 12:01	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 12:01	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-125		1	01/10/23 09:13	01/10/23 12:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	80-120		1	01/10/23 09:13	01/10/23 12:01	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>23.0</b>	%	0.50	0.50	1		01/09/23 11:40
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-6 (12.5-14.5)**      **Lab ID: 60419376016**      Collected: 01/05/23 11:50      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	7.8	5.2	1	01/09/23 13:41	01/10/23 12:07		
MRH (C9-C18)	ND	mg/kg	5.9	3.6	1	01/09/23 13:41	01/10/23 12:07		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	100	%	40-140		1	01/09/23 13:41	01/10/23 12:07	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	5.8	0.20	1	01/17/23 12:00	01/17/23 18:49		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1	01/17/23 12:00	01/17/23 18:49	460-00-4	
Dibromofluoromethane (S)	81	%	70-130		1	01/17/23 12:00	01/17/23 18:49	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>171000</b>	mg/kg	63.6	11.5	3	01/09/23 10:08	01/17/23 10:15	7440-70-2	
Magnesium	<b>14500</b>	mg/kg	5.3	1.6	1	01/09/23 10:08	01/16/23 16:13	7439-95-4	
Potassium	<b>6460</b>	mg/kg	53.0	13.5	1	01/09/23 10:08	01/16/23 16:13	7440-09-7	
Sodium	<b>509</b>	mg/kg	53.0	3.5	1	01/09/23 10:08	01/16/23 16:13	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>17200</b>	mg/kg	53.0	9.3	10	01/09/23 10:08	01/13/23 13:02	7429-90-5	
Antimony	ND	mg/kg	1.1	0.44	10	01/09/23 10:08	01/13/23 13:02	7440-36-0	
Arsenic	<b>1.2</b>	mg/kg	1.1	0.24	10	01/09/23 10:08	01/13/23 13:02	7440-38-2	
Barium	<b>42.3</b>	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 13:02	7440-39-3	
Beryllium	<b>0.77</b>	mg/kg	0.53	0.044	10	01/09/23 10:08	01/13/23 13:02	7440-41-7	
Cadmium	ND	mg/kg	0.53	0.17	10	01/09/23 10:08	01/13/23 13:02	7440-43-9	
Chromium	<b>22.3</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:02	7440-47-3	
Cobalt	<b>6.4</b>	mg/kg	1.1	0.11	10	01/09/23 10:08	01/13/23 13:02	7440-48-4	
Copper	<b>7.5</b>	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 13:02	7440-50-8	
Iron	<b>23200</b>	mg/kg	53.0	3.7	10	01/09/23 10:08	01/13/23 13:02	7439-89-6	
Lead	<b>4.5</b>	mg/kg	1.1	0.16	10	01/09/23 10:08	01/13/23 13:02	7439-92-1	
Manganese	<b>1010</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:02	7439-96-5	
Nickel	<b>21.3</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:02	7440-02-0	
Selenium	<b>2.5</b>	mg/kg	1.1	0.29	10	01/09/23 10:08	01/13/23 13:02	7782-49-2	
Silver	ND	mg/kg	0.53	0.41	10	01/09/23 10:08	01/13/23 13:02	7440-22-4	
Thallium	ND	mg/kg	1.1	0.43	10	01/09/23 10:08	01/13/23 13:02	7440-28-0	
Vanadium	<b>20.0</b>	mg/kg	1.1	0.64	10	01/09/23 10:08	01/13/23 13:02	7440-62-2	
Zinc	<b>28.8</b>	mg/kg	10.6	1.6	10	01/09/23 10:08	01/13/23 13:02	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.046	0.013	1	01/09/23 10:03	01/10/23 12:04	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (12.5-14.5) Lab ID: 60419376016 Collected: 01/05/23 11:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	368	79.1	1	01/09/23 09:26	01/18/23 15:34	83-32-9	
Acenaphthylene	ND	ug/kg	368	60.3	1	01/09/23 09:26	01/18/23 15:34	208-96-8	
Anthracene	ND	ug/kg	368	77.0	1	01/09/23 09:26	01/18/23 15:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	368	77.9	1	01/09/23 09:26	01/18/23 15:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	368	79.3	1	01/09/23 09:26	01/18/23 15:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	368	89.9	1	01/09/23 09:26	01/18/23 15:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	368	64.0	1	01/09/23 09:26	01/18/23 15:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	368	79.3	1	01/09/23 09:26	01/18/23 15:34	207-08-9	
Benzoic Acid	ND	ug/kg	1860	201	1	01/09/23 09:26	01/18/23 15:34	65-85-0	
Benzyl alcohol	ND	ug/kg	737	67.6	1	01/09/23 09:26	01/18/23 15:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	368	79.5	1	01/09/23 09:26	01/18/23 15:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	75.0	1	01/09/23 09:26	01/18/23 15:34	85-68-7	
Carbazole	ND	ug/kg	368	75.8	1	01/09/23 09:26	01/18/23 15:34	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	737	77.2	1	01/09/23 09:26	01/18/23 15:34	59-50-7	
4-Chloroaniline	ND	ug/kg	737	57.7	1	01/09/23 09:26	01/18/23 15:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	73.2	1	01/09/23 09:26	01/18/23 15:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	74.3	1	01/09/23 09:26	01/18/23 15:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	368	79.8	1	01/09/23 09:26	01/18/23 15:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	368	77.6	1	01/09/23 09:26	01/18/23 15:34	91-58-7	
2-Chlorophenol	ND	ug/kg	368	75.2	1	01/09/23 09:26	01/18/23 15:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	79.0	1	01/09/23 09:26	01/18/23 15:34	7005-72-3	
Chrysene	ND	ug/kg	368	82.0	1	01/09/23 09:26	01/18/23 15:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	368	66.2	1	01/09/23 09:26	01/18/23 15:34	53-70-3	
Dibenzofuran	ND	ug/kg	368	78.7	1	01/09/23 09:26	01/18/23 15:34	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	368	73.3	1	01/09/23 09:26	01/18/23 15:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	368	72.0	1	01/09/23 09:26	01/18/23 15:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	368	71.0	1	01/09/23 09:26	01/18/23 15:34	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	737	36.2	1	01/09/23 09:26	01/18/23 15:34	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	368	73.8	1	01/09/23 09:26	01/18/23 15:34	120-83-2	
Diethylphthalate	ND	ug/kg	368	84.2	1	01/09/23 09:26	01/18/23 15:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	53.6	1	01/09/23 09:26	01/18/23 15:34	105-67-9	
Dimethylphthalate	ND	ug/kg	368	76.5	1	01/09/23 09:26	01/18/23 15:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	87.2	1	01/09/23 09:26	01/18/23 15:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	63.7	1	01/09/23 09:26	01/18/23 15:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	111	1	01/09/23 09:26	01/18/23 15:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	82.9	1	01/09/23 09:26	01/18/23 15:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	71.8	1	01/09/23 09:26	01/18/23 15:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	89.6	1	01/09/23 09:26	01/18/23 15:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	82.7	1	01/09/23 09:26	01/18/23 15:34	117-81-7	
Fluoranthene	ND	ug/kg	368	81.1	1	01/09/23 09:26	01/18/23 15:34	206-44-0	
Fluorene	ND	ug/kg	368	78.4	1	01/09/23 09:26	01/18/23 15:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	368	78.9	1	01/09/23 09:26	01/18/23 15:34	87-68-3	
Hexachlorobenzene	ND	ug/kg	368	77.0	1	01/09/23 09:26	01/18/23 15:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	368	227	1	01/09/23 09:26	01/18/23 15:34	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (12.5-14.5) Lab ID: 60419376016 Collected: 01/05/23 11:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	368	67.5	1	01/09/23 09:26	01/18/23 15:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	368	75.3	1	01/09/23 09:26	01/18/23 15:34	193-39-5	
Isophorone	ND	ug/kg	368	71.2	1	01/09/23 09:26	01/18/23 15:34	78-59-1	
2-Methylnaphthalene	ND	ug/kg	368	74.7	1	01/09/23 09:26	01/18/23 15:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	67.1	1	01/09/23 09:26	01/18/23 15:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	368	68.4	1	01/09/23 09:26	01/18/23 15:34	15831-10-4	
Naphthalene	ND	ug/kg	368	79.3	1	01/09/23 09:26	01/18/23 15:34	91-20-3	
2-Nitroaniline	ND	ug/kg	737	61.1	1	01/09/23 09:26	01/18/23 15:34	88-74-4	
3-Nitroaniline	ND	ug/kg	737	57.4	1	01/09/23 09:26	01/18/23 15:34	99-09-2	
4-Nitroaniline	ND	ug/kg	737	63.1	1	01/09/23 09:26	01/18/23 15:34	100-01-6	
Nitrobenzene	ND	ug/kg	368	78.0	1	01/09/23 09:26	01/18/23 15:34	98-95-3	
2-Nitrophenol	ND	ug/kg	368	57.6	1	01/09/23 09:26	01/18/23 15:34	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	54.2	1	01/09/23 09:26	01/18/23 15:34	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	368	70.2	1	01/09/23 09:26	01/18/23 15:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	73.2	1	01/09/23 09:26	01/18/23 15:34	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	122	1	01/09/23 09:26	01/18/23 15:34	87-86-5	
Phenanthrene	ND	ug/kg	368	78.7	1	01/09/23 09:26	01/18/23 15:34	85-01-8	
Phenol	ND	ug/kg	368	69.3	1	01/09/23 09:26	01/18/23 15:34	108-95-2	
Pyrene	ND	ug/kg	368	78.6	1	01/09/23 09:26	01/18/23 15:34	129-00-0	
Pyridine	ND	ug/kg	368	54.6	1	01/09/23 09:26	01/18/23 15:34	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	368	77.1	1	01/09/23 09:26	01/18/23 15:34	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	368	75.5	1	01/09/23 09:26	01/18/23 15:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	68.1	1	01/09/23 09:26	01/18/23 15:34	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	83	%	30-120		1	01/09/23 09:26	01/18/23 15:34	4165-60-0	
2-Fluorobiphenyl (S)	71	%	40-120		1	01/09/23 09:26	01/18/23 15:34	321-60-8	
Terphenyl-d14 (S)	74	%	45-120		1	01/09/23 09:26	01/18/23 15:34	1718-51-0	
Phenol-d6 (S)	76	%	40-120		1	01/09/23 09:26	01/18/23 15:34	13127-88-3	
2-Fluorophenol (S)	75	%	40-120		1	01/09/23 09:26	01/18/23 15:34	367-12-4	
2,4,6-Tribromophenol (S)	82	%	35-120		1	01/09/23 09:26	01/18/23 15:34	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	21.2	17.2	1	01/10/23 09:13	01/10/23 14:59	67-64-1	
Benzene	4.4J	ug/kg	5.3	0.52	1	01/10/23 09:13	01/10/23 14:59	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1.0	1	01/10/23 09:13	01/10/23 14:59	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	0.64	1	01/10/23 09:13	01/10/23 14:59	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	0.64	1	01/10/23 09:13	01/10/23 14:59	75-27-4	
Bromoform	ND	ug/kg	5.3	0.61	1	01/10/23 09:13	01/10/23 14:59	75-25-2	
Bromomethane	ND	ug/kg	5.3	3.1	1	01/10/23 09:13	01/10/23 14:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.6	3.6	1	01/10/23 09:13	01/10/23 14:59	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	0.69	1	01/10/23 09:13	01/10/23 14:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	0.78	1	01/10/23 09:13	01/10/23 14:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.6	0.94	1	01/10/23 09:13	01/10/23 14:59	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-6 (12.5-14.5) Lab ID: 60419376016 Collected: 01/05/23 11:50 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 14:59	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	0.91	1	01/10/23 09:13	01/10/23 14:59	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	0.67	1	01/10/23 09:13	01/10/23 14:59	108-90-7	
Chloroethane	ND	ug/kg	5.3	1.6	1	01/10/23 09:13	01/10/23 14:59	75-00-3	
Chloroform	ND	ug/kg	5.3	0.52	1	01/10/23 09:13	01/10/23 14:59	67-66-3	
Chloromethane	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 14:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	0.77	1	01/10/23 09:13	01/10/23 14:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	0.64	1	01/10/23 09:13	01/10/23 14:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.6	1.9	1	01/10/23 09:13	01/10/23 14:59	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	0.69	1	01/10/23 09:13	01/10/23 14:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	0.57	1	01/10/23 09:13	01/10/23 14:59	106-93-4	
Dibromomethane	ND	ug/kg	5.3	0.64	1	01/10/23 09:13	01/10/23 14:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	0.66	1	01/10/23 09:13	01/10/23 14:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	0.76	1	01/10/23 09:13	01/10/23 14:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	0.86	1	01/10/23 09:13	01/10/23 14:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	1.3	1	01/10/23 09:13	01/10/23 14:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	0.41	1	01/10/23 09:13	01/10/23 14:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	0.42	1	01/10/23 09:13	01/10/23 14:59	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 14:59	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.3	0.68	1	01/10/23 09:13	01/10/23 14:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	0.46	1	01/10/23 09:13	01/10/23 14:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	0.72	1	01/10/23 09:13	01/10/23 14:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.0	1	01/10/23 09:13	01/10/23 14:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	0.74	1	01/10/23 09:13	01/10/23 14:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	0.50	1	01/10/23 09:13	01/10/23 14:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	0.96	1	01/10/23 09:13	01/10/23 14:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	0.56	1	01/10/23 09:13	01/10/23 14:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	0.49	1	01/10/23 09:13	01/10/23 14:59	10061-02-6	
Ethylbenzene	3.2J	ug/kg	5.3	0.49	1	01/10/23 09:13	01/10/23 14:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	0.90	1	01/10/23 09:13	01/10/23 14:59	87-68-3	
2-Hexanone	ND	ug/kg	21.2	2.6	1	01/10/23 09:13	01/10/23 14:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	0.61	1	01/10/23 09:13	01/10/23 14:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	0.73	1	01/10/23 09:13	01/10/23 14:59	99-87-6	
Methylene Chloride	ND	ug/kg	5.3	2.9	1	01/10/23 09:13	01/10/23 14:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.6	3.2	1	01/10/23 09:13	01/10/23 14:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	0.51	1	01/10/23 09:13	01/10/23 14:59	1634-04-4	
Naphthalene	ND	ug/kg	10.6	0.87	1	01/10/23 09:13	01/10/23 14:59	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 14:59	103-65-1	
Styrene	ND	ug/kg	5.3	0.63	1	01/10/23 09:13	01/10/23 14:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	1	01/10/23 09:13	01/10/23 14:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	1	01/10/23 09:13	01/10/23 14:59	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	0.44	1	01/10/23 09:13	01/10/23 14:59	127-18-4	
Toluene	5.0J	ug/kg	5.3	0.37	1	01/10/23 09:13	01/10/23 14:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 14:59	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-6 (12.5-14.5)** Lab ID: **60419376016** Collected: 01/05/23 11:50 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	0.85	1	01/10/23 09:13	01/10/23 14:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	0.79	1	01/10/23 09:13	01/10/23 14:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	0.67	1	01/10/23 09:13	01/10/23 14:59	79-00-5	
Trichloroethene	ND	ug/kg	5.3	0.77	1	01/10/23 09:13	01/10/23 14:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	0.65	1	01/10/23 09:13	01/10/23 14:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	2.3	1	01/10/23 09:13	01/10/23 14:59	96-18-4	
1,2,4-Trimethylbenzene	<b>0.75J</b>	ug/kg	5.3	0.71	1	01/10/23 09:13	01/10/23 14:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	0.67	1	01/10/23 09:13	01/10/23 14:59	108-67-8	
Vinyl chloride	ND	ug/kg	5.3	0.71	1	01/10/23 09:13	01/10/23 14:59	75-01-4	
Xylene (Total)	<b>1.9J</b>	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 14:59	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	96	%	80-120		1	01/10/23 09:13	01/10/23 14:59	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-125		1	01/10/23 09:13	01/10/23 14:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120		1	01/10/23 09:13	01/10/23 14:59	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>11.0</b>	%	0.50	0.50	1		01/09/23 11:40
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-7 (0-3)**      **Lab ID: 60419376017**      Collected: 01/05/23 12:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.1	6.1	1	01/09/23 13:41	01/10/23 12:15		
MRH (C9-C18)	ND	mg/kg	6.8	4.1	1	01/09/23 13:41	01/10/23 12:15		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	93	%	40-140		1	01/09/23 13:41	01/10/23 12:15	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.2	0.21	1	01/10/23 09:11	01/12/23 00:01		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1	01/10/23 09:11	01/12/23 00:01	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1	01/10/23 09:11	01/12/23 00:01	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>2650</b>	mg/kg	22.1	4.0	1	01/09/23 10:08	01/16/23 16:15	7440-70-2	
Magnesium	<b>6500</b>	mg/kg	5.5	1.7	1	01/09/23 10:08	01/16/23 16:15	7439-95-4	
Potassium	<b>3350</b>	mg/kg	55.3	14.1	1	01/09/23 10:08	01/16/23 16:15	7440-09-7	
Sodium	<b>491</b>	mg/kg	55.3	3.7	1	01/09/23 10:08	01/16/23 16:15	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>25500</b>	mg/kg	55.3	9.7	10	01/09/23 10:08	01/13/23 13:06	7429-90-5	
Antimony	ND	mg/kg	1.1	0.46	10	01/09/23 10:08	01/13/23 13:06	7440-36-0	
Arsenic	<b>7.9</b>	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 13:06	7440-38-2	
Barium	<b>248</b>	mg/kg	1.1	0.36	10	01/09/23 10:08	01/13/23 13:06	7440-39-3	
Beryllium	<b>1.2</b>	mg/kg	0.55	0.046	10	01/09/23 10:08	01/13/23 13:06	7440-41-7	
Cadmium	ND	mg/kg	0.55	0.18	10	01/09/23 10:08	01/13/23 13:06	7440-43-9	
Chromium	<b>27.2</b>	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 13:06	7440-47-3	
Cobalt	<b>18.8</b>	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 13:06	7440-48-4	
Copper	<b>18.5</b>	mg/kg	1.1	0.28	10	01/09/23 10:08	01/13/23 13:06	7440-50-8	
Iron	<b>27800</b>	mg/kg	55.3	3.9	10	01/09/23 10:08	01/13/23 13:06	7439-89-6	
Lead	<b>15.1</b>	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 13:06	7439-92-1	
Manganese	<b>1510</b>	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 13:06	7439-96-5	
Nickel	<b>41.9</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:06	7440-02-0	
Selenium	<b>4.5</b>	mg/kg	1.1	0.30	10	01/09/23 10:08	01/13/23 13:06	7782-49-2	
Silver	ND	mg/kg	0.55	0.43	10	01/09/23 10:08	01/13/23 13:06	7440-22-4	
Thallium	ND	mg/kg	1.1	0.45	10	01/09/23 10:08	01/13/23 13:06	7440-28-0	
Vanadium	<b>32.7</b>	mg/kg	1.1	0.67	10	01/09/23 10:08	01/13/23 13:06	7440-62-2	
Zinc	<b>47.3</b>	mg/kg	11.1	1.7	10	01/09/23 10:08	01/13/23 13:06	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.049	0.014	1	01/09/23 10:03	01/10/23 12:06	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-7 (0-3) Lab ID: 60419376017 Collected: 01/05/23 12:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	407	87.5	1	01/09/23 09:26	01/18/23 15:56	83-32-9	
Acenaphthylene	ND	ug/kg	407	66.6	1	01/09/23 09:26	01/18/23 15:56	208-96-8	
Anthracene	ND	ug/kg	407	85.1	1	01/09/23 09:26	01/18/23 15:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	407	86.1	1	01/09/23 09:26	01/18/23 15:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	407	87.6	1	01/09/23 09:26	01/18/23 15:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	407	99.3	1	01/09/23 09:26	01/18/23 15:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	407	70.7	1	01/09/23 09:26	01/18/23 15:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	407	87.6	1	01/09/23 09:26	01/18/23 15:56	207-08-9	
Benzoic Acid	ND	ug/kg	2060	222	1	01/09/23 09:26	01/18/23 15:56	65-85-0	
Benzyl alcohol	ND	ug/kg	814	74.8	1	01/09/23 09:26	01/18/23 15:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	407	87.8	1	01/09/23 09:26	01/18/23 15:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	407	82.9	1	01/09/23 09:26	01/18/23 15:56	85-68-7	
Carbazole	ND	ug/kg	407	83.8	1	01/09/23 09:26	01/18/23 15:56	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	814	85.4	1	01/09/23 09:26	01/18/23 15:56	59-50-7	
4-Chloroaniline	ND	ug/kg	814	63.8	1	01/09/23 09:26	01/18/23 15:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	407	80.9	1	01/09/23 09:26	01/18/23 15:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	407	82.2	1	01/09/23 09:26	01/18/23 15:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	407	88.2	1	01/09/23 09:26	01/18/23 15:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	407	85.7	1	01/09/23 09:26	01/18/23 15:56	91-58-7	
2-Chlorophenol	ND	ug/kg	407	83.2	1	01/09/23 09:26	01/18/23 15:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	407	87.4	1	01/09/23 09:26	01/18/23 15:56	7005-72-3	
Chrysene	ND	ug/kg	407	90.7	1	01/09/23 09:26	01/18/23 15:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	407	73.2	1	01/09/23 09:26	01/18/23 15:56	53-70-3	
Dibenzofuran	ND	ug/kg	407	87.0	1	01/09/23 09:26	01/18/23 15:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	407	81.1	1	01/09/23 09:26	01/18/23 15:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	407	79.6	1	01/09/23 09:26	01/18/23 15:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	407	78.5	1	01/09/23 09:26	01/18/23 15:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	814	40.0	1	01/09/23 09:26	01/18/23 15:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	407	81.6	1	01/09/23 09:26	01/18/23 15:56	120-83-2	
Diethylphthalate	ND	ug/kg	407	93.0	1	01/09/23 09:26	01/18/23 15:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	407	59.2	1	01/09/23 09:26	01/18/23 15:56	105-67-9	
Dimethylphthalate	ND	ug/kg	407	84.5	1	01/09/23 09:26	01/18/23 15:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	407	96.4	1	01/09/23 09:26	01/18/23 15:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2060	70.5	1	01/09/23 09:26	01/18/23 15:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2060	123	1	01/09/23 09:26	01/18/23 15:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	407	91.7	1	01/09/23 09:26	01/18/23 15:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	407	79.3	1	01/09/23 09:26	01/18/23 15:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	407	99.1	1	01/09/23 09:26	01/18/23 15:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	407	91.4	1	01/09/23 09:26	01/18/23 15:56	117-81-7	
Fluoranthene	ND	ug/kg	407	89.7	1	01/09/23 09:26	01/18/23 15:56	206-44-0	
Fluorene	ND	ug/kg	407	86.6	1	01/09/23 09:26	01/18/23 15:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	407	87.2	1	01/09/23 09:26	01/18/23 15:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	407	85.1	1	01/09/23 09:26	01/18/23 15:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	407	250	1	01/09/23 09:26	01/18/23 15:56	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-7 (0-3) Lab ID: 60419376017 Collected: 01/05/23 12:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	407	74.6	1	01/09/23 09:26	01/18/23 15:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	407	83.3	1	01/09/23 09:26	01/18/23 15:56	193-39-5	
Isophorone	ND	ug/kg	407	78.7	1	01/09/23 09:26	01/18/23 15:56	78-59-1	
2-Methylnaphthalene	ND	ug/kg	407	82.5	1	01/09/23 09:26	01/18/23 15:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	407	74.2	1	01/09/23 09:26	01/18/23 15:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	407	75.6	1	01/09/23 09:26	01/18/23 15:56	15831-10-4	
Naphthalene	ND	ug/kg	407	87.6	1	01/09/23 09:26	01/18/23 15:56	91-20-3	
2-Nitroaniline	ND	ug/kg	814	67.5	1	01/09/23 09:26	01/18/23 15:56	88-74-4	
3-Nitroaniline	ND	ug/kg	814	63.4	1	01/09/23 09:26	01/18/23 15:56	99-09-2	
4-Nitroaniline	ND	ug/kg	814	69.7	1	01/09/23 09:26	01/18/23 15:56	100-01-6	
Nitrobenzene	ND	ug/kg	407	86.2	1	01/09/23 09:26	01/18/23 15:56	98-95-3	
2-Nitrophenol	ND	ug/kg	407	63.7	1	01/09/23 09:26	01/18/23 15:56	88-75-5	
4-Nitrophenol	ND	ug/kg	2060	60.0	1	01/09/23 09:26	01/18/23 15:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	407	77.6	1	01/09/23 09:26	01/18/23 15:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	407	80.9	1	01/09/23 09:26	01/18/23 15:56	86-30-6	
Pentachlorophenol	ND	ug/kg	2060	134	1	01/09/23 09:26	01/18/23 15:56	87-86-5	
Phenanthrene	ND	ug/kg	407	87.0	1	01/09/23 09:26	01/18/23 15:56	85-01-8	
Phenol	ND	ug/kg	407	76.6	1	01/09/23 09:26	01/18/23 15:56	108-95-2	
Pyrene	ND	ug/kg	407	86.9	1	01/09/23 09:26	01/18/23 15:56	129-00-0	
Pyridine	ND	ug/kg	407	60.3	1	01/09/23 09:26	01/18/23 15:56	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	407	85.3	1	01/09/23 09:26	01/18/23 15:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	407	83.4	1	01/09/23 09:26	01/18/23 15:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	407	75.3	1	01/09/23 09:26	01/18/23 15:56	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	79	%	30-120		1	01/09/23 09:26	01/18/23 15:56	4165-60-0	
2-Fluorobiphenyl (S)	67	%	40-120		1	01/09/23 09:26	01/18/23 15:56	321-60-8	
Terphenyl-d14 (S)	75	%	45-120		1	01/09/23 09:26	01/18/23 15:56	1718-51-0	
Phenol-d6 (S)	67	%	40-120		1	01/09/23 09:26	01/18/23 15:56	13127-88-3	
2-Fluorophenol (S)	62	%	40-120		1	01/09/23 09:26	01/18/23 15:56	367-12-4	
2,4,6-Tribromophenol (S)	82	%	35-120		1	01/09/23 09:26	01/18/23 15:56	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	39.1	ug/kg	22.3	18.1	1	01/10/23 09:13	01/10/23 13:54	67-64-1	
Benzene	ND	ug/kg	5.6	0.55	1	01/10/23 09:13	01/10/23 13:54	71-43-2	
Bromobenzene	ND	ug/kg	5.6	1.0	1	01/10/23 09:13	01/10/23 13:54	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	0.67	1	01/10/23 09:13	01/10/23 13:54	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	0.67	1	01/10/23 09:13	01/10/23 13:54	75-27-4	
Bromoform	ND	ug/kg	5.6	0.64	1	01/10/23 09:13	01/10/23 13:54	75-25-2	
Bromomethane	ND	ug/kg	5.6	3.3	1	01/10/23 09:13	01/10/23 13:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11.2	3.8	1	01/10/23 09:13	01/10/23 13:54	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	0.73	1	01/10/23 09:13	01/10/23 13:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	0.82	1	01/10/23 09:13	01/10/23 13:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	27.9	0.99	1	01/10/23 09:13	01/10/23 13:54	98-06-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-7 (0-3) Lab ID: 60419376017 Collected: 01/05/23 12:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.6	0.72	1	01/10/23 09:13	01/10/23 13:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	0.96	1	01/10/23 09:13	01/10/23 13:54	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	0.70	1	01/10/23 09:13	01/10/23 13:54	108-90-7	
Chloroethane	ND	ug/kg	5.6	1.7	1	01/10/23 09:13	01/10/23 13:54	75-00-3	
Chloroform	ND	ug/kg	5.6	0.55	1	01/10/23 09:13	01/10/23 13:54	67-66-3	
Chloromethane	ND	ug/kg	5.6	0.89	1	01/10/23 09:13	01/10/23 13:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	0.81	1	01/10/23 09:13	01/10/23 13:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	0.67	1	01/10/23 09:13	01/10/23 13:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.2	2.0	1	01/10/23 09:13	01/10/23 13:54	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	0.72	1	01/10/23 09:13	01/10/23 13:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	0.60	1	01/10/23 09:13	01/10/23 13:54	106-93-4	
Dibromomethane	ND	ug/kg	5.6	0.67	1	01/10/23 09:13	01/10/23 13:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	0.70	1	01/10/23 09:13	01/10/23 13:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	0.80	1	01/10/23 09:13	01/10/23 13:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	0.90	1	01/10/23 09:13	01/10/23 13:54	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.6	1.3	1	01/10/23 09:13	01/10/23 13:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	0.44	1	01/10/23 09:13	01/10/23 13:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	0.45	1	01/10/23 09:13	01/10/23 13:54	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.6	1.2	1	01/10/23 09:13	01/10/23 13:54	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.6	0.71	1	01/10/23 09:13	01/10/23 13:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	0.48	1	01/10/23 09:13	01/10/23 13:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	0.76	1	01/10/23 09:13	01/10/23 13:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1.1	1	01/10/23 09:13	01/10/23 13:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	0.77	1	01/10/23 09:13	01/10/23 13:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	0.53	1	01/10/23 09:13	01/10/23 13:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1.0	1	01/10/23 09:13	01/10/23 13:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	0.59	1	01/10/23 09:13	01/10/23 13:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	0.51	1	01/10/23 09:13	01/10/23 13:54	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	0.52	1	01/10/23 09:13	01/10/23 13:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	0.95	1	01/10/23 09:13	01/10/23 13:54	87-68-3	
2-Hexanone	ND	ug/kg	22.3	2.8	1	01/10/23 09:13	01/10/23 13:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	0.64	1	01/10/23 09:13	01/10/23 13:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	0.77	1	01/10/23 09:13	01/10/23 13:54	99-87-6	
Methylene Chloride	ND	ug/kg	5.6	3.1	1	01/10/23 09:13	01/10/23 13:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.2	3.4	1	01/10/23 09:13	01/10/23 13:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	0.54	1	01/10/23 09:13	01/10/23 13:54	1634-04-4	
Naphthalene	ND	ug/kg	11.2	0.92	1	01/10/23 09:13	01/10/23 13:54	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	0.90	1	01/10/23 09:13	01/10/23 13:54	103-65-1	
Styrene	ND	ug/kg	5.6	0.66	1	01/10/23 09:13	01/10/23 13:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1.1	1	01/10/23 09:13	01/10/23 13:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1.1	1	01/10/23 09:13	01/10/23 13:54	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	0.46	1	01/10/23 09:13	01/10/23 13:54	127-18-4	
Toluene	ND	ug/kg	5.6	0.39	1	01/10/23 09:13	01/10/23 13:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	0.89	1	01/10/23 09:13	01/10/23 13:54	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-7 (0-3)** Lab ID: **60419376017** Collected: 01/05/23 12:45 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	0.89	1	01/10/23 09:13	01/10/23 13:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	0.84	1	01/10/23 09:13	01/10/23 13:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	0.70	1	01/10/23 09:13	01/10/23 13:54	79-00-5	
Trichloroethene	ND	ug/kg	5.6	0.81	1	01/10/23 09:13	01/10/23 13:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	0.69	1	01/10/23 09:13	01/10/23 13:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	2.4	1	01/10/23 09:13	01/10/23 13:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	0.75	1	01/10/23 09:13	01/10/23 13:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	0.70	1	01/10/23 09:13	01/10/23 13:54	108-67-8	
Vinyl chloride	ND	ug/kg	5.6	0.74	1	01/10/23 09:13	01/10/23 13:54	75-01-4	
Xylene (Total)	ND	ug/kg	5.6	1.3	1	01/10/23 09:13	01/10/23 13:54	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 13:54	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125		1	01/10/23 09:13	01/10/23 13:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120		1	01/10/23 09:13	01/10/23 13:54	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>19.3</b>	%	0.50	0.50	1		01/09/23 11:40		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-7 (10.5-12.5)**      **Lab ID: 60419376018**      Collected: 01/05/23 12:57      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	8.4	5.6	1	01/09/23 13:41	01/10/23 12:23		
MRH (C9-C18)	ND	mg/kg	6.3	3.8	1	01/09/23 13:41	01/10/23 12:23		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	93	%	40-140		1	01/09/23 13:41	01/10/23 12:23	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	5.7	0.19	1	01/17/23 12:00	01/17/23 19:05		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1	01/17/23 12:00	01/17/23 19:05	460-00-4	
Dibromofluoromethane (S)	77	%	70-130		1	01/17/23 12:00	01/17/23 19:05	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>173000</b>	mg/kg	64.9	11.8	3	01/09/23 10:08	01/17/23 10:17	7440-70-2	
Magnesium	<b>15600</b>	mg/kg	5.4	1.7	1	01/09/23 10:08	01/16/23 16:24	7439-95-4	
Potassium	<b>6760</b>	mg/kg	54.1	13.7	1	01/09/23 10:08	01/16/23 16:24	7440-09-7	
Sodium	<b>606</b>	mg/kg	54.1	3.6	1	01/09/23 10:08	01/16/23 16:24	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>18700</b>	mg/kg	54.1	9.5	10	01/09/23 10:08	01/13/23 13:09	7429-90-5	
Antimony	ND	mg/kg	1.1	0.45	10	01/09/23 10:08	01/13/23 13:09	7440-36-0	
Arsenic	<b>1.6</b>	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 13:09	7440-38-2	
Barium	<b>87.7</b>	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 13:09	7440-39-3	
Beryllium	<b>1.0</b>	mg/kg	0.54	0.045	10	01/09/23 10:08	01/13/23 13:09	7440-41-7	
Cadmium	<b>0.19J</b>	mg/kg	0.54	0.17	10	01/09/23 10:08	01/13/23 13:09	7440-43-9	
Chromium	<b>25.4</b>	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 13:09	7440-47-3	
Cobalt	<b>12.8</b>	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 13:09	7440-48-4	
Copper	<b>9.7</b>	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 13:09	7440-50-8	
Iron	<b>26200</b>	mg/kg	54.1	3.8	10	01/09/23 10:08	01/13/23 13:09	7439-89-6	
Lead	<b>8.0</b>	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 13:09	7439-92-1	
Manganese	<b>1360</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:09	7439-96-5	
Nickel	<b>29.7</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:09	7440-02-0	
Selenium	<b>3.0</b>	mg/kg	1.1	0.30	10	01/09/23 10:08	01/13/23 13:09	7782-49-2	
Silver	ND	mg/kg	0.54	0.42	10	01/09/23 10:08	01/13/23 13:09	7440-22-4	
Thallium	ND	mg/kg	1.1	0.44	10	01/09/23 10:08	01/13/23 13:09	7440-28-0	
Vanadium	<b>25.7</b>	mg/kg	1.1	0.65	10	01/09/23 10:08	01/13/23 13:09	7440-62-2	
Zinc	<b>34.0</b>	mg/kg	10.8	1.6	10	01/09/23 10:08	01/13/23 13:09	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.054	0.016	1	01/09/23 10:03	01/10/23 12:09	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-7 (10.5-12.5) Lab ID: 60419376018 Collected: 01/05/23 12:57 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	367	78.7	1	01/09/23 09:26	01/18/23 16:18	83-32-9	
Acenaphthylene	ND	ug/kg	367	60.0	1	01/09/23 09:26	01/18/23 16:18	208-96-8	
Anthracene	ND	ug/kg	367	76.6	1	01/09/23 09:26	01/18/23 16:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	367	77.5	1	01/09/23 09:26	01/18/23 16:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	367	78.9	1	01/09/23 09:26	01/18/23 16:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	367	89.4	1	01/09/23 09:26	01/18/23 16:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	367	63.6	1	01/09/23 09:26	01/18/23 16:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	367	78.9	1	01/09/23 09:26	01/18/23 16:18	207-08-9	
Benzoic Acid	ND	ug/kg	1850	200	1	01/09/23 09:26	01/18/23 16:18	65-85-0	
Benzyl alcohol	ND	ug/kg	733	67.3	1	01/09/23 09:26	01/18/23 16:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	367	79.1	1	01/09/23 09:26	01/18/23 16:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	367	74.6	1	01/09/23 09:26	01/18/23 16:18	85-68-7	
Carbazole	ND	ug/kg	367	75.4	1	01/09/23 09:26	01/18/23 16:18	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	733	76.9	1	01/09/23 09:26	01/18/23 16:18	59-50-7	
4-Chloroaniline	ND	ug/kg	733	57.4	1	01/09/23 09:26	01/18/23 16:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	367	72.9	1	01/09/23 09:26	01/18/23 16:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	367	74.0	1	01/09/23 09:26	01/18/23 16:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	367	79.4	1	01/09/23 09:26	01/18/23 16:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	367	77.2	1	01/09/23 09:26	01/18/23 16:18	91-58-7	
2-Chlorophenol	ND	ug/kg	367	74.9	1	01/09/23 09:26	01/18/23 16:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	367	78.6	1	01/09/23 09:26	01/18/23 16:18	7005-72-3	
Chrysene	ND	ug/kg	367	81.6	1	01/09/23 09:26	01/18/23 16:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	367	65.9	1	01/09/23 09:26	01/18/23 16:18	53-70-3	
Dibenzofuran	ND	ug/kg	367	78.3	1	01/09/23 09:26	01/18/23 16:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	367	73.0	1	01/09/23 09:26	01/18/23 16:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	367	71.6	1	01/09/23 09:26	01/18/23 16:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	367	70.6	1	01/09/23 09:26	01/18/23 16:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	733	36.0	1	01/09/23 09:26	01/18/23 16:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	367	73.4	1	01/09/23 09:26	01/18/23 16:18	120-83-2	
Diethylphthalate	ND	ug/kg	367	83.7	1	01/09/23 09:26	01/18/23 16:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	367	53.3	1	01/09/23 09:26	01/18/23 16:18	105-67-9	
Dimethylphthalate	ND	ug/kg	367	76.1	1	01/09/23 09:26	01/18/23 16:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	367	86.7	1	01/09/23 09:26	01/18/23 16:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1850	63.4	1	01/09/23 09:26	01/18/23 16:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1850	111	1	01/09/23 09:26	01/18/23 16:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	367	82.5	1	01/09/23 09:26	01/18/23 16:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	367	71.4	1	01/09/23 09:26	01/18/23 16:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	367	89.2	1	01/09/23 09:26	01/18/23 16:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	367	82.3	1	01/09/23 09:26	01/18/23 16:18	117-81-7	
Fluoranthene	ND	ug/kg	367	80.7	1	01/09/23 09:26	01/18/23 16:18	206-44-0	
Fluorene	ND	ug/kg	367	78.0	1	01/09/23 09:26	01/18/23 16:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	367	78.5	1	01/09/23 09:26	01/18/23 16:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	367	76.6	1	01/09/23 09:26	01/18/23 16:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	367	225	1	01/09/23 09:26	01/18/23 16:18	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-7 (10.5-12.5) Lab ID: 60419376018 Collected: 01/05/23 12:57 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	367	67.2	1	01/09/23 09:26	01/18/23 16:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	367	75.0	1	01/09/23 09:26	01/18/23 16:18	193-39-5	
Isophorone	ND	ug/kg	367	70.9	1	01/09/23 09:26	01/18/23 16:18	78-59-1	
2-Methylnaphthalene	ND	ug/kg	367	74.3	1	01/09/23 09:26	01/18/23 16:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	367	66.8	1	01/09/23 09:26	01/18/23 16:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	367	68.1	1	01/09/23 09:26	01/18/23 16:18	15831-10-4	
Naphthalene	ND	ug/kg	367	78.9	1	01/09/23 09:26	01/18/23 16:18	91-20-3	
2-Nitroaniline	ND	ug/kg	733	60.8	1	01/09/23 09:26	01/18/23 16:18	88-74-4	
3-Nitroaniline	ND	ug/kg	733	57.1	1	01/09/23 09:26	01/18/23 16:18	99-09-2	
4-Nitroaniline	ND	ug/kg	733	62.8	1	01/09/23 09:26	01/18/23 16:18	100-01-6	
Nitrobenzene	ND	ug/kg	367	77.6	1	01/09/23 09:26	01/18/23 16:18	98-95-3	
2-Nitrophenol	ND	ug/kg	367	57.3	1	01/09/23 09:26	01/18/23 16:18	88-75-5	
4-Nitrophenol	ND	ug/kg	1850	54.0	1	01/09/23 09:26	01/18/23 16:18	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	367	69.9	1	01/09/23 09:26	01/18/23 16:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	367	72.9	1	01/09/23 09:26	01/18/23 16:18	86-30-6	
Pentachlorophenol	ND	ug/kg	1850	121	1	01/09/23 09:26	01/18/23 16:18	87-86-5	
Phenanthrene	ND	ug/kg	367	78.3	1	01/09/23 09:26	01/18/23 16:18	85-01-8	
Phenol	ND	ug/kg	367	69.0	1	01/09/23 09:26	01/18/23 16:18	108-95-2	
Pyrene	ND	ug/kg	367	78.2	1	01/09/23 09:26	01/18/23 16:18	129-00-0	
Pyridine	ND	ug/kg	367	54.3	1	01/09/23 09:26	01/18/23 16:18	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	367	76.7	1	01/09/23 09:26	01/18/23 16:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	367	75.1	1	01/09/23 09:26	01/18/23 16:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	367	67.8	1	01/09/23 09:26	01/18/23 16:18	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	81	%	30-120		1	01/09/23 09:26	01/18/23 16:18	4165-60-0	
2-Fluorobiphenyl (S)	69	%	40-120		1	01/09/23 09:26	01/18/23 16:18	321-60-8	
Terphenyl-d14 (S)	71	%	45-120		1	01/09/23 09:26	01/18/23 16:18	1718-51-0	
Phenol-d6 (S)	70	%	40-120		1	01/09/23 09:26	01/18/23 16:18	13127-88-3	
2-Fluorophenol (S)	64	%	40-120		1	01/09/23 09:26	01/18/23 16:18	367-12-4	
2,4,6-Tribromophenol (S)	79	%	35-120		1	01/09/23 09:26	01/18/23 16:18	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	20.9	17.0	1	01/10/23 09:13	01/10/23 15:15	67-64-1	
Benzene	2.9J	ug/kg	5.2	0.52	1	01/10/23 09:13	01/10/23 15:15	71-43-2	
Bromobenzene	ND	ug/kg	5.2	0.98	1	01/10/23 09:13	01/10/23 15:15	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	0.63	1	01/10/23 09:13	01/10/23 15:15	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	0.63	1	01/10/23 09:13	01/10/23 15:15	75-27-4	
Bromoform	ND	ug/kg	5.2	0.60	1	01/10/23 09:13	01/10/23 15:15	75-25-2	
Bromomethane	ND	ug/kg	5.2	3.1	1	01/10/23 09:13	01/10/23 15:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.5	3.6	1	01/10/23 09:13	01/10/23 15:15	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	0.68	1	01/10/23 09:13	01/10/23 15:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	0.77	1	01/10/23 09:13	01/10/23 15:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	26.2	0.92	1	01/10/23 09:13	01/10/23 15:15	98-06-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-7 (10.5-12.5) Lab ID: 60419376018 Collected: 01/05/23 12:57 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.2	0.67	1	01/10/23 09:13	01/10/23 15:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	0.90	1	01/10/23 09:13	01/10/23 15:15	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	0.66	1	01/10/23 09:13	01/10/23 15:15	108-90-7	
Chloroethane	ND	ug/kg	5.2	1.6	1	01/10/23 09:13	01/10/23 15:15	75-00-3	
Chloroform	ND	ug/kg	5.2	0.52	1	01/10/23 09:13	01/10/23 15:15	67-66-3	
Chloromethane	ND	ug/kg	5.2	0.84	1	01/10/23 09:13	01/10/23 15:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	0.76	1	01/10/23 09:13	01/10/23 15:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	0.63	1	01/10/23 09:13	01/10/23 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.5	1.9	1	01/10/23 09:13	01/10/23 15:15	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	0.68	1	01/10/23 09:13	01/10/23 15:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	0.56	1	01/10/23 09:13	01/10/23 15:15	106-93-4	
Dibromomethane	ND	ug/kg	5.2	0.63	1	01/10/23 09:13	01/10/23 15:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	0.65	1	01/10/23 09:13	01/10/23 15:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	0.75	1	01/10/23 09:13	01/10/23 15:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	0.85	1	01/10/23 09:13	01/10/23 15:15	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.2	1.2	1	01/10/23 09:13	01/10/23 15:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	0.41	1	01/10/23 09:13	01/10/23 15:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	0.42	1	01/10/23 09:13	01/10/23 15:15	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.2	1.2	1	01/10/23 09:13	01/10/23 15:15	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.2	0.67	1	01/10/23 09:13	01/10/23 15:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	0.45	1	01/10/23 09:13	01/10/23 15:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	0.71	1	01/10/23 09:13	01/10/23 15:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.0	1	01/10/23 09:13	01/10/23 15:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	0.72	1	01/10/23 09:13	01/10/23 15:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	0.50	1	01/10/23 09:13	01/10/23 15:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	0.94	1	01/10/23 09:13	01/10/23 15:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	0.56	1	01/10/23 09:13	01/10/23 15:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	0.48	1	01/10/23 09:13	01/10/23 15:15	10061-02-6	
Ethylbenzene	2.3J	ug/kg	5.2	0.48	1	01/10/23 09:13	01/10/23 15:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	0.89	1	01/10/23 09:13	01/10/23 15:15	87-68-3	
2-Hexanone	ND	ug/kg	20.9	2.6	1	01/10/23 09:13	01/10/23 15:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	0.60	1	01/10/23 09:13	01/10/23 15:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	0.72	1	01/10/23 09:13	01/10/23 15:15	99-87-6	
Methylene Chloride	ND	ug/kg	5.2	2.9	1	01/10/23 09:13	01/10/23 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.5	3.2	1	01/10/23 09:13	01/10/23 15:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	0.50	1	01/10/23 09:13	01/10/23 15:15	1634-04-4	
Naphthalene	ND	ug/kg	10.5	0.86	1	01/10/23 09:13	01/10/23 15:15	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	0.84	1	01/10/23 09:13	01/10/23 15:15	103-65-1	
Styrene	ND	ug/kg	5.2	0.62	1	01/10/23 09:13	01/10/23 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1.1	1	01/10/23 09:13	01/10/23 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1.0	1	01/10/23 09:13	01/10/23 15:15	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	0.43	1	01/10/23 09:13	01/10/23 15:15	127-18-4	
Toluene	3.8J	ug/kg	5.2	0.37	1	01/10/23 09:13	01/10/23 15:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	0.83	1	01/10/23 09:13	01/10/23 15:15	87-61-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-7 (10.5-12.5)**      **Lab ID: 60419376018**      Collected: 01/05/23 12:57      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	0.83	1	01/10/23 09:13	01/10/23 15:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	0.78	1	01/10/23 09:13	01/10/23 15:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	0.66	1	01/10/23 09:13	01/10/23 15:15	79-00-5	
Trichloroethene	ND	ug/kg	5.2	0.76	1	01/10/23 09:13	01/10/23 15:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	0.64	1	01/10/23 09:13	01/10/23 15:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	2.2	1	01/10/23 09:13	01/10/23 15:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	0.70	1	01/10/23 09:13	01/10/23 15:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	0.66	1	01/10/23 09:13	01/10/23 15:15	108-67-8	
Vinyl chloride	ND	ug/kg	5.2	0.70	1	01/10/23 09:13	01/10/23 15:15	75-01-4	
Xylene (Total)	<b>1.8J</b>	ug/kg	5.2	1.2	1	01/10/23 09:13	01/10/23 15:15	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	80-120		1	01/10/23 09:13	01/10/23 15:15	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-125		1	01/10/23 09:13	01/10/23 15:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120		1	01/10/23 09:13	01/10/23 15:15	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>11.1</b>	%	0.50	0.50	1		01/09/23 11:41		
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-8 (0-3)**      **Lab ID: 60419376019**      Collected: 01/05/23 13:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	9.2	6.1	1	01/09/23 13:41	01/10/23 12:31		
MRH (C9-C18)	ND	mg/kg	6.9	4.2	1	01/09/23 13:41	01/10/23 12:31		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	80	%	40-140		1	01/09/23 13:41	01/10/23 12:31	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	5.8	0.20	1	01/10/23 09:11	01/12/23 00:32		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1	01/10/23 09:11	01/12/23 00:32	460-00-4	
Dibromofluoromethane (S)	85	%	70-130		1	01/10/23 09:11	01/12/23 00:32	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>5500</b>	mg/kg	64.0	11.6	3	01/09/23 10:08	01/17/23 10:19	7440-70-2	
Magnesium	<b>6250</b>	mg/kg	16.0	4.9	3	01/09/23 10:08	01/17/23 10:19	7439-95-4	
Potassium	<b>3550</b>	mg/kg	160	40.6	3	01/09/23 10:08	01/17/23 10:19	7440-09-7	
Sodium	<b>292</b>	mg/kg	160	10.6	3	01/09/23 10:08	01/17/23 10:19	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>22800</b>	mg/kg	53.3	9.4	10	01/09/23 10:08	01/13/23 13:16	7429-90-5	
Antimony	ND	mg/kg	1.1	0.45	10	01/09/23 10:08	01/13/23 13:16	7440-36-0	
Arsenic	<b>13.5</b>	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 13:16	7440-38-2	
Barium	<b>495</b>	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 13:16	7440-39-3	
Beryllium	<b>1.5</b>	mg/kg	0.53	0.044	10	01/09/23 10:08	01/13/23 13:16	7440-41-7	
Cadmium	<b>0.65</b>	mg/kg	0.53	0.17	10	01/09/23 10:08	01/13/23 13:16	7440-43-9	
Chromium	<b>32.5</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:16	7440-47-3	
Cobalt	<b>19.3</b>	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 13:16	7440-48-4	
Copper	<b>42.7</b>	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 13:16	7440-50-8	
Iron	<b>93000</b>	mg/kg	53.3	3.7	10	01/09/23 10:08	01/13/23 13:16	7439-89-6	
Lead	<b>21.8</b>	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 13:16	7439-92-1	
Manganese	<b>3690</b>	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:16	7439-96-5	
Nickel	<b>46.5</b>	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:16	7440-02-0	
Selenium	<b>10.3</b>	mg/kg	1.1	0.29	10	01/09/23 10:08	01/13/23 13:16	7782-49-2	
Silver	ND	mg/kg	0.53	0.41	10	01/09/23 10:08	01/13/23 13:16	7440-22-4	
Thallium	ND	mg/kg	1.1	0.43	10	01/09/23 10:08	01/13/23 13:16	7440-28-0	
Vanadium	<b>63.6</b>	mg/kg	1.1	0.65	10	01/09/23 10:08	01/13/23 13:16	7440-62-2	
Zinc	<b>60.6</b>	mg/kg	10.7	1.6	10	01/09/23 10:08	01/13/23 13:16	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.045	0.013	1	01/09/23 10:03	01/10/23 12:11	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-8 (0-3) Lab ID: 60419376019 Collected: 01/05/23 13:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	375	80.7	1	01/09/23 09:26	01/18/23 16:39	83-32-9	
Acenaphthylene	ND	ug/kg	375	61.4	1	01/09/23 09:26	01/18/23 16:39	208-96-8	
Anthracene	ND	ug/kg	375	78.5	1	01/09/23 09:26	01/18/23 16:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	375	79.4	1	01/09/23 09:26	01/18/23 16:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	375	80.8	1	01/09/23 09:26	01/18/23 16:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	375	91.6	1	01/09/23 09:26	01/18/23 16:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	375	65.2	1	01/09/23 09:26	01/18/23 16:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	375	80.8	1	01/09/23 09:26	01/18/23 16:39	207-08-9	
Benzoic Acid	ND	ug/kg	1900	205	1	01/09/23 09:26	01/18/23 16:39	65-85-0	
Benzyl alcohol	ND	ug/kg	751	69.0	1	01/09/23 09:26	01/18/23 16:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	375	81.0	1	01/09/23 09:26	01/18/23 16:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	375	76.5	1	01/09/23 09:26	01/18/23 16:39	85-68-7	
Carbazole	ND	ug/kg	375	77.3	1	01/09/23 09:26	01/18/23 16:39	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	751	78.7	1	01/09/23 09:26	01/18/23 16:39	59-50-7	
4-Chloroaniline	ND	ug/kg	751	58.8	1	01/09/23 09:26	01/18/23 16:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	375	74.6	1	01/09/23 09:26	01/18/23 16:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	375	75.8	1	01/09/23 09:26	01/18/23 16:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	375	81.4	1	01/09/23 09:26	01/18/23 16:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	375	79.1	1	01/09/23 09:26	01/18/23 16:39	91-58-7	
2-Chlorophenol	ND	ug/kg	375	76.7	1	01/09/23 09:26	01/18/23 16:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	375	80.6	1	01/09/23 09:26	01/18/23 16:39	7005-72-3	
Chrysene	ND	ug/kg	375	83.6	1	01/09/23 09:26	01/18/23 16:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	375	67.5	1	01/09/23 09:26	01/18/23 16:39	53-70-3	
Dibenzofuran	ND	ug/kg	375	80.2	1	01/09/23 09:26	01/18/23 16:39	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	375	74.8	1	01/09/23 09:26	01/18/23 16:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	375	73.4	1	01/09/23 09:26	01/18/23 16:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	375	72.4	1	01/09/23 09:26	01/18/23 16:39	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	751	36.9	1	01/09/23 09:26	01/18/23 16:39	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	375	75.2	1	01/09/23 09:26	01/18/23 16:39	120-83-2	
Diethylphthalate	ND	ug/kg	375	85.8	1	01/09/23 09:26	01/18/23 16:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	375	54.6	1	01/09/23 09:26	01/18/23 16:39	105-67-9	
Dimethylphthalate	ND	ug/kg	375	77.9	1	01/09/23 09:26	01/18/23 16:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	375	88.9	1	01/09/23 09:26	01/18/23 16:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1900	65.0	1	01/09/23 09:26	01/18/23 16:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	113	1	01/09/23 09:26	01/18/23 16:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	375	84.5	1	01/09/23 09:26	01/18/23 16:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	375	73.2	1	01/09/23 09:26	01/18/23 16:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	375	91.4	1	01/09/23 09:26	01/18/23 16:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	375	84.3	1	01/09/23 09:26	01/18/23 16:39	117-81-7	
Fluoranthene	ND	ug/kg	375	82.7	1	01/09/23 09:26	01/18/23 16:39	206-44-0	
Fluorene	ND	ug/kg	375	79.9	1	01/09/23 09:26	01/18/23 16:39	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	375	80.4	1	01/09/23 09:26	01/18/23 16:39	87-68-3	
Hexachlorobenzene	ND	ug/kg	375	78.5	1	01/09/23 09:26	01/18/23 16:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	375	231	1	01/09/23 09:26	01/18/23 16:39	77-47-4	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-8 (0-3)**      **Lab ID: 60419376019**      Collected: 01/05/23 13:45      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	375	68.8	1	01/09/23 09:26	01/18/23 16:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	375	76.8	1	01/09/23 09:26	01/18/23 16:39	193-39-5	
Isophorone	ND	ug/kg	375	72.6	1	01/09/23 09:26	01/18/23 16:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	375	76.1	1	01/09/23 09:26	01/18/23 16:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	375	68.4	1	01/09/23 09:26	01/18/23 16:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	375	69.7	1	01/09/23 09:26	01/18/23 16:39	15831-10-4	
Naphthalene	ND	ug/kg	375	80.8	1	01/09/23 09:26	01/18/23 16:39	91-20-3	
2-Nitroaniline	ND	ug/kg	751	62.2	1	01/09/23 09:26	01/18/23 16:39	88-74-4	
3-Nitroaniline	ND	ug/kg	751	58.5	1	01/09/23 09:26	01/18/23 16:39	99-09-2	
4-Nitroaniline	ND	ug/kg	751	64.3	1	01/09/23 09:26	01/18/23 16:39	100-01-6	
Nitrobenzene	ND	ug/kg	375	79.5	1	01/09/23 09:26	01/18/23 16:39	98-95-3	
2-Nitrophenol	ND	ug/kg	375	58.7	1	01/09/23 09:26	01/18/23 16:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	55.3	1	01/09/23 09:26	01/18/23 16:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	375	71.6	1	01/09/23 09:26	01/18/23 16:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	375	74.6	1	01/09/23 09:26	01/18/23 16:39	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	124	1	01/09/23 09:26	01/18/23 16:39	87-86-5	
Phenanthrene	ND	ug/kg	375	80.2	1	01/09/23 09:26	01/18/23 16:39	85-01-8	
Phenol	ND	ug/kg	375	70.7	1	01/09/23 09:26	01/18/23 16:39	108-95-2	
Pyrene	ND	ug/kg	375	80.1	1	01/09/23 09:26	01/18/23 16:39	129-00-0	
Pyridine	ND	ug/kg	375	55.6	1	01/09/23 09:26	01/18/23 16:39	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	375	78.6	1	01/09/23 09:26	01/18/23 16:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	375	76.9	1	01/09/23 09:26	01/18/23 16:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	375	69.4	1	01/09/23 09:26	01/18/23 16:39	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	78	%	30-120		1	01/09/23 09:26	01/18/23 16:39	4165-60-0	
2-Fluorobiphenyl (S)	67	%	40-120		1	01/09/23 09:26	01/18/23 16:39	321-60-8	
Terphenyl-d14 (S)	71	%	45-120		1	01/09/23 09:26	01/18/23 16:39	1718-51-0	
Phenol-d6 (S)	66	%	40-120		1	01/09/23 09:26	01/18/23 16:39	13127-88-3	
2-Fluorophenol (S)	62	%	40-120		1	01/09/23 09:26	01/18/23 16:39	367-12-4	
2,4,6-Tribromophenol (S)	76	%	35-120		1	01/09/23 09:26	01/18/23 16:39	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	<b>58.5</b>	ug/kg	20.7	16.8	1	01/10/23 09:13	01/10/23 14:10	67-64-1	
Benzene	ND	ug/kg	5.2	0.51	1	01/10/23 09:13	01/10/23 14:10	71-43-2	
Bromobenzene	ND	ug/kg	5.2	0.97	1	01/10/23 09:13	01/10/23 14:10	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	0.62	1	01/10/23 09:13	01/10/23 14:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	0.62	1	01/10/23 09:13	01/10/23 14:10	75-27-4	
Bromoform	ND	ug/kg	5.2	0.60	1	01/10/23 09:13	01/10/23 14:10	75-25-2	
Bromomethane	ND	ug/kg	5.2	3.0	1	01/10/23 09:13	01/10/23 14:10	74-83-9	
2-Butanone (MEK)	<b>7.6J</b>	ug/kg	10.4	3.5	1	01/10/23 09:13	01/10/23 14:10	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	0.67	1	01/10/23 09:13	01/10/23 14:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	0.76	1	01/10/23 09:13	01/10/23 14:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.9	0.91	1	01/10/23 09:13	01/10/23 14:10	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-8 (0-3) Lab ID: 60419376019 Collected: 01/05/23 13:45 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	5.2	0.67	1	01/10/23 09:13	01/10/23 14:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	0.89	1	01/10/23 09:13	01/10/23 14:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	0.65	1	01/10/23 09:13	01/10/23 14:10	108-90-7	
Chloroethane	ND	ug/kg	5.2	1.6	1	01/10/23 09:13	01/10/23 14:10	75-00-3	
Chloroform	ND	ug/kg	5.2	0.51	1	01/10/23 09:13	01/10/23 14:10	67-66-3	
Chloromethane	ND	ug/kg	5.2	0.83	1	01/10/23 09:13	01/10/23 14:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	0.75	1	01/10/23 09:13	01/10/23 14:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	0.62	1	01/10/23 09:13	01/10/23 14:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.4	1.9	1	01/10/23 09:13	01/10/23 14:10	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	0.67	1	01/10/23 09:13	01/10/23 14:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	0.55	1	01/10/23 09:13	01/10/23 14:10	106-93-4	
Dibromomethane	ND	ug/kg	5.2	0.62	1	01/10/23 09:13	01/10/23 14:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	0.65	1	01/10/23 09:13	01/10/23 14:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	0.74	1	01/10/23 09:13	01/10/23 14:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	0.84	1	01/10/23 09:13	01/10/23 14:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.2	1.2	1	01/10/23 09:13	01/10/23 14:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	0.40	1	01/10/23 09:13	01/10/23 14:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	0.41	1	01/10/23 09:13	01/10/23 14:10	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.2	1.1	1	01/10/23 09:13	01/10/23 14:10	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.2	0.66	1	01/10/23 09:13	01/10/23 14:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	0.45	1	01/10/23 09:13	01/10/23 14:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	0.70	1	01/10/23 09:13	01/10/23 14:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.0	1	01/10/23 09:13	01/10/23 14:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	0.72	1	01/10/23 09:13	01/10/23 14:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	0.49	1	01/10/23 09:13	01/10/23 14:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	0.93	1	01/10/23 09:13	01/10/23 14:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	0.55	1	01/10/23 09:13	01/10/23 14:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	0.47	1	01/10/23 09:13	01/10/23 14:10	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	0.48	1	01/10/23 09:13	01/10/23 14:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	0.88	1	01/10/23 09:13	01/10/23 14:10	87-68-3	
2-Hexanone	ND	ug/kg	20.7	2.6	1	01/10/23 09:13	01/10/23 14:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	0.59	1	01/10/23 09:13	01/10/23 14:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	0.71	1	01/10/23 09:13	01/10/23 14:10	99-87-6	
Methylene Chloride	ND	ug/kg	5.2	2.8	1	01/10/23 09:13	01/10/23 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.4	3.1	1	01/10/23 09:13	01/10/23 14:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	0.50	1	01/10/23 09:13	01/10/23 14:10	1634-04-4	
Naphthalene	ND	ug/kg	10.4	0.85	1	01/10/23 09:13	01/10/23 14:10	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	0.83	1	01/10/23 09:13	01/10/23 14:10	103-65-1	
Styrene	ND	ug/kg	5.2	0.61	1	01/10/23 09:13	01/10/23 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1.1	1	01/10/23 09:13	01/10/23 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1.0	1	01/10/23 09:13	01/10/23 14:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	0.43	1	01/10/23 09:13	01/10/23 14:10	127-18-4	
Toluene	ND	ug/kg	5.2	0.36	1	01/10/23 09:13	01/10/23 14:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	0.83	1	01/10/23 09:13	01/10/23 14:10	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: **SB-8 (0-3)** Lab ID: **60419376019** Collected: 01/05/23 13:45 Received: 01/06/23 13:43 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	0.83	1	01/10/23 09:13	01/10/23 14:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	0.77	1	01/10/23 09:13	01/10/23 14:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	0.65	1	01/10/23 09:13	01/10/23 14:10	79-00-5	
Trichloroethene	ND	ug/kg	5.2	0.75	1	01/10/23 09:13	01/10/23 14:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	0.64	1	01/10/23 09:13	01/10/23 14:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	2.2	1	01/10/23 09:13	01/10/23 14:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	0.69	1	01/10/23 09:13	01/10/23 14:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	0.65	1	01/10/23 09:13	01/10/23 14:10	108-67-8	
Vinyl chloride	ND	ug/kg	5.2	0.69	1	01/10/23 09:13	01/10/23 14:10	75-01-4	
Xylene (Total)	ND	ug/kg	5.2	1.2	1	01/10/23 09:13	01/10/23 14:10	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	100	%	80-120		1	01/10/23 09:13	01/10/23 14:10	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-125		1	01/10/23 09:13	01/10/23 14:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120		1	01/10/23 09:13	01/10/23 14:10	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>13.2</b>	%	0.50	0.50	1		01/09/23 11:41		
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-8 (10-12)**      **Lab ID: 60419376020**      Collected: 01/05/23 14:06      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>KS MRH/HRH</b>									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/kg	8.3	5.6	1	01/09/23 13:41	01/10/23 12:39		
MRH (C9-C18)	ND	mg/kg	6.3	3.8	1	01/09/23 13:41	01/10/23 12:39		
<b>Surrogates</b>									
1-Chloro-octadecane (S)	80	%	40-140		1	01/09/23 13:41	01/10/23 12:39	3386-33-2	
<b>LRH (C5 - C8) Soil</b>									
Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/kg	6.2	0.21	1	01/17/23 12:00	01/17/23 19:21		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1	01/17/23 12:00	01/17/23 19:21	460-00-4	
Dibromofluoromethane (S)	74	%	70-130		1	01/17/23 12:00	01/17/23 19:21	1868-53-7	
<b>6010 MET ICP Red. Interference</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	<b>160000</b>	mg/kg	52.3	9.5	3	01/09/23 10:08	01/17/23 10:21	7440-70-2	
Magnesium	<b>28900</b>	mg/kg	4.4	1.3	1	01/09/23 10:08	01/16/23 16:28	7439-95-4	
Potassium	<b>5280</b>	mg/kg	43.5	11.1	1	01/09/23 10:08	01/16/23 16:28	7440-09-7	
Sodium	<b>711</b>	mg/kg	43.5	2.9	1	01/09/23 10:08	01/16/23 16:28	7440-23-5	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	<b>14700</b>	mg/kg	43.5	7.7	10	01/09/23 10:08	01/13/23 13:19	7429-90-5	
Antimony	ND	mg/kg	0.87	0.36	10	01/09/23 10:08	01/13/23 13:19	7440-36-0	
Arsenic	<b>1.0</b>	mg/kg	0.87	0.20	10	01/09/23 10:08	01/13/23 13:19	7440-38-2	
Barium	<b>94.2</b>	mg/kg	0.87	0.28	10	01/09/23 10:08	01/13/23 13:19	7440-39-3	
Beryllium	<b>0.78</b>	mg/kg	0.44	0.036	10	01/09/23 10:08	01/13/23 13:19	7440-41-7	
Cadmium	<b>0.16J</b>	mg/kg	0.44	0.14	10	01/09/23 10:08	01/13/23 13:19	7440-43-9	
Chromium	<b>18.8</b>	mg/kg	0.87	0.18	10	01/09/23 10:08	01/13/23 13:19	7440-47-3	
Cobalt	<b>8.6</b>	mg/kg	0.87	0.094	10	01/09/23 10:08	01/13/23 13:19	7440-48-4	
Copper	<b>8.1</b>	mg/kg	0.87	0.22	10	01/09/23 10:08	01/13/23 13:19	7440-50-8	
Iron	<b>22800</b>	mg/kg	43.5	3.0	10	01/09/23 10:08	01/13/23 13:19	7439-89-6	
Lead	<b>5.5</b>	mg/kg	0.87	0.13	10	01/09/23 10:08	01/13/23 13:19	7439-92-1	
Manganese	<b>1690</b>	mg/kg	0.87	0.18	10	01/09/23 10:08	01/13/23 13:19	7439-96-5	
Nickel	<b>20.5</b>	mg/kg	0.87	0.12	10	01/09/23 10:08	01/13/23 13:19	7440-02-0	
Selenium	<b>2.4</b>	mg/kg	0.87	0.24	10	01/09/23 10:08	01/13/23 13:19	7782-49-2	
Silver	ND	mg/kg	0.44	0.34	10	01/09/23 10:08	01/13/23 13:19	7440-22-4	
Thallium	ND	mg/kg	0.87	0.35	10	01/09/23 10:08	01/13/23 13:19	7440-28-0	
Vanadium	<b>19.9</b>	mg/kg	0.87	0.53	10	01/09/23 10:08	01/13/23 13:19	7440-62-2	
Zinc	<b>29.9</b>	mg/kg	8.7	1.3	10	01/09/23 10:08	01/13/23 13:19	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Kansas City									
Mercury	ND	mg/kg	0.051	0.015	1	01/09/23 10:03	01/10/23 12:18	7439-97-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-8 (10-12) Lab ID: 60419376020 Collected: 01/05/23 14:06 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/kg	378	81.2	1	01/09/23 09:26	01/18/23 17:01	83-32-9	
Acenaphthylene	ND	ug/kg	378	61.8	1	01/09/23 09:26	01/18/23 17:01	208-96-8	
Anthracene	ND	ug/kg	378	79.0	1	01/09/23 09:26	01/18/23 17:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	378	79.9	1	01/09/23 09:26	01/18/23 17:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	378	81.3	1	01/09/23 09:26	01/18/23 17:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	378	92.2	1	01/09/23 09:26	01/18/23 17:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	378	65.6	1	01/09/23 09:26	01/18/23 17:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	378	81.3	1	01/09/23 09:26	01/18/23 17:01	207-08-9	
Benzoic Acid	ND	ug/kg	1910	206	1	01/09/23 09:26	01/18/23 17:01	65-85-0	
Benzyl alcohol	ND	ug/kg	756	69.4	1	01/09/23 09:26	01/18/23 17:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	378	81.5	1	01/09/23 09:26	01/18/23 17:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	378	77.0	1	01/09/23 09:26	01/18/23 17:01	85-68-7	
Carbazole	ND	ug/kg	378	77.8	1	01/09/23 09:26	01/18/23 17:01	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	756	79.3	1	01/09/23 09:26	01/18/23 17:01	59-50-7	
4-Chloroaniline	ND	ug/kg	756	59.2	1	01/09/23 09:26	01/18/23 17:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	378	75.1	1	01/09/23 09:26	01/18/23 17:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	378	76.3	1	01/09/23 09:26	01/18/23 17:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	378	81.9	1	01/09/23 09:26	01/18/23 17:01	108-60-1	
2-Chloronaphthalene	ND	ug/kg	378	79.6	1	01/09/23 09:26	01/18/23 17:01	91-58-7	
2-Chlorophenol	ND	ug/kg	378	77.2	1	01/09/23 09:26	01/18/23 17:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	378	81.1	1	01/09/23 09:26	01/18/23 17:01	7005-72-3	
Chrysene	ND	ug/kg	378	84.2	1	01/09/23 09:26	01/18/23 17:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	378	67.9	1	01/09/23 09:26	01/18/23 17:01	53-70-3	
Dibenzofuran	ND	ug/kg	378	80.7	1	01/09/23 09:26	01/18/23 17:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	378	75.2	1	01/09/23 09:26	01/18/23 17:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	378	73.9	1	01/09/23 09:26	01/18/23 17:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	378	72.8	1	01/09/23 09:26	01/18/23 17:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	756	37.1	1	01/09/23 09:26	01/18/23 17:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	378	75.7	1	01/09/23 09:26	01/18/23 17:01	120-83-2	
Diethylphthalate	ND	ug/kg	378	86.4	1	01/09/23 09:26	01/18/23 17:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	378	55.0	1	01/09/23 09:26	01/18/23 17:01	105-67-9	
Dimethylphthalate	ND	ug/kg	378	78.5	1	01/09/23 09:26	01/18/23 17:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	378	89.4	1	01/09/23 09:26	01/18/23 17:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1910	65.4	1	01/09/23 09:26	01/18/23 17:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	114	1	01/09/23 09:26	01/18/23 17:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	378	85.1	1	01/09/23 09:26	01/18/23 17:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	378	73.6	1	01/09/23 09:26	01/18/23 17:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	378	92.0	1	01/09/23 09:26	01/18/23 17:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	378	84.9	1	01/09/23 09:26	01/18/23 17:01	117-81-7	
Fluoranthene	ND	ug/kg	378	83.3	1	01/09/23 09:26	01/18/23 17:01	206-44-0	
Fluorene	ND	ug/kg	378	80.4	1	01/09/23 09:26	01/18/23 17:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	378	81.0	1	01/09/23 09:26	01/18/23 17:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	378	79.0	1	01/09/23 09:26	01/18/23 17:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	378	232	1	01/09/23 09:26	01/18/23 17:01	77-47-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-8 (10-12) Lab ID: 60419376020 Collected: 01/05/23 14:06 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatiles</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
Hexachloroethane	ND	ug/kg	378	69.3	1	01/09/23 09:26	01/18/23 17:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	378	77.3	1	01/09/23 09:26	01/18/23 17:01	193-39-5	
Isophorone	ND	ug/kg	378	73.1	1	01/09/23 09:26	01/18/23 17:01	78-59-1	
2-Methylnaphthalene	ND	ug/kg	378	76.6	1	01/09/23 09:26	01/18/23 17:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	378	68.8	1	01/09/23 09:26	01/18/23 17:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	378	70.2	1	01/09/23 09:26	01/18/23 17:01	15831-10-4	
Naphthalene	ND	ug/kg	378	81.3	1	01/09/23 09:26	01/18/23 17:01	91-20-3	
2-Nitroaniline	ND	ug/kg	756	62.6	1	01/09/23 09:26	01/18/23 17:01	88-74-4	
3-Nitroaniline	ND	ug/kg	756	58.9	1	01/09/23 09:26	01/18/23 17:01	99-09-2	
4-Nitroaniline	ND	ug/kg	756	64.7	1	01/09/23 09:26	01/18/23 17:01	100-01-6	
Nitrobenzene	ND	ug/kg	378	80.1	1	01/09/23 09:26	01/18/23 17:01	98-95-3	
2-Nitrophenol	ND	ug/kg	378	59.1	1	01/09/23 09:26	01/18/23 17:01	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	55.7	1	01/09/23 09:26	01/18/23 17:01	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	378	72.0	1	01/09/23 09:26	01/18/23 17:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	378	75.1	1	01/09/23 09:26	01/18/23 17:01	86-30-6	
Pentachlorophenol	ND	ug/kg	1910	125	1	01/09/23 09:26	01/18/23 17:01	87-86-5	
Phenanthrene	ND	ug/kg	378	80.7	1	01/09/23 09:26	01/18/23 17:01	85-01-8	
Phenol	ND	ug/kg	378	71.1	1	01/09/23 09:26	01/18/23 17:01	108-95-2	
Pyrene	ND	ug/kg	378	80.6	1	01/09/23 09:26	01/18/23 17:01	129-00-0	
Pyridine	ND	ug/kg	378	56.0	1	01/09/23 09:26	01/18/23 17:01	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	378	79.1	1	01/09/23 09:26	01/18/23 17:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	378	77.4	1	01/09/23 09:26	01/18/23 17:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	378	69.9	1	01/09/23 09:26	01/18/23 17:01	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	75	%	30-120		1	01/09/23 09:26	01/18/23 17:01	4165-60-0	
2-Fluorobiphenyl (S)	62	%	40-120		1	01/09/23 09:26	01/18/23 17:01	321-60-8	
Terphenyl-d14 (S)	71	%	45-120		1	01/09/23 09:26	01/18/23 17:01	1718-51-0	
Phenol-d6 (S)	63	%	40-120		1	01/09/23 09:26	01/18/23 17:01	13127-88-3	
2-Fluorophenol (S)	58	%	40-120		1	01/09/23 09:26	01/18/23 17:01	367-12-4	
2,4,6-Tribromophenol (S)	71	%	35-120		1	01/09/23 09:26	01/18/23 17:01	118-79-6	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	25.5	20.7	1	01/10/23 09:13	01/10/23 15:31	67-64-1	
Benzene	3.6J	ug/kg	6.4	0.63	1	01/10/23 09:13	01/10/23 15:31	71-43-2	
Bromobenzene	ND	ug/kg	6.4	1.2	1	01/10/23 09:13	01/10/23 15:31	108-86-1	
Bromochloromethane	ND	ug/kg	6.4	0.77	1	01/10/23 09:13	01/10/23 15:31	74-97-5	
Bromodichloromethane	ND	ug/kg	6.4	0.77	1	01/10/23 09:13	01/10/23 15:31	75-27-4	
Bromoform	ND	ug/kg	6.4	0.73	1	01/10/23 09:13	01/10/23 15:31	75-25-2	
Bromomethane	ND	ug/kg	6.4	3.8	1	01/10/23 09:13	01/10/23 15:31	74-83-9	
2-Butanone (MEK)	ND	ug/kg	12.8	4.4	1	01/10/23 09:13	01/10/23 15:31	78-93-3	
n-Butylbenzene	ND	ug/kg	6.4	0.83	1	01/10/23 09:13	01/10/23 15:31	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.4	0.93	1	01/10/23 09:13	01/10/23 15:31	135-98-8	
tert-Butylbenzene	ND	ug/kg	31.9	1.1	1	01/10/23 09:13	01/10/23 15:31	98-06-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: SB-8 (10-12) Lab ID: 60419376020 Collected: 01/05/23 14:06 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Carbon disulfide	ND	ug/kg	6.4	0.82	1	01/10/23 09:13	01/10/23 15:31	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.4	1.1	1	01/10/23 09:13	01/10/23 15:31	56-23-5	
Chlorobenzene	ND	ug/kg	6.4	0.80	1	01/10/23 09:13	01/10/23 15:31	108-90-7	
Chloroethane	ND	ug/kg	6.4	1.9	1	01/10/23 09:13	01/10/23 15:31	75-00-3	
Chloroform	ND	ug/kg	6.4	0.63	1	01/10/23 09:13	01/10/23 15:31	67-66-3	
Chloromethane	ND	ug/kg	6.4	1.0	1	01/10/23 09:13	01/10/23 15:31	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.4	0.93	1	01/10/23 09:13	01/10/23 15:31	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.4	0.77	1	01/10/23 09:13	01/10/23 15:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.8	2.3	1	01/10/23 09:13	01/10/23 15:31	96-12-8	
Dibromochloromethane	ND	ug/kg	6.4	0.82	1	01/10/23 09:13	01/10/23 15:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.4	0.68	1	01/10/23 09:13	01/10/23 15:31	106-93-4	
Dibromomethane	ND	ug/kg	6.4	0.77	1	01/10/23 09:13	01/10/23 15:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.4	0.80	1	01/10/23 09:13	01/10/23 15:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.4	0.92	1	01/10/23 09:13	01/10/23 15:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.4	1.0	1	01/10/23 09:13	01/10/23 15:31	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.4	1.5	1	01/10/23 09:13	01/10/23 15:31	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.4	0.50	1	01/10/23 09:13	01/10/23 15:31	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.4	0.51	1	01/10/23 09:13	01/10/23 15:31	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	6.4	1.4	1	01/10/23 09:13	01/10/23 15:31	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.4	0.82	1	01/10/23 09:13	01/10/23 15:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.4	0.55	1	01/10/23 09:13	01/10/23 15:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.4	0.87	1	01/10/23 09:13	01/10/23 15:31	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.4	1.2	1	01/10/23 09:13	01/10/23 15:31	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.4	0.88	1	01/10/23 09:13	01/10/23 15:31	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.4	0.61	1	01/10/23 09:13	01/10/23 15:31	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.4	1.1	1	01/10/23 09:13	01/10/23 15:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.4	0.68	1	01/10/23 09:13	01/10/23 15:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.4	0.58	1	01/10/23 09:13	01/10/23 15:31	10061-02-6	
Ethylbenzene	1.4J	ug/kg	6.4	0.59	1	01/10/23 09:13	01/10/23 15:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.4	1.1	1	01/10/23 09:13	01/10/23 15:31	87-68-3	
2-Hexanone	ND	ug/kg	25.5	3.2	1	01/10/23 09:13	01/10/23 15:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.4	0.73	1	01/10/23 09:13	01/10/23 15:31	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.4	0.88	1	01/10/23 09:13	01/10/23 15:31	99-87-6	
Methylene Chloride	ND	ug/kg	6.4	3.5	1	01/10/23 09:13	01/10/23 15:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	12.8	3.9	1	01/10/23 09:13	01/10/23 15:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.4	0.61	1	01/10/23 09:13	01/10/23 15:31	1634-04-4	
Naphthalene	ND	ug/kg	12.8	1.0	1	01/10/23 09:13	01/10/23 15:31	91-20-3	
n-Propylbenzene	ND	ug/kg	6.4	1.0	1	01/10/23 09:13	01/10/23 15:31	103-65-1	
Styrene	ND	ug/kg	6.4	0.75	1	01/10/23 09:13	01/10/23 15:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.4	1.3	1	01/10/23 09:13	01/10/23 15:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.4	1.3	1	01/10/23 09:13	01/10/23 15:31	79-34-5	
Tetrachloroethene	ND	ug/kg	6.4	0.53	1	01/10/23 09:13	01/10/23 15:31	127-18-4	
Toluene	3.6J	ug/kg	6.4	0.45	1	01/10/23 09:13	01/10/23 15:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.4	1.0	1	01/10/23 09:13	01/10/23 15:31	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: SB-8 (10-12)**      **Lab ID: 60419376020**      Collected: 01/05/23 14:06      Received: 01/06/23 13:43      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2,4-Trichlorobenzene	ND	ug/kg	6.4	1.0	1	01/10/23 09:13	01/10/23 15:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.4	0.96	1	01/10/23 09:13	01/10/23 15:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.4	0.80	1	01/10/23 09:13	01/10/23 15:31	79-00-5	
Trichloroethene	ND	ug/kg	6.4	0.93	1	01/10/23 09:13	01/10/23 15:31	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.4	0.78	1	01/10/23 09:13	01/10/23 15:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.4	2.7	1	01/10/23 09:13	01/10/23 15:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.4	0.86	1	01/10/23 09:13	01/10/23 15:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.4	0.80	1	01/10/23 09:13	01/10/23 15:31	108-67-8	
Vinyl chloride	ND	ug/kg	6.4	0.85	1	01/10/23 09:13	01/10/23 15:31	75-01-4	
Xylene (Total)	<b>2.0J</b>	ug/kg	6.4	1.5	1	01/10/23 09:13	01/10/23 15:31	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	98	%	80-120		1	01/10/23 09:13	01/10/23 15:31	2037-26-5	
4-Bromofluorobenzene (S)	95	%	80-125		1	01/10/23 09:13	01/10/23 15:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120		1	01/10/23 09:13	01/10/23 15:31	2199-69-1	

### Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>14.3</b>	%	0.50	0.50	1		01/09/23 11:41		
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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: TB-1**      **Lab ID: 60419376021**      Collected: 01/05/23 08:00      Received: 01/06/23 13:43      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
Acetone	ND	ug/kg	20.0	16.2	1	01/09/23 14:22	01/09/23 14:39	67-64-1	
Benzene	ND	ug/kg	5.0	0.49	1	01/09/23 14:22	01/09/23 14:39	71-43-2	
Bromobenzene	ND	ug/kg	5.0	0.94	1	01/09/23 14:22	01/09/23 14:39	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:39	75-27-4	
Bromoform	ND	ug/kg	5.0	0.58	1	01/09/23 14:22	01/09/23 14:39	75-25-2	
Bromomethane	ND	ug/kg	5.0	2.9	1	01/09/23 14:22	01/09/23 14:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	3.4	1	01/09/23 14:22	01/09/23 14:39	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	0.65	1	01/09/23 14:22	01/09/23 14:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	0.73	1	01/09/23 14:22	01/09/23 14:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	0.88	1	01/09/23 14:22	01/09/23 14:39	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	0.64	1	01/09/23 14:22	01/09/23 14:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	0.86	1	01/09/23 14:22	01/09/23 14:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	0.63	1	01/09/23 14:22	01/09/23 14:39	108-90-7	
Chloroethane	ND	ug/kg	5.0	1.5	1	01/09/23 14:22	01/09/23 14:39	75-00-3	
Chloroform	ND	ug/kg	5.0	0.49	1	01/09/23 14:22	01/09/23 14:39	67-66-3	
Chloromethane	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	0.73	1	01/09/23 14:22	01/09/23 14:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1.8	1	01/09/23 14:22	01/09/23 14:39	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	0.65	1	01/09/23 14:22	01/09/23 14:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	0.54	1	01/09/23 14:22	01/09/23 14:39	106-93-4	
Dibromomethane	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	0.62	1	01/09/23 14:22	01/09/23 14:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	0.72	1	01/09/23 14:22	01/09/23 14:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	0.81	1	01/09/23 14:22	01/09/23 14:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1.2	1	01/09/23 14:22	01/09/23 14:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	0.39	1	01/09/23 14:22	01/09/23 14:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	0.40	1	01/09/23 14:22	01/09/23 14:39	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1.1	1	01/09/23 14:22	01/09/23 14:39	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	0.64	1	01/09/23 14:22	01/09/23 14:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	0.43	1	01/09/23 14:22	01/09/23 14:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	0.68	1	01/09/23 14:22	01/09/23 14:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	0.98	1	01/09/23 14:22	01/09/23 14:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	0.69	1	01/09/23 14:22	01/09/23 14:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	0.48	1	01/09/23 14:22	01/09/23 14:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	0.90	1	01/09/23 14:22	01/09/23 14:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	0.53	1	01/09/23 14:22	01/09/23 14:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	0.46	1	01/09/23 14:22	01/09/23 14:39	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	0.46	1	01/09/23 14:22	01/09/23 14:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	0.85	1	01/09/23 14:22	01/09/23 14:39	87-68-3	
2-Hexanone	ND	ug/kg	20.0	2.5	1	01/09/23 14:22	01/09/23 14:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	0.57	1	01/09/23 14:22	01/09/23 14:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	0.69	1	01/09/23 14:22	01/09/23 14:39	99-87-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: TB-1 Lab ID: 60419376021 Collected: 01/05/23 08:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Methylene Chloride	ND	ug/kg	5.0	2.7	1	01/09/23 14:22	01/09/23 14:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	3.0	1	01/09/23 14:22	01/09/23 14:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	0.48	1	01/09/23 14:22	01/09/23 14:39	1634-04-4	
Naphthalene	ND	ug/kg	10.0	0.82	1	01/09/23 14:22	01/09/23 14:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:39	103-65-1	
Styrene	ND	ug/kg	5.0	0.59	1	01/09/23 14:22	01/09/23 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1.0	1	01/09/23 14:22	01/09/23 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.0	1	01/09/23 14:22	01/09/23 14:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	0.41	1	01/09/23 14:22	01/09/23 14:39	127-18-4	
Toluene	ND	ug/kg	5.0	0.35	1	01/09/23 14:22	01/09/23 14:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	0.75	1	01/09/23 14:22	01/09/23 14:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	0.63	1	01/09/23 14:22	01/09/23 14:39	79-00-5	
Trichloroethene	ND	ug/kg	5.0	0.72	1	01/09/23 14:22	01/09/23 14:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	0.61	1	01/09/23 14:22	01/09/23 14:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	2.1	1	01/09/23 14:22	01/09/23 14:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.67	1	01/09/23 14:22	01/09/23 14:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.63	1	01/09/23 14:22	01/09/23 14:39	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	0.67	1	01/09/23 14:22	01/09/23 14:39	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1.1	1	01/09/23 14:22	01/09/23 14:39	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	103	%	80-120		1	01/09/23 14:22	01/09/23 14:39	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-125		1	01/09/23 14:22	01/09/23 14:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120		1	01/09/23 14:22	01/09/23 14:39	2199-69-1	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Sample: TB-2 Lab ID: 60419376022 Collected: 01/05/23 08:00 Received: 01/06/23 13:43 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City									
Acetone	ND	ug/kg	20.0	16.2	1	01/09/23 14:22	01/09/23 14:55	67-64-1	
Benzene	ND	ug/kg	5.0	0.49	1	01/09/23 14:22	01/09/23 14:55	71-43-2	
Bromobenzene	ND	ug/kg	5.0	0.94	1	01/09/23 14:22	01/09/23 14:55	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:55	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:55	75-27-4	
Bromoform	ND	ug/kg	5.0	0.58	1	01/09/23 14:22	01/09/23 14:55	75-25-2	
Bromomethane	ND	ug/kg	5.0	2.9	1	01/09/23 14:22	01/09/23 14:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	3.4	1	01/09/23 14:22	01/09/23 14:55	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	0.65	1	01/09/23 14:22	01/09/23 14:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	0.73	1	01/09/23 14:22	01/09/23 14:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	0.88	1	01/09/23 14:22	01/09/23 14:55	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	0.64	1	01/09/23 14:22	01/09/23 14:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	0.86	1	01/09/23 14:22	01/09/23 14:55	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	0.63	1	01/09/23 14:22	01/09/23 14:55	108-90-7	
Chloroethane	ND	ug/kg	5.0	1.5	1	01/09/23 14:22	01/09/23 14:55	75-00-3	
Chloroform	ND	ug/kg	5.0	0.49	1	01/09/23 14:22	01/09/23 14:55	67-66-3	
Chloromethane	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	0.73	1	01/09/23 14:22	01/09/23 14:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1.8	1	01/09/23 14:22	01/09/23 14:55	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	0.65	1	01/09/23 14:22	01/09/23 14:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	0.54	1	01/09/23 14:22	01/09/23 14:55	106-93-4	
Dibromomethane	ND	ug/kg	5.0	0.60	1	01/09/23 14:22	01/09/23 14:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	0.62	1	01/09/23 14:22	01/09/23 14:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	0.72	1	01/09/23 14:22	01/09/23 14:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	0.81	1	01/09/23 14:22	01/09/23 14:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1.2	1	01/09/23 14:22	01/09/23 14:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	0.39	1	01/09/23 14:22	01/09/23 14:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	0.40	1	01/09/23 14:22	01/09/23 14:55	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1.1	1	01/09/23 14:22	01/09/23 14:55	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	0.64	1	01/09/23 14:22	01/09/23 14:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	0.43	1	01/09/23 14:22	01/09/23 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	0.68	1	01/09/23 14:22	01/09/23 14:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	0.98	1	01/09/23 14:22	01/09/23 14:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	0.69	1	01/09/23 14:22	01/09/23 14:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	0.48	1	01/09/23 14:22	01/09/23 14:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	0.90	1	01/09/23 14:22	01/09/23 14:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	0.53	1	01/09/23 14:22	01/09/23 14:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	0.46	1	01/09/23 14:22	01/09/23 14:55	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	0.46	1	01/09/23 14:22	01/09/23 14:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	0.85	1	01/09/23 14:22	01/09/23 14:55	87-68-3	
2-Hexanone	ND	ug/kg	20.0	2.5	1	01/09/23 14:22	01/09/23 14:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	0.57	1	01/09/23 14:22	01/09/23 14:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	0.69	1	01/09/23 14:22	01/09/23 14:55	99-87-6	

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## ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

**Sample: TB-2**      **Lab ID: 60419376022**      Collected: 01/05/23 08:00      Received: 01/06/23 13:43      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
Methylene Chloride	ND	ug/kg	5.0	2.7	1	01/09/23 14:22	01/09/23 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	3.0	1	01/09/23 14:22	01/09/23 14:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	0.48	1	01/09/23 14:22	01/09/23 14:55	1634-04-4	
Naphthalene	ND	ug/kg	10.0	0.82	1	01/09/23 14:22	01/09/23 14:55	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:55	103-65-1	
Styrene	ND	ug/kg	5.0	0.59	1	01/09/23 14:22	01/09/23 14:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1.0	1	01/09/23 14:22	01/09/23 14:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.0	1	01/09/23 14:22	01/09/23 14:55	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	0.41	1	01/09/23 14:22	01/09/23 14:55	127-18-4	
Toluene	ND	ug/kg	5.0	0.35	1	01/09/23 14:22	01/09/23 14:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.80	1	01/09/23 14:22	01/09/23 14:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	0.75	1	01/09/23 14:22	01/09/23 14:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	0.63	1	01/09/23 14:22	01/09/23 14:55	79-00-5	
Trichloroethene	ND	ug/kg	5.0	0.72	1	01/09/23 14:22	01/09/23 14:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	0.61	1	01/09/23 14:22	01/09/23 14:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	2.1	1	01/09/23 14:22	01/09/23 14:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.67	1	01/09/23 14:22	01/09/23 14:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.63	1	01/09/23 14:22	01/09/23 14:55	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	0.67	1	01/09/23 14:22	01/09/23 14:55	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1.1	1	01/09/23 14:22	01/09/23 14:55	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	102	%	80-120		1	01/09/23 14:22	01/09/23 14:55	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-125		1	01/09/23 14:22	01/09/23 14:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120		1	01/09/23 14:22	01/09/23 14:55	2199-69-1	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826598	Analysis Method:	EPA 8015B
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	LRH (C5 - C8) Soil
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376006, 60419376008, 60419376011, 60419376012, 60419376014, 60419376015, 60419376017, 60419376019		

METHOD BLANK:	3283327	Matrix:	Solid
Associated Lab Samples:	60419376006, 60419376008, 60419376011, 60419376012, 60419376014, 60419376015, 60419376017, 60419376019		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
LRH (C5-C8)	mg/kg	ND	5.0	0.17	01/11/23 18:48	
4-Bromofluorobenzene (S)	%	93	70-130		01/11/23 18:48	
Dibromofluoromethane (S)	%	89	70-130		01/11/23 18:48	

LABORATORY CONTROL SAMPLE & LCSD:		3283328	3283329							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
LRH (C5-C8)	mg/kg	20	16.0	16.7	80	83	70-130	4	25	
4-Bromofluorobenzene (S)	%				92	91	70-130			
Dibromofluoromethane (S)	%				88	92	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	827816	Analysis Method:	EPA 8015B
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	LRH (C5 - C8) Soil
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376007, 60419376009, 60419376010, 60419376013, 60419376016, 60419376018, 60419376020		

METHOD BLANK:	3287604	Matrix:	Solid
Associated Lab Samples:	60419376004, 60419376005, 60419376007, 60419376009, 60419376010, 60419376013, 60419376016, 60419376018, 60419376020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
LRH (C5-C8)	mg/kg	ND	5.0	0.17	01/17/23 14:05	
4-Bromofluorobenzene (S)	%	93	70-130		01/17/23 14:05	
Dibromofluoromethane (S)	%	88	70-130		01/17/23 14:05	

LABORATORY CONTROL SAMPLE & LCSD:		3287605	3287606							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
LRH (C5-C8)	mg/kg	20	23.7	22.6	119	113	70-130	5	25	
4-Bromofluorobenzene (S)	%				96	94	70-130			
Dibromofluoromethane (S)	%				89	90	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:				3283330		3283331						
Parameter	Units	60419376004	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
LRH (C5-C8)	mg/kg	ND	26.3	26.3	29.2	28.6	111	109	70-130	2	25	
4-Bromofluorobenzene (S)	%						93	96	70-130			
Dibromofluoromethane (S)	%						94	96	70-130			

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826366	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK:	3282796	Matrix:	Solid
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	0.015	01/10/23 11:23	

LABORATORY CONTROL SAMPLE:	3282797					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3282798			3282799								
Parameter	Units	60419376004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.58	0.58	0.54	0.55	92	94	75-125	2	20	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826352	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK: 3282754 Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/kg	4.6J	20.0	3.6	01/16/23 15:35	
Magnesium	mg/kg	2.0J	5.0	1.5	01/16/23 15:35	
Potassium	mg/kg	ND	50.0	12.7	01/16/23 15:35	
Sodium	mg/kg	7.5J	50.0	3.3	01/16/23 15:35	

LABORATORY CONTROL SAMPLE: 3282755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/kg	1000	1020	102	80-120	
Magnesium	mg/kg	1000	999	100	80-120	
Potassium	mg/kg	1000	992	99	80-120	
Sodium	mg/kg	1000	1050	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282756 3282757

Parameter	Units	60419376004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/kg	205000	1030	1070	256000	203000	4970	-168	75-125	23	20	M1, R1
Magnesium	mg/kg	35700	1030	1070	34100	36900	-156	107	75-125	8	20	M1
Potassium	mg/kg	7150	1030	1070	9650	11100	242	369	75-125	14	20	M1
Sodium	mg/kg	1360	1030	1070	2290	2570	90	113	75-125	12	20	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826353	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3050	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK: 3282758 Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	8.8	01/13/23 11:59	
Antimony	mg/kg	ND	1.0	0.42	01/13/23 11:59	
Arsenic	mg/kg	ND	1.0	0.23	01/13/23 11:59	
Barium	mg/kg	ND	1.0	0.33	01/13/23 11:59	
Beryllium	mg/kg	ND	0.50	0.042	01/13/23 11:59	
Cadmium	mg/kg	ND	0.50	0.16	01/13/23 11:59	
Chromium	mg/kg	ND	1.0	0.21	01/13/23 11:59	
Cobalt	mg/kg	ND	1.0	0.11	01/13/23 11:59	
Copper	mg/kg	ND	1.0	0.25	01/13/23 11:59	
Iron	mg/kg	ND	50.0	3.5	01/13/23 11:59	
Lead	mg/kg	ND	1.0	0.16	01/13/23 11:59	
Manganese	mg/kg	ND	1.0	0.20	01/13/23 11:59	
Nickel	mg/kg	ND	1.0	0.14	01/13/23 11:59	
Selenium	mg/kg	ND	1.0	0.27	01/13/23 11:59	
Silver	mg/kg	ND	0.50	0.39	01/13/23 11:59	
Thallium	mg/kg	ND	1.0	0.41	01/13/23 11:59	
Vanadium	mg/kg	ND	1.0	0.60	01/13/23 11:59	
Zinc	mg/kg	ND	10.0	1.5	01/13/23 11:59	

LABORATORY CONTROL SAMPLE: 3282759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	1000	1040	104	80-120	
Antimony	mg/kg	100	92.5	92	80-120	
Arsenic	mg/kg	100	94.4	94	80-120	
Barium	mg/kg	100	93.9	94	80-120	
Beryllium	mg/kg	100	96.6	97	80-120	
Cadmium	mg/kg	100	98.6	99	80-120	
Chromium	mg/kg	100	98.0	98	80-120	
Cobalt	mg/kg	100	97.6	98	80-120	
Copper	mg/kg	100	100	100	80-120	
Iron	mg/kg	1000	989	99	80-120	
Lead	mg/kg	100	98.3	98	80-120	
Manganese	mg/kg	100	99.8	100	80-120	
Nickel	mg/kg	100	99.5	100	80-120	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3282759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/kg	100	99.6	100	80-120	
Silver	mg/kg	50	44.7	89	80-120	
Thallium	mg/kg	100	95.5	95	80-120	
Vanadium	mg/kg	100	98.6	99	80-120	
Zinc	mg/kg	100	95.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282760 3282761

Parameter	Units	60419376005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	16200	1000	970	25600	26200	935	1040	75-125	3	20	M1
Antimony	mg/kg	ND	100	97	24.0	23.8	24	24	75-125	1	20	M1
Arsenic	mg/kg	1.2	100	97	87.9	88.0	86	89	75-125	0	20	
Barium	mg/kg	38.7	100	97	137	147	98	112	75-125	7	20	
Beryllium	mg/kg	0.79	100	97	93.5	91.2	92	93	75-125	3	20	
Cadmium	mg/kg	ND	100	97	94.4	94.5	94	97	75-125	0	20	
Chromium	mg/kg	21.2	100	97	119	119	97	100	75-125	0	20	
Cobalt	mg/kg	11.2	100	97	94.5	96.0	83	87	75-125	2	20	
Copper	mg/kg	7.8	100	97	90.4	89.2	82	84	75-125	1	20	
Iron	mg/kg	20600	1000	970	25700	25800	510	538	75-125	0	20	M1
Lead	mg/kg	4.6	100	97	100	98.9	95	97	75-125	1	20	
Manganese	mg/kg	1200	100	97	1090	1240	-112	47	75-125	14	20	M1
Nickel	mg/kg	24.5	100	97	111	111	86	90	75-125	1	20	
Selenium	mg/kg	2.5	100	97	95.3	95.4	92	96	75-125	0	20	
Silver	mg/kg	ND	50.3	48.5	41.0	40.8	82	84	75-125	1	20	
Thallium	mg/kg	ND	100	97	93.7	93.0	93	96	75-125	1	20	
Vanadium	mg/kg	24.8	100	97	130	131	104	109	75-125	1	20	
Zinc	mg/kg	29.7	100	97	114	115	84	87	75-125	0	20	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch: 826506

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419376021, 60419376022

METHOD BLANK: 3283144

Matrix: Solid

Associated Lab Samples: 60419376021, 60419376022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.0	01/09/23 09:24	
1,1,1-Trichloroethane	ug/kg	ND	5.0	0.75	01/09/23 09:24	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.0	01/09/23 09:24	
1,1,2-Trichloroethane	ug/kg	ND	5.0	0.63	01/09/23 09:24	
1,1-Dichloroethane	ug/kg	ND	5.0	0.39	01/09/23 09:24	
1,1-Dichloroethene	ug/kg	ND	5.0	0.64	01/09/23 09:24	
1,1-Dichloropropene	ug/kg	ND	5.0	0.90	01/09/23 09:24	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	0.80	01/09/23 09:24	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.1	01/09/23 09:24	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	0.80	01/09/23 09:24	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	0.67	01/09/23 09:24	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	1.8	01/09/23 09:24	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	0.54	01/09/23 09:24	
1,2-Dichlorobenzene	ug/kg	ND	5.0	0.62	01/09/23 09:24	
1,2-Dichloroethane	ug/kg	ND	5.0	0.40	01/09/23 09:24	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	1.1	01/09/23 09:24	
1,2-Dichloropropane	ug/kg	ND	5.0	0.98	01/09/23 09:24	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	0.63	01/09/23 09:24	
1,3-Dichlorobenzene	ug/kg	ND	5.0	0.72	01/09/23 09:24	
1,3-Dichloropropane	ug/kg	ND	5.0	0.69	01/09/23 09:24	
1,4-Dichlorobenzene	ug/kg	ND	5.0	0.81	01/09/23 09:24	
2,2-Dichloropropane	ug/kg	ND	5.0	0.48	01/09/23 09:24	
2-Butanone (MEK)	ug/kg	ND	10.0	3.4	01/09/23 09:24	
2-Chlorotoluene	ug/kg	ND	5.0	0.73	01/09/23 09:24	
2-Hexanone	ug/kg	ND	20.0	2.5	01/09/23 09:24	
4-Chlorotoluene	ug/kg	ND	5.0	0.60	01/09/23 09:24	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	3.0	01/09/23 09:24	
Acetone	ug/kg	ND	20.0	16.2	01/09/23 09:24	
Benzene	ug/kg	ND	5.0	0.49	01/09/23 09:24	
Bromobenzene	ug/kg	ND	5.0	0.94	01/09/23 09:24	
Bromochloromethane	ug/kg	ND	5.0	0.60	01/09/23 09:24	
Bromodichloromethane	ug/kg	ND	5.0	0.60	01/09/23 09:24	
Bromoform	ug/kg	ND	5.0	0.58	01/09/23 09:24	
Bromomethane	ug/kg	ND	5.0	2.9	01/09/23 09:24	
Carbon disulfide	ug/kg	ND	5.0	0.64	01/09/23 09:24	
Carbon tetrachloride	ug/kg	ND	5.0	0.86	01/09/23 09:24	
Chlorobenzene	ug/kg	ND	5.0	0.63	01/09/23 09:24	
Chloroethane	ug/kg	ND	5.0	1.5	01/09/23 09:24	
Chloroform	ug/kg	ND	5.0	0.49	01/09/23 09:24	
Chloromethane	ug/kg	ND	5.0	0.80	01/09/23 09:24	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

METHOD BLANK: 3283144

Matrix: Solid

Associated Lab Samples: 60419376021, 60419376022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	0.43	01/09/23 09:24	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	0.53	01/09/23 09:24	
Dibromochloromethane	ug/kg	ND	5.0	0.65	01/09/23 09:24	
Dibromomethane	ug/kg	ND	5.0	0.60	01/09/23 09:24	
Dichlorodifluoromethane	ug/kg	ND	5.0	1.2	01/09/23 09:24	
Ethylbenzene	ug/kg	ND	5.0	0.46	01/09/23 09:24	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	0.85	01/09/23 09:24	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	0.57	01/09/23 09:24	
Methyl-tert-butyl ether	ug/kg	ND	5.0	0.48	01/09/23 09:24	
Methylene Chloride	ug/kg	ND	5.0	2.7	01/09/23 09:24	
n-Butylbenzene	ug/kg	ND	5.0	0.65	01/09/23 09:24	
n-Propylbenzene	ug/kg	ND	5.0	0.80	01/09/23 09:24	
Naphthalene	ug/kg	ND	10.0	0.82	01/09/23 09:24	
p-Isopropyltoluene	ug/kg	ND	5.0	0.69	01/09/23 09:24	
sec-Butylbenzene	ug/kg	ND	5.0	0.73	01/09/23 09:24	
Styrene	ug/kg	ND	5.0	0.59	01/09/23 09:24	
tert-Butylbenzene	ug/kg	ND	25.0	0.88	01/09/23 09:24	
Tetrachloroethene	ug/kg	ND	5.0	0.41	01/09/23 09:24	
Toluene	ug/kg	ND	5.0	0.35	01/09/23 09:24	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	0.68	01/09/23 09:24	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	0.46	01/09/23 09:24	
Trichloroethene	ug/kg	ND	5.0	0.72	01/09/23 09:24	
Trichlorofluoromethane	ug/kg	ND	5.0	0.61	01/09/23 09:24	
Vinyl chloride	ug/kg	ND	5.0	0.67	01/09/23 09:24	
Xylene (Total)	ug/kg	ND	5.0	1.1	01/09/23 09:24	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120		01/09/23 09:24	
4-Bromofluorobenzene (S)	%	98	80-125		01/09/23 09:24	
Toluene-d8 (S)	%	100	80-120		01/09/23 09:24	

LABORATORY CONTROL SAMPLE: 3283145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	111	111	80-125	
1,1,1-Trichloroethane	ug/kg	100	103	103	80-125	
1,1,2,2-Tetrachloroethane	ug/kg	100	105	105	70-125	
1,1,2-Trichloroethane	ug/kg	100	106	106	80-125	
1,1-Dichloroethane	ug/kg	100	97.9	98	75-120	
1,1-Dichloroethene	ug/kg	100	94.3	94	70-125	
1,1-Dichloropropene	ug/kg	100	103	103	80-125	
1,2,3-Trichlorobenzene	ug/kg	100	104	104	75-135	
1,2,3-Trichloropropane	ug/kg	100	97.0	97	70-125	
1,2,4-Trichlorobenzene	ug/kg	100	102	102	70-135	
1,2,4-Trimethylbenzene	ug/kg	100	99.7	100	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	103	103	70-135	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3283145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	104	104	80-120	
1,2-Dichlorobenzene	ug/kg	100	105	105	80-120	
1,2-Dichloroethane	ug/kg	100	103	103	80-120	
1,2-Dichloroethene (Total)	ug/kg	200	199	99	80-120	
1,2-Dichloropropane	ug/kg	100	103	103	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	102	102	80-125	
1,3-Dichlorobenzene	ug/kg	100	101	101	80-120	
1,3-Dichloropropane	ug/kg	100	109	109	80-125	
1,4-Dichlorobenzene	ug/kg	100	99.8	100	80-120	
2,2-Dichloropropane	ug/kg	100	91.5	92	75-125	
2-Butanone (MEK)	ug/kg	500	559	112	45-155	
2-Chlorotoluene	ug/kg	100	97.3	97	75-120	
2-Hexanone	ug/kg	500	595	119	60-145	
4-Chlorotoluene	ug/kg	100	104	104	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	489	98	65-135	
Acetone	ug/kg	500	610	122	25-170	
Benzene	ug/kg	100	104	104	80-120	
Bromobenzene	ug/kg	100	102	102	80-120	
Bromochloromethane	ug/kg	100	102	102	75-125	
Bromodichloromethane	ug/kg	100	106	106	80-120	
Bromoform	ug/kg	100	113	113	75-130	
Bromomethane	ug/kg	100	91.4	91	40-140	
Carbon disulfide	ug/kg	100	92.9	93	60-130	
Carbon tetrachloride	ug/kg	100	104	104	80-125	
Chlorobenzene	ug/kg	100	107	107	80-120	
Chloroethane	ug/kg	100	84.6	85	55-130	
Chloroform	ug/kg	100	102	102	80-120	
Chloromethane	ug/kg	100	95.4	95	40-130	
cis-1,2-Dichloroethene	ug/kg	100	102	102	80-120	
cis-1,3-Dichloropropene	ug/kg	100	104	104	80-125	
Dibromochloromethane	ug/kg	100	111	111	80-125	
Dibromomethane	ug/kg	100	105	105	80-120	
Dichlorodifluoromethane	ug/kg	100	95.9	96	15-150	
Ethylbenzene	ug/kg	100	107	107	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	99.8	100	70-135	
Isopropylbenzene (Cumene)	ug/kg	100	108	108	80-130	
Methyl-tert-butyl ether	ug/kg	100	101	101	75-125	
Methylene Chloride	ug/kg	100	88.2	88	70-125	
n-Butylbenzene	ug/kg	100	103	103	80-125	
n-Propylbenzene	ug/kg	100	100	100	80-120	
Naphthalene	ug/kg	100	105	105	75-130	
p-Isopropyltoluene	ug/kg	100	102	102	80-125	
sec-Butylbenzene	ug/kg	100	102	102	80-125	
Styrene	ug/kg	100	125	125	80-130	
tert-Butylbenzene	ug/kg	100	101	101	80-125	
Tetrachloroethene	ug/kg	100	107	107	75-135	
Toluene	ug/kg	100	103	103	80-120	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3283145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	97.1	97	80-120	
trans-1,3-Dichloropropene	ug/kg	100	103	103	80-120	
Trichloroethene	ug/kg	100	101	101	80-120	
Trichlorofluoromethane	ug/kg	100	92.0	92	60-130	
Vinyl chloride	ug/kg	100	90.9	91	40-135	
Xylene (Total)	ug/kg	300	320	107	80-120	
1,2-Dichlorobenzene-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			94	80-125	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283146 3283147

Parameter	Units	60419257007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	116	116	67.5	85.5	58	74	80-125	24	35	M1
1,1,1-Trichloroethane	ug/kg	ND	116	116	89.6	100	77	87	80-125	11	35	M1
1,1,2,2-Tetrachloroethane	ug/kg	ND	116	116	48.8	71.3	42	62	70-125	37	35	M1, R1
1,1,2-Trichloroethane	ug/kg	ND	116	116	56.1	89.0	48	77	80-125	45	35	M1, R1
1,1-Dichloroethane	ug/kg	ND	116	116	84.7	88.6	73	77	75-120	4	35	M1
1,1-Dichloroethene	ug/kg	ND	116	116	93.7	91.4	80	79	70-125	2	35	
1,1-Dichloropropene	ug/kg	ND	116	116	89.8	98.6	77	85	80-125	9	35	M1
1,2,3-Trichlorobenzene	ug/kg	ND	116	116	44.4	61.3	38	53	75-135	32	50	M1
1,2,3-Trichloropropane	ug/kg	ND	116	116	48.5	68.9	42	60	70-125	35	35	M1
1,2,4-Trichlorobenzene	ug/kg	ND	116	116	47.6	60.8	41	53	70-135	24	50	M1
1,2,4-Trimethylbenzene	ug/kg	ND	116	116	67.7	80.1	57	68	80-125	17	35	M1
1,2-Dibromo-3-chloropropane	ug/kg	ND	116	116	42.6	67.4	37	58	70-135	45	35	M1, R1
1,2-Dibromoethane (EDB)	ug/kg	ND	116	116	56.4	80.3	48	69	80-125	35	50	M1
1,2-Dichlorobenzene	ug/kg	ND	116	116	57.2	72.6	49	63	80-120	24	35	M1
1,2-Dichloroethane	ug/kg	ND	116	116	59.9	79.8	51	69	75-125	28	35	M1
1,2-Dichloroethene (Total)	ug/kg	ND	233	231	172	180	74	78	80-120	5	35	
1,2-Dichloropropane	ug/kg	ND	116	116	67.5	85.6	58	74	80-120	24	35	M1
1,3,5-Trimethylbenzene	ug/kg	ND	116	116	72.9	82.1	62	71	80-125	12	35	M1
1,3-Dichlorobenzene	ug/kg	ND	116	116	60.3	73.1	52	63	80-120	19	37	M1
1,3-Dichloropropane	ug/kg	ND	116	116	56.2	85.7	48	74	80-125	42	35	M1, R1
1,4-Dichlorobenzene	ug/kg	ND	116	116	59.2	72.2	51	62	80-120	20	35	M1
2,2-Dichloropropane	ug/kg	ND	116	116	98.0	99.9	84	86	75-125	2	35	
2-Butanone (MEK)	ug/kg	ND	582	578	4.5J	338	1	58	45-155		35	M1
2-Chlorotoluene	ug/kg	ND	116	116	66.6	75.5	57	65	75-120	12	35	M1
2-Hexanone	ug/kg	ND	582	578	219	386	38	67	60-145	55	35	M1, R1
4-Chlorotoluene	ug/kg	ND	116	116	67.8	78.8	58	68	80-120	15	35	M1
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	582	578	213	337	37	58	65-135	45	35	M1, R1
Acetone	ug/kg	ND	582	578	227	312	39	54	25-170	31	35	
Benzene	ug/kg	ND	116	116	76.6	91.2	66	79	80-120	17	35	M1
Bromobenzene	ug/kg	ND	116	116	60.6	76.8	52	66	80-120	24	35	M1

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283146 3283147											
Parameter	Units	60419257007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	116	116	67.4	86.9	58	75	75-125	25	35 M1
Bromodichloromethane	ug/kg	ND	116	116	64.7	84.4	56	73	80-120	26	35 M1
Bromoform	ug/kg	ND	116	116	53.5	78.1	46	68	75-130	38	35 M1, R1
Bromomethane	ug/kg	ND	116	116	80.0	83.6	68	72	40-140	4	35
Carbon disulfide	ug/kg	ND	116	116	90.4	88.4	78	77	60-130	2	35
Carbon tetrachloride	ug/kg	ND	116	116	92.3	101	79	88	80-125	9	35 M1
Chlorobenzene	ug/kg	ND	116	116	70.3	85.9	60	74	80-120	20	35 M1
Chloroethane	ug/kg	ND	116	116	79.1	79.3	68	69	55-130	0	35
Chloroform	ug/kg	ND	116	116	74.1	88.4	64	77	80-120	18	35 M1
Chloromethane	ug/kg	ND	116	116	75.2	74.8	65	65	40-130	1	35
cis-1,2-Dichloroethene	ug/kg	ND	116	116	83.0	90.0	71	78	80-120	8	35 M1
cis-1,3-Dichloropropene	ug/kg	ND	116	116	63.0	83.6	54	72	80-125	28	35 M1
Dibromochloromethane	ug/kg	ND	116	116	59.5	83.9	51	73	80-125	34	35 M1
Dibromomethane	ug/kg	ND	116	116	58.8	81.2	51	70	80-120	32	35 M1
Dichlorodifluoromethane	ug/kg	ND	116	116	83.3	77.9	72	67	15-150	7	35
Ethylbenzene	ug/kg	ND	116	116	78.9	92.2	67	79	80-125	15	35 M1
Hexachloro-1,3-butadiene	ug/kg	ND	116	116	68.5	83.0	59	72	70-135	19	45 M1
Isopropylbenzene (Cumene)	ug/kg	ND	116	116	81.5	92.2	70	80	80-130	12	35 M1
Methyl-tert-butyl ether	ug/kg	ND	116	116	58.7	73.4	50	64	75-125	22	42 M1
Methylene Chloride	ug/kg	ND	116	116	65.7	72.0	56	62	70-125	9	35 M1
n-Butylbenzene	ug/kg	ND	116	116	74.4	81.1	64	70	80-125	9	35 M1
n-Propylbenzene	ug/kg	ND	116	116	76.5	84.4	66	73	80-120	10	35 M1
Naphthalene	ug/kg	ND	116	116	41.4	63.3	36	55	75-130	42	63 M1
p-Isopropyltoluene	ug/kg	ND	116	116	76.1	85.8	65	74	80-125	12	35 M1
sec-Butylbenzene	ug/kg	ND	116	116	79.0	86.4	68	75	80-125	9	35 M1
Styrene	ug/kg	ND	116	116	66.4	78.3	57	68	80-130	16	35 M1
tert-Butylbenzene	ug/kg	ND	116	116	79.1	88.5	68	77	80-125	11	35 M1
Tetrachloroethene	ug/kg	ND	116	116	87.2	106	75	92	75-135	20	35
Toluene	ug/kg	ND	116	116	76.8	99.5	65	86	80-120	26	35 M1
trans-1,2-Dichloroethene	ug/kg	ND	116	116	89.4	90.4	77	78	80-120	1	35 M1
trans-1,3-Dichloropropene	ug/kg	ND	116	116	57.9	87.2	50	76	80-120	40	35 M1, R1
Trichloroethene	ug/kg	ND	116	116	82.8	95.1	71	82	80-120	14	35 M1
Trichlorofluoromethane	ug/kg	ND	116	116	97.0	93.6	83	81	60-130	4	35
Vinyl chloride	ug/kg	ND	116	116	88.0	85.1	76	74	40-135	3	35
Xylene (Total)	ug/kg	ND	350	346	231	270	66	78	80-125	16	35 MS
1,2-Dichlorobenzene-d4 (S)	%						106	100	80-120		
4-Bromofluorobenzene (S)	%						96	92	80-125		
Toluene-d8 (S)	%						100	110	80-120		

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826579	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 5035A/5030	Analysis Description:	8260 MSV 5035A Volatile Organics
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK: 3283263

Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.0	01/10/23 09:17	
1,1,1-Trichloroethane	ug/kg	ND	5.0	0.75	01/10/23 09:17	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.0	01/10/23 09:17	
1,1,2-Trichloroethane	ug/kg	ND	5.0	0.63	01/10/23 09:17	
1,1-Dichloroethane	ug/kg	ND	5.0	0.39	01/10/23 09:17	
1,1-Dichloroethene	ug/kg	ND	5.0	0.64	01/10/23 09:17	
1,1-Dichloropropene	ug/kg	ND	5.0	0.90	01/10/23 09:17	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	0.80	01/10/23 09:17	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.1	01/10/23 09:17	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	0.80	01/10/23 09:17	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	0.67	01/10/23 09:17	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	1.8	01/10/23 09:17	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	0.54	01/10/23 09:17	
1,2-Dichlorobenzene	ug/kg	ND	5.0	0.62	01/10/23 09:17	
1,2-Dichloroethane	ug/kg	ND	5.0	0.40	01/10/23 09:17	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	1.1	01/10/23 09:17	
1,2-Dichloropropane	ug/kg	ND	5.0	0.98	01/10/23 09:17	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	0.63	01/10/23 09:17	
1,3-Dichlorobenzene	ug/kg	ND	5.0	0.72	01/10/23 09:17	
1,3-Dichloropropane	ug/kg	ND	5.0	0.69	01/10/23 09:17	
1,4-Dichlorobenzene	ug/kg	ND	5.0	0.81	01/10/23 09:17	
2,2-Dichloropropane	ug/kg	ND	5.0	0.48	01/10/23 09:17	
2-Butanone (MEK)	ug/kg	ND	10.0	3.4	01/10/23 09:17	
2-Chlorotoluene	ug/kg	ND	5.0	0.73	01/10/23 09:17	
2-Hexanone	ug/kg	ND	20.0	2.5	01/10/23 09:17	
4-Chlorotoluene	ug/kg	ND	5.0	0.60	01/10/23 09:17	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	3.0	01/10/23 09:17	
Acetone	ug/kg	ND	20.0	16.2	01/10/23 09:17	
Benzene	ug/kg	ND	5.0	0.49	01/10/23 09:17	
Bromobenzene	ug/kg	ND	5.0	0.94	01/10/23 09:17	
Bromochloromethane	ug/kg	ND	5.0	0.60	01/10/23 09:17	
Bromodichloromethane	ug/kg	ND	5.0	0.60	01/10/23 09:17	
Bromoform	ug/kg	ND	5.0	0.58	01/10/23 09:17	
Bromomethane	ug/kg	ND	5.0	2.9	01/10/23 09:17	
Carbon disulfide	ug/kg	ND	5.0	0.64	01/10/23 09:17	
Carbon tetrachloride	ug/kg	ND	5.0	0.86	01/10/23 09:17	
Chlorobenzene	ug/kg	ND	5.0	0.63	01/10/23 09:17	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

METHOD BLANK: 3283263

Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroethane	ug/kg	ND	5.0	1.5	01/10/23 09:17	
Chloroform	ug/kg	ND	5.0	0.49	01/10/23 09:17	
Chloromethane	ug/kg	ND	5.0	0.80	01/10/23 09:17	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	0.43	01/10/23 09:17	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	0.53	01/10/23 09:17	
Dibromochloromethane	ug/kg	ND	5.0	0.65	01/10/23 09:17	
Dibromomethane	ug/kg	ND	5.0	0.60	01/10/23 09:17	
Dichlorodifluoromethane	ug/kg	ND	5.0	1.2	01/10/23 09:17	
Ethylbenzene	ug/kg	ND	5.0	0.46	01/10/23 09:17	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	0.85	01/10/23 09:17	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	0.57	01/10/23 09:17	
Methyl-tert-butyl ether	ug/kg	ND	5.0	0.48	01/10/23 09:17	
Methylene Chloride	ug/kg	ND	5.0	2.7	01/10/23 09:17	
n-Butylbenzene	ug/kg	ND	5.0	0.65	01/10/23 09:17	
n-Propylbenzene	ug/kg	ND	5.0	0.80	01/10/23 09:17	
Naphthalene	ug/kg	ND	10.0	0.82	01/10/23 09:17	
p-Isopropyltoluene	ug/kg	ND	5.0	0.69	01/10/23 09:17	
sec-Butylbenzene	ug/kg	ND	5.0	0.73	01/10/23 09:17	
Styrene	ug/kg	ND	5.0	0.59	01/10/23 09:17	
tert-Butylbenzene	ug/kg	ND	25.0	0.88	01/10/23 09:17	
Tetrachloroethene	ug/kg	ND	5.0	0.41	01/10/23 09:17	
Toluene	ug/kg	ND	5.0	0.35	01/10/23 09:17	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	0.68	01/10/23 09:17	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	0.46	01/10/23 09:17	
Trichloroethene	ug/kg	ND	5.0	0.72	01/10/23 09:17	
Trichlorofluoromethane	ug/kg	ND	5.0	0.61	01/10/23 09:17	
Vinyl chloride	ug/kg	ND	5.0	0.67	01/10/23 09:17	
Xylene (Total)	ug/kg	ND	5.0	1.1	01/10/23 09:17	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120		01/10/23 09:17	
4-Bromofluorobenzene (S)	%	97	80-125		01/10/23 09:17	
Toluene-d8 (S)	%	102	80-120		01/10/23 09:17	

LABORATORY CONTROL SAMPLE: 3283264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	115	115	80-125	
1,1,1-Trichloroethane	ug/kg	100	106	106	80-125	
1,1,2,2-Tetrachloroethane	ug/kg	100	109	109	70-125	
1,1,2-Trichloroethane	ug/kg	100	110	110	80-125	
1,1-Dichloroethane	ug/kg	100	98.2	98	75-120	
1,1-Dichloroethene	ug/kg	100	110	110	70-125	
1,1-Dichloropropene	ug/kg	100	106	106	80-125	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3283264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/kg	100	103	103	75-135	
1,2,3-Trichloropropane	ug/kg	100	105	105	70-125	
1,2,4-Trichlorobenzene	ug/kg	100	104	104	70-135	
1,2,4-Trimethylbenzene	ug/kg	100	104	104	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	103	103	70-135	
1,2-Dibromoethane (EDB)	ug/kg	100	111	111	80-120	
1,2-Dichlorobenzene	ug/kg	100	110	110	80-120	
1,2-Dichloroethane	ug/kg	100	103	103	80-120	
1,2-Dichloroethene (Total)	ug/kg	200	206	103	80-120	
1,2-Dichloropropane	ug/kg	100	102	102	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	108	108	80-125	
1,3-Dichlorobenzene	ug/kg	100	106	106	80-120	
1,3-Dichloropropane	ug/kg	100	110	110	80-125	
1,4-Dichlorobenzene	ug/kg	100	105	105	80-120	
2,2-Dichloropropane	ug/kg	100	103	103	75-125	
2-Butanone (MEK)	ug/kg	500	469	94	45-155	
2-Chlorotoluene	ug/kg	100	101	101	75-120	
2-Hexanone	ug/kg	500	542	108	60-145	
4-Chlorotoluene	ug/kg	100	109	109	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	484	97	65-135	
Acetone	ug/kg	500	486	97	25-170	
Benzene	ug/kg	100	104	104	80-120	
Bromobenzene	ug/kg	100	106	106	80-120	
Bromochloromethane	ug/kg	100	110	110	75-125	
Bromodichloromethane	ug/kg	100	107	107	80-120	
Bromoform	ug/kg	100	117	117	75-130	
Bromomethane	ug/kg	100	106	106	40-140	
Carbon disulfide	ug/kg	100	100	100	60-130	
Carbon tetrachloride	ug/kg	100	109	109	80-125	
Chlorobenzene	ug/kg	100	111	111	80-120	
Chloroethane	ug/kg	100	91.5	92	55-130	
Chloroform	ug/kg	100	104	104	80-120	
Chloromethane	ug/kg	100	89.2	89	40-130	
cis-1,2-Dichloroethene	ug/kg	100	106	106	80-120	
cis-1,3-Dichloropropene	ug/kg	100	106	106	80-125	
Dibromochloromethane	ug/kg	100	116	116	80-125	
Dibromomethane	ug/kg	100	107	107	80-120	
Dichlorodifluoromethane	ug/kg	100	87.2	87	15-150	
Ethylbenzene	ug/kg	100	109	109	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	104	104	70-135	
Isopropylbenzene (Cumene)	ug/kg	100	111	111	80-130	
Methyl-tert-butyl ether	ug/kg	100	100	100	75-125	
Methylene Chloride	ug/kg	100	88.4	88	70-125	
n-Butylbenzene	ug/kg	100	108	108	80-125	
n-Propylbenzene	ug/kg	100	107	107	80-120	
Naphthalene	ug/kg	100	101	101	75-130	
p-Isopropyltoluene	ug/kg	100	106	106	80-125	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3283264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/kg	100	107	107	80-125	
Styrene	ug/kg	100	128	128	80-130	
tert-Butylbenzene	ug/kg	100	110	110	80-125	
Tetrachloroethene	ug/kg	100	113	113	75-135	
Toluene	ug/kg	100	107	107	80-120	
trans-1,2-Dichloroethene	ug/kg	100	100	100	80-120	
trans-1,3-Dichloropropene	ug/kg	100	110	110	80-120	
Trichloroethene	ug/kg	100	106	106	80-120	
Trichlorofluoromethane	ug/kg	100	107	107	60-130	
Vinyl chloride	ug/kg	100	91.5	91	40-135	
Xylene (Total)	ug/kg	300	335	112	80-120	
1,2-Dichlorobenzene-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			95	80-125	
Toluene-d8 (S)	%			101	80-120	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826324	Analysis Method:	KS MRH/HRH
QC Batch Method:	EPA 3546	Analysis Description:	EPA 8015 KS TPH
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK: 3282694 Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
HRH (C19-C35)	mg/kg	ND	7.8	5.2	01/10/23 09:22	
MRH (C9-C18)	mg/kg	ND	5.9	3.6	01/10/23 09:22	
1-Chloro-octadecane (S)	%	87	40-140		01/10/23 09:22	

LABORATORY CONTROL SAMPLE & LCSD: 3282695

LABORATORY CONTROL SAMPLE & LCSD: 3282695		3282696								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
HRH (C19-C35)	mg/kg	7.9	7.7J	10.2	98	131	40-140		25	
MRH (C9-C18)	mg/kg	5.9	5.0J	5.2J	85	89	40-140		25	
1-Chloro-octadecane (S)	%				91	91	40-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282697

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
3282697					3282698							
Parameter	Units	60419376004	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
HRH (C19-C35)	mg/kg	ND	8.4	9.3	8.6	9.4	92	92	40-140	9	50	
MRH (C9-C18)	mg/kg	ND	6.3	6.9	5.4J	5.8J	81	80	40-140		50	
1-Chloro-octadecane (S)	%						78	85	40-140			

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch: 826438

Analysis Method: EPA 8082

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Laboratory:

Pace Analytical Services - Kansas City

Associated Lab Samples: 60419376001, 60419376002, 60419376003

METHOD BLANK: 3283000

Matrix: Solid

Associated Lab Samples: 60419376001, 60419376002, 60419376003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.0	7.7	01/10/23 15:09	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.0	7.4	01/10/23 15:09	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.0	3.4	01/10/23 15:09	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.0	7.5	01/10/23 15:09	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.0	2.0	01/10/23 15:09	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.0	2.9	01/10/23 15:09	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.0	6.1	01/10/23 15:09	CH
Decachlorobiphenyl (S)	%	58	20-120		01/10/23 15:09	CH

LABORATORY CONTROL SAMPLE: 3283001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	160	148	92	48-120	
PCB-1260 (Aroclor 1260)	ug/kg	160	176	110	55-120	CH
Decachlorobiphenyl (S)	%			61	20-120	CH

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283041 3283042

Parameter	Units	60419399001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	182	179	126	124	69	69	48-120	1	40	
PCB-1260 (Aroclor 1260)	ug/kg	ND	182	179	113	111	62	62	55-120	2	40	CH
Decachlorobiphenyl (S)	%						31	31	20-120		40	CH

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826325	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK: 3282699 Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	314	65.8	01/12/23 17:29	
1,2-Dichlorobenzene	ug/kg	ND	314	62.5	01/12/23 17:29	
1,3-Dichlorobenzene	ug/kg	ND	314	61.4	01/12/23 17:29	
1,4-Dichlorobenzene	ug/kg	ND	314	60.5	01/12/23 17:29	
2,4,5-Trichlorophenol	ug/kg	ND	314	64.3	01/12/23 17:29	
2,4,6-Trichlorophenol	ug/kg	ND	314	58.1	01/12/23 17:29	
2,4-Dichlorophenol	ug/kg	ND	314	62.9	01/12/23 17:29	
2,4-Dimethylphenol	ug/kg	ND	314	45.7	01/12/23 17:29	
2,4-Dinitrophenol	ug/kg	ND	1590	94.9	01/12/23 17:29	
2,4-Dinitrotoluene	ug/kg	ND	314	70.7	01/12/23 17:29	
2,6-Dinitrotoluene	ug/kg	ND	314	61.2	01/12/23 17:29	
2-Chloronaphthalene	ug/kg	ND	314	66.1	01/12/23 17:29	
2-Chlorophenol	ug/kg	ND	314	64.1	01/12/23 17:29	
2-Methylnaphthalene	ug/kg	ND	314	63.7	01/12/23 17:29	
2-Methylphenol(o-Cresol)	ug/kg	ND	314	57.2	01/12/23 17:29	
2-Nitroaniline	ug/kg	ND	628	52.1	01/12/23 17:29	
2-Nitrophenol	ug/kg	ND	314	49.1	01/12/23 17:29	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	314	58.3	01/12/23 17:29	
3,3'-Dichlorobenzidine	ug/kg	ND	628	30.8	01/12/23 17:29	
3-Nitroaniline	ug/kg	ND	628	48.9	01/12/23 17:29	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1590	54.3	01/12/23 17:29	
4-Bromophenylphenyl ether	ug/kg	ND	314	67.8	01/12/23 17:29	
4-Chloro-3-methylphenol	ug/kg	ND	628	65.9	01/12/23 17:29	
4-Chloroaniline	ug/kg	ND	628	49.2	01/12/23 17:29	
4-Chlorophenylphenyl ether	ug/kg	ND	314	67.4	01/12/23 17:29	
4-Nitroaniline	ug/kg	ND	628	53.8	01/12/23 17:29	
4-Nitrophenol	ug/kg	ND	1590	46.3	01/12/23 17:29	
Acenaphthene	ug/kg	ND	314	67.5	01/12/23 17:29	
Acenaphthylene	ug/kg	ND	314	51.4	01/12/23 17:29	
Anthracene	ug/kg	ND	314	65.7	01/12/23 17:29	
Benzo(a)anthracene	ug/kg	ND	314	66.4	01/12/23 17:29	
Benzo(a)pyrene	ug/kg	ND	314	67.6	01/12/23 17:29	
Benzo(b)fluoranthene	ug/kg	ND	314	76.6	01/12/23 17:29	
Benzo(g,h,i)perylene	ug/kg	ND	314	54.5	01/12/23 17:29	
Benzo(k)fluoranthene	ug/kg	ND	314	67.6	01/12/23 17:29	
Benzoic Acid	ug/kg	ND	1590	171	01/12/23 17:29	
Benzyl alcohol	ug/kg	ND	628	57.7	01/12/23 17:29	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

PACE Project No.: 60419376

METHOD BLANK: 3282699

Matrix: Solid

Associated Lab Samples: 60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroethoxy)methane	ug/kg	ND	314	62.4	01/12/23 17:29	
bis(2-Chloroethyl) ether	ug/kg	ND	314	63.4	01/12/23 17:29	
bis(2-Chloroisopropyl) ether	ug/kg	ND	314	68.1	01/12/23 17:29	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	314	70.5	01/12/23 17:29	
Butylbenzylphthalate	ug/kg	ND	314	64.0	01/12/23 17:29	
Carbazole	ug/kg	ND	314	64.6	01/12/23 17:29	
Chrysene	ug/kg	ND	314	70.0	01/12/23 17:29	
Di-n-butylphthalate	ug/kg	ND	314	74.3	01/12/23 17:29	
Di-n-octylphthalate	ug/kg	ND	314	76.4	01/12/23 17:29	
Dibenz(a,h)anthracene	ug/kg	ND	314	56.4	01/12/23 17:29	
Dibenzofuran	ug/kg	ND	314	67.1	01/12/23 17:29	
Diethylphthalate	ug/kg	ND	314	71.8	01/12/23 17:29	
Dimethylphthalate	ug/kg	ND	314	65.2	01/12/23 17:29	
Fluoranthene	ug/kg	ND	314	69.2	01/12/23 17:29	
Fluorene	ug/kg	ND	314	66.8	01/12/23 17:29	
Hexachloro-1,3-butadiene	ug/kg	ND	314	67.3	01/12/23 17:29	
Hexachlorobenzene	ug/kg	ND	314	65.7	01/12/23 17:29	
Hexachlorocyclopentadiene	ug/kg	ND	314	193	01/12/23 17:29	
Hexachloroethane	ug/kg	ND	314	57.6	01/12/23 17:29	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	314	64.2	01/12/23 17:29	
Isophorone	ug/kg	ND	314	60.7	01/12/23 17:29	
N-Nitroso-di-n-propylamine	ug/kg	ND	314	59.9	01/12/23 17:29	
N-Nitrosodiphenylamine	ug/kg	ND	314	62.4	01/12/23 17:29	
Naphthalene	ug/kg	ND	314	67.6	01/12/23 17:29	
Nitrobenzene	ug/kg	ND	314	66.5	01/12/23 17:29	
Pentachlorophenol	ug/kg	ND	1590	104	01/12/23 17:29	
Phenanthrene	ug/kg	ND	314	67.1	01/12/23 17:29	
Phenol	ug/kg	ND	314	59.1	01/12/23 17:29	
Pyrene	ug/kg	ND	314	67.0	01/12/23 17:29	
Pyridine	ug/kg	ND	314	46.5	01/12/23 17:29	
2,4,6-Tribromophenol (S)	%	77	35-120		01/12/23 17:29	
2-Fluorobiphenyl (S)	%	79	40-120		01/12/23 17:29	
2-Fluorophenol (S)	%	81	40-120		01/12/23 17:29	
Nitrobenzene-d5 (S)	%	77	30-120		01/12/23 17:29	
Phenol-d6 (S)	%	83	40-120		01/12/23 17:29	
Terphenyl-d14 (S)	%	83	45-120		01/12/23 17:29	

LABORATORY CONTROL SAMPLE: 3282700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1630	1160	72	50-120	
1,2-Dichlorobenzene	ug/kg	1630	1170	72	45-120	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3282700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	1630	1140	70	45-120	
1,4-Dichlorobenzene	ug/kg	1630	1170	72	45-120	
2,4,5-Trichlorophenol	ug/kg	1630	1280	79	50-120	
2,4,6-Trichlorophenol	ug/kg	1630	1250	77	45-120	
2,4-Dichlorophenol	ug/kg	1630	1210	74	50-120	
2,4-Dimethylphenol	ug/kg	1630	1200	74	40-120	
2,4-Dinitrophenol	ug/kg	1630	933J	57	10-145	
2,4-Dinitrotoluene	ug/kg	1630	1280	78	50-120	
2,6-Dinitrotoluene	ug/kg	1630	1260	77	50-120	
2-Chloronaphthalene	ug/kg	1630	1230	76	45-120	
2-Chlorophenol	ug/kg	1630	1210	74	45-120	
2-Methylnaphthalene	ug/kg	1630	1190	73	50-120	
2-Methylphenol(o-Cresol)	ug/kg	1630	1210	75	45-120	
2-Nitroaniline	ug/kg	1630	1270	78	45-120	
2-Nitrophenol	ug/kg	1630	1190	73	45-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1630	1220	75	45-120	
3,3'-Dichlorobenzidine	ug/kg	1630	1200	74	10-120	
3-Nitroaniline	ug/kg	1630	1100	68	15-120	
4,6-Dinitro-2-methylphenol	ug/kg	1630	1170J	72	20-135	
4-Bromophenylphenyl ether	ug/kg	1630	1260	78	50-120	
4-Chloro-3-methylphenol	ug/kg	1630	1240	76	50-120	
4-Chloroaniline	ug/kg	1630	871	54	10-120	
4-Chlorophenylphenyl ether	ug/kg	1630	1240	76	50-120	
4-Nitroaniline	ug/kg	1630	1240	76	45-120	
4-Nitrophenol	ug/kg	1630	1260J	78	45-125	
Acenaphthene	ug/kg	1630	1220	75	50-120	
Acenaphthylene	ug/kg	1630	1240	76	50-120	
Anthracene	ug/kg	1630	1250	77	50-120	
Benzo(a)anthracene	ug/kg	1630	1260	78	50-120	
Benzo(a)pyrene	ug/kg	1630	1250	77	50-120	
Benzo(b)fluoranthene	ug/kg	1630	1330	82	50-120	
Benzo(g,h,i)perylene	ug/kg	1630	1220	75	45-120	
Benzo(k)fluoranthene	ug/kg	1630	1230	76	50-120	
Benzoic Acid	ug/kg	1630	940J	58	10-155	
Benzyl alcohol	ug/kg	1630	1190	73	45-120	
bis(2-Chloroethoxy)methane	ug/kg	1630	1190	73	45-120	
bis(2-Chloroethyl) ether	ug/kg	1630	1210	74	45-120	
bis(2-Chloroisopropyl) ether	ug/kg	1630	1220	75	40-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1630	1320	81	50-125	
Butylbenzylphthalate	ug/kg	1630	1350	83	55-120	
Carbazole	ug/kg	1630	1250	77	50-120	
Chrysene	ug/kg	1630	1230	76	50-120	
Di-n-butylphthalate	ug/kg	1630	1310	81	50-120	
Di-n-octylphthalate	ug/kg	1630	1370	84	55-125	
Dibenz(a,h)anthracene	ug/kg	1630	1220	75	45-120	
Dibenzofuran	ug/kg	1630	1240	76	50-120	
Diethylphthalate	ug/kg	1630	1260	78	50-120	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

LABORATORY CONTROL SAMPLE: 3282700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethylphthalate	ug/kg	1630	1240	76	50-120	
Fluoranthene	ug/kg	1630	1250	77	50-120	
Fluorene	ug/kg	1630	1240	76	50-120	
Hexachloro-1,3-butadiene	ug/kg	1630	1170	72	50-120	
Hexachlorobenzene	ug/kg	1630	1210	75	50-120	
Hexachlorocyclopentadiene	ug/kg	1630	1160	71	20-120	
Hexachloroethane	ug/kg	1630	1160	71	45-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1630	1230	76	45-120	
Isophorone	ug/kg	1630	1190	73	45-120	
N-Nitroso-di-n-propylamine	ug/kg	1630	1190	73	45-120	
N-Nitrosodiphenylamine	ug/kg	1630	1260	78	50-120	
Naphthalene	ug/kg	1630	1200	74	50-120	
Nitrobenzene	ug/kg	1630	1200	74	45-120	
Pentachlorophenol	ug/kg	1630	1220J	75	25-135	
Phenanthrene	ug/kg	1630	1240	76	50-120	
Phenol	ug/kg	1630	1210	74	45-120	
Pyrene	ug/kg	1630	1300	80	55-120	
Pyridine	ug/kg	1630	848	52	25-120	
2,4,6-Tribromophenol (S)	%			83	35-120	
2-Fluorobiphenyl (S)	%			75	40-120	
2-Fluorophenol (S)	%			79	40-120	
Nitrobenzene-d5 (S)	%			73	30-120	
Phenol-d6 (S)	%			81	40-120	
Terphenyl-d14 (S)	%			77	45-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282701 3282702

Parameter	Units	60419376005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1820	1890	1170	1180	64	63	38-120	1	26	
1,2-Dichlorobenzene	ug/kg	ND	1820	1890	1130	1120	62	60	35-120	0	31	
1,3-Dichlorobenzene	ug/kg	ND	1820	1890	1130	1110	62	59	35-120	2	31	
1,4-Dichlorobenzene	ug/kg	ND	1820	1890	1140	1130	62	60	40-120	0	30	
2,4,5-Trichlorophenol	ug/kg	ND	1820	1890	1260	1340	69	71	40-125	6	31	
2,4,6-Trichlorophenol	ug/kg	ND	1820	1890	1260	1360	69	72	40-120	8	31	
2,4-Dichlorophenol	ug/kg	ND	1820	1890	1160	1220	64	64	35-120	5	29	
2,4-Dimethylphenol	ug/kg	ND	1820	1890	1130	1150	62	61	20-120	2	32	
2,4-Dinitrophenol	ug/kg	ND	1820	1890	559J	562J	31	30	10-125		35	
2,4-Dinitrotoluene	ug/kg	ND	1820	1890	1350	1480	74	79	25-135	9	32	
2,6-Dinitrotoluene	ug/kg	ND	1820	1890	1360	1460	75	77	20-140	7	25	
2-Chloronaphthalene	ug/kg	ND	1820	1890	1200	1270	66	67	35-120	6	28	
2-Chlorophenol	ug/kg	ND	1820	1890	1110	1090	61	58	30-120	2	31	
2-Methylnaphthalene	ug/kg	ND	1820	1890	1170	1200	64	64	35-120	3	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1820	1890	1100	1080	60	57	40-120	2	32	
2-Nitroaniline	ug/kg	ND	1820	1890	1290	1410	71	75	30-140	9	28	

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282701 3282702											
Parameter	Units	60419376005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2-Nitrophenol	ug/kg	ND	1820	1890	1260	1360	69	72	10-165	7	30
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1820	1890	1130	1130	62	60	40-120	0	30
3,3'-Dichlorobenzidine	ug/kg	ND	1820	1890	1470	1530	81	81	10-120	4	39
3-Nitroaniline	ug/kg	ND	1820	1890	1530	1660	84	88	10-130	8	27
4,6-Dinitro-2-methylphenol	ug/kg	ND	1820	1890	1080J	1210J	59	64	10-130		30
4-Bromophenylphenyl ether	ug/kg	ND	1820	1890	1330	1390	73	74	40-120	5	33
4-Chloro-3-methylphenol	ug/kg	ND	1820	1890	1180	1240	65	66	35-125	5	30
4-Chloroaniline	ug/kg	ND	1820	1890	1280	1320	70	70	10-120	4	33
4-Chlorophenylphenyl ether	ug/kg	ND	1820	1890	1280	1380	70	73	40-120	8	33
4-Nitroaniline	ug/kg	ND	1820	1890	1350	1470	74	78	15-125	9	47
4-Nitrophenol	ug/kg	ND	1820	1890	1150J	1250J	63	66	20-140		35
Acenaphthene	ug/kg	ND	1820	1890	1220	1310	67	69	40-120	7	23
Acenaphthylene	ug/kg	ND	1820	1890	1220	1310	67	69	40-120	7	29
Anthracene	ug/kg	ND	1820	1890	1310	1410	72	75	40-120	7	30
Benzo(a)anthracene	ug/kg	ND	1820	1890	1290	1360	71	72	35-130	6	32
Benzo(a)pyrene	ug/kg	ND	1820	1890	1320	1400	73	74	25-135	6	33
Benzo(b)fluoranthene	ug/kg	ND	1820	1890	1290	1350	71	71	15-145	4	37
Benzo(g,h,i)perylene	ug/kg	ND	1820	1890	1270	1380	70	73	25-120	8	41
Benzo(k)fluoranthene	ug/kg	ND	1820	1890	1320	1430	72	76	35-125	8	32
Benzoic Acid	ug/kg	ND	1820	1890	279J	226J	15	12	10-160		35
Benzyl alcohol	ug/kg	ND	1820	1890	1070	1070	59	57	40-120	0	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1820	1890	1130	1160	62	61	35-120	3	29
bis(2-Chloroethyl) ether	ug/kg	ND	1820	1890	1120	1100	62	59	35-120	2	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1820	1890	1070	1050	59	56	30-150	2	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1820	1890	1300	1370	72	73	30-150	5	33
Butylbenzylphthalate	ug/kg	ND	1820	1890	1280	1370	70	72	25-155	6	33
Carbazole	ug/kg	ND	1820	1890	1280	1390	70	74	40-120	8	30
Chrysene	ug/kg	ND	1820	1890	1280	1370	70	72	30-125	7	31
Di-n-butylphthalate	ug/kg	ND	1820	1890	1290	1390	71	74	40-125	7	31
Di-n-octylphthalate	ug/kg	ND	1820	1890	1330	1430	73	76	35-155	8	29
Dibenz(a,h)anthracene	ug/kg	ND	1820	1890	1290	1390	71	74	30-125	8	35
Dibenzofuran	ug/kg	ND	1820	1890	1250	1340	68	71	35-125	8	28
Diethylphthalate	ug/kg	ND	1820	1890	1240	1330	68	71	40-120	7	31
Dimethylphthalate	ug/kg	ND	1820	1890	1250	1340	68	71	40-120	7	30
Fluoranthene	ug/kg	ND	1820	1890	1300	1420	71	75	30-130	9	32
Fluorene	ug/kg	ND	1820	1890	1270	1370	70	73	40-120	8	32
Hexachloro-1,3-butadiene	ug/kg	ND	1820	1890	1170	1170	64	62	40-120	0	27
Hexachlorobenzene	ug/kg	ND	1820	1890	1290	1390	71	74	45-120	7	31
Hexachlorocyclopentadiene	ug/kg	ND	1820	1890	1190	1260	65	67	10-125	6	61
Hexachloroethane	ug/kg	ND	1820	1890	1090	1100	60	58	30-120	1	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1820	1890	1310	1390	72	74	30-125	6	38
Isophorone	ug/kg	ND	1820	1890	1130	1170	62	62	40-120	3	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1820	1890	1110	1120	61	59	35-120	1	30
N-Nitrosodiphenylamine	ug/kg	ND	1820	1890	1260	1360	69	72	35-125	8	36

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282701				3282702								
Parameter	Units	60419376005	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Naphthalene	ug/kg	ND	1820	1890	1160	1200	64	64	25-125	4	31	
Nitrobenzene	ug/kg	ND	1820	1890	1130	1170	62	62	40-120	4	29	
Pentachlorophenol	ug/kg	ND	1820	1890	1200J	1320J	66	70	15-150		35	
Phenanthrene	ug/kg	ND	1820	1890	1300	1390	71	74	35-125	7	29	
Phenol	ug/kg	ND	1820	1890	1070	1050	59	56	30-120	1	29	
Pyrene	ug/kg	ND	1820	1890	1290	1340	71	71	35-135	4	38	
Pyridine	ug/kg	ND	1820	1890	911	859	50	46	10-120	6	35	
2,4,6-Tribromophenol (S)	%						79	81	35-120			
2-Fluorobiphenyl (S)	%						65	67	40-120			
2-Fluorophenol (S)	%						58	55	40-120			
Nitrobenzene-d5 (S)	%						63	63	30-120			
Phenol-d6 (S)	%						62	59	40-120			
Terphenyl-d14 (S)	%						67	67	45-120			

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## QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

QC Batch:	826422	Analysis Method:	ASTM D2974
QC Batch Method:	ASTM D2974	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Kansas City
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

METHOD BLANK:	3282943	Matrix:	Solid
Associated Lab Samples:	60419376004, 60419376005, 60419376006, 60419376007, 60419376008, 60419376009, 60419376010, 60419376011, 60419376012, 60419376013, 60419376014, 60419376015, 60419376016, 60419376017, 60419376018, 60419376019, 60419376020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	0.50	01/09/23 11:40	

SAMPLE DUPLICATE:	3282944					
Parameter	Units	60419376004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	18.8	4	20	

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## QUALIFIERS

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60419376004	SB-1 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376005	SB-1 (12-14)	EPA 3546	826324	KS MRH/HRH	826585
60419376006	SB-2 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376007	SB-2 (9-11)	EPA 3546	826324	KS MRH/HRH	826585
60419376008	SB-3 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376009	SB-3 (7-9)	EPA 3546	826324	KS MRH/HRH	826585
60419376010	SB-4 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376011	SB-4 (19-21)	EPA 3546	826324	KS MRH/HRH	826585
60419376012	SB-5 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376013	SB-5 (13.5-15.5)	EPA 3546	826324	KS MRH/HRH	826585
60419376014	SB-6 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376015	SB-6 (0-3) DUP	EPA 3546	826324	KS MRH/HRH	826585
60419376016	SB-6 (12.5-14.5)	EPA 3546	826324	KS MRH/HRH	826585
60419376017	SB-7 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376018	SB-7 (10.5-12.5)	EPA 3546	826324	KS MRH/HRH	826585
60419376019	SB-8 (0-3)	EPA 3546	826324	KS MRH/HRH	826585
60419376020	SB-8 (10-12)	EPA 3546	826324	KS MRH/HRH	826585
60419376001	GFM-CLK-01	EPA 3546	826438	EPA 8082	826688
60419376002	GFM-CLK2-01	EPA 3546	826438	EPA 8082	826688
60419376003	GFM-CLK3-01	EPA 3546	826438	EPA 8082	826688
60419376004	SB-1 (0-3)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376005	SB-1 (12-14)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376006	SB-2 (0-3)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376007	SB-2 (9-11)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376008	SB-3 (0-3)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376009	SB-3 (7-9)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376010	SB-4 (0-3)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376011	SB-4 (19-21)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376012	SB-5 (0-3)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376013	SB-5 (13.5-15.5)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376014	SB-6 (0-3)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376015	SB-6 (0-3) DUP	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376016	SB-6 (12.5-14.5)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376017	SB-7 (0-3)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376018	SB-7 (10.5-12.5)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376019	SB-8 (0-3)	EPA 5035A/5030B	826598	EPA 8015B	826730
60419376020	SB-8 (10-12)	EPA 5035A/5030B	827816	EPA 8015B	827823
60419376004	SB-1 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376005	SB-1 (12-14)	EPA 3050	826352	EPA 6010	826659
60419376006	SB-2 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376007	SB-2 (9-11)	EPA 3050	826352	EPA 6010	826659

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60419376008	SB-3 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376009	SB-3 (7-9)	EPA 3050	826352	EPA 6010	826659
60419376010	SB-4 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376011	SB-4 (19-21)	EPA 3050	826352	EPA 6010	826659
60419376012	SB-5 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376013	SB-5 (13.5-15.5)	EPA 3050	826352	EPA 6010	826659
60419376014	SB-6 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376015	SB-6 (0-3) DUP	EPA 3050	826352	EPA 6010	826659
60419376016	SB-6 (12.5-14.5)	EPA 3050	826352	EPA 6010	826659
60419376017	SB-7 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376018	SB-7 (10.5-12.5)	EPA 3050	826352	EPA 6010	826659
60419376019	SB-8 (0-3)	EPA 3050	826352	EPA 6010	826659
60419376020	SB-8 (10-12)	EPA 3050	826352	EPA 6010	826659
60419376004	SB-1 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376005	SB-1 (12-14)	EPA 3050	826353	EPA 6020	826660
60419376006	SB-2 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376007	SB-2 (9-11)	EPA 3050	826353	EPA 6020	826660
60419376008	SB-3 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376009	SB-3 (7-9)	EPA 3050	826353	EPA 6020	826660
60419376010	SB-4 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376011	SB-4 (19-21)	EPA 3050	826353	EPA 6020	826660
60419376012	SB-5 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376013	SB-5 (13.5-15.5)	EPA 3050	826353	EPA 6020	826660
60419376014	SB-6 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376015	SB-6 (0-3) DUP	EPA 3050	826353	EPA 6020	826660
60419376016	SB-6 (12.5-14.5)	EPA 3050	826353	EPA 6020	826660
60419376017	SB-7 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376018	SB-7 (10.5-12.5)	EPA 3050	826353	EPA 6020	826660
60419376019	SB-8 (0-3)	EPA 3050	826353	EPA 6020	826660
60419376020	SB-8 (10-12)	EPA 3050	826353	EPA 6020	826660
60419376004	SB-1 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376005	SB-1 (12-14)	EPA 7471	826366	EPA 7471	826452
60419376006	SB-2 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376007	SB-2 (9-11)	EPA 7471	826366	EPA 7471	826452
60419376008	SB-3 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376009	SB-3 (7-9)	EPA 7471	826366	EPA 7471	826452
60419376010	SB-4 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376011	SB-4 (19-21)	EPA 7471	826366	EPA 7471	826452
60419376012	SB-5 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376013	SB-5 (13.5-15.5)	EPA 7471	826366	EPA 7471	826452
60419376014	SB-6 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376015	SB-6 (0-3) DUP	EPA 7471	826366	EPA 7471	826452
60419376016	SB-6 (12.5-14.5)	EPA 7471	826366	EPA 7471	826452
60419376017	SB-7 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376018	SB-7 (10.5-12.5)	EPA 7471	826366	EPA 7471	826452
60419376019	SB-8 (0-3)	EPA 7471	826366	EPA 7471	826452
60419376020	SB-8 (10-12)	EPA 7471	826366	EPA 7471	826452

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60419376004	SB-1 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376005	SB-1 (12-14)	EPA 3546	826325	EPA 8270	827019
60419376006	SB-2 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376007	SB-2 (9-11)	EPA 3546	826325	EPA 8270	827019
60419376008	SB-3 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376009	SB-3 (7-9)	EPA 3546	826325	EPA 8270	827019
60419376010	SB-4 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376011	SB-4 (19-21)	EPA 3546	826325	EPA 8270	827019
60419376012	SB-5 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376013	SB-5 (13.5-15.5)	EPA 3546	826325	EPA 8270	827019
60419376014	SB-6 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376015	SB-6 (0-3) DUP	EPA 3546	826325	EPA 8270	827019
60419376016	SB-6 (12.5-14.5)	EPA 3546	826325	EPA 8270	827019
60419376017	SB-7 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376018	SB-7 (10.5-12.5)	EPA 3546	826325	EPA 8270	827019
60419376019	SB-8 (0-3)	EPA 3546	826325	EPA 8270	827019
60419376020	SB-8 (10-12)	EPA 3546	826325	EPA 8270	827019
60419376004	SB-1 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376005	SB-1 (12-14)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376006	SB-2 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376007	SB-2 (9-11)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376008	SB-3 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376009	SB-3 (7-9)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376010	SB-4 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376011	SB-4 (19-21)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376012	SB-5 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376013	SB-5 (13.5-15.5)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376014	SB-6 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376015	SB-6 (0-3) DUP	EPA 5035A/5030	826579	EPA 8260B	826628
60419376016	SB-6 (12.5-14.5)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376017	SB-7 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376018	SB-7 (10.5-12.5)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376019	SB-8 (0-3)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376020	SB-8 (10-12)	EPA 5035A/5030	826579	EPA 8260B	826628
60419376021	TB-1	EPA 5035A/5030	826506	EPA 8260B	826523
60419376022	TB-2	EPA 5035A/5030	826506	EPA 8260B	826523
60419376004	SB-1 (0-3)	ASTM D2974	826422		
60419376005	SB-1 (12-14)	ASTM D2974	826422		
60419376006	SB-2 (0-3)	ASTM D2974	826422		
60419376007	SB-2 (9-11)	ASTM D2974	826422		
60419376008	SB-3 (0-3)	ASTM D2974	826422		
60419376009	SB-3 (7-9)	ASTM D2974	826422		
60419376010	SB-4 (0-3)	ASTM D2974	826422		
60419376011	SB-4 (19-21)	ASTM D2974	826422		
60419376012	SB-5 (0-3)	ASTM D2974	826422		
60419376013	SB-5 (13.5-15.5)	ASTM D2974	826422		
60419376014	SB-6 (0-3)	ASTM D2974	826422		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GOLDFINCH MECHANIC SITE (SL)

Pace Project No.: 60419376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60419376015	SB-6 (0-3) DUP	ASTM D2974	826422		
60419376016	SB-6 (12.5-14.5)	ASTM D2974	826422		
60419376017	SB-7 (0-3)	ASTM D2974	826422		
60419376018	SB-7 (10.5-12.5)	ASTM D2974	826422		
60419376019	SB-8 (0-3)	ASTM D2974	826422		
60419376020	SB-8 (10-12)	ASTM D2974	826422		

## REPORT OF LABORATORY ANALYSIS

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DC#\_Title: ENV-FRM-LENE-0009\_Samp

Revision: 2

Effective Date: 01/12/20

WO#: 60419376



60419376

Client Name: TEIRA TELH EM1Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☒ Xroads ☐ Client ☐ Other ☐Tracking #: \_\_\_\_\_ Pace Shipping Label Used? Yes ☒ No ☐Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☐ No ☒Packing Material: Bubble Wrap ☒ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T-296 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 4.4 Corr. Factor -0.1 Corrected 4.3Temperature should be above freezing to 6°C 2.5Date and initials of person  
examining contents:VF 01/06Chain of Custody present: ☒ Yes ☐ No ☐ N/AChain of Custody relinquished: ☒ Yes ☐ No ☐ N/ASamples arrived within holding time: ☒ Yes ☐ No ☐ N/AShort Hold Time analyses (<72hr): ☐ Yes ☒ No ☐ N/ARush Turn Around Time requested: ☐ Yes ☒ No ☐ N/ASufficient volume: ☒ Yes ☐ No ☐ N/ACorrect containers used: ☒ Yes ☐ No ☐ N/APace containers used: ☒ Yes ☐ No ☐ N/AContainers intact: ☒ Yes ☐ No ☐ N/AUnpreserved 5035A / TX1005/1006 soils frozen in 48hrs? ☐ Yes ☐ No ☒ N/AFiltered volume received for dissolved tests? ☐ Yes ☐ No ☒ N/ASample labels match COC: Date / time / ID / analyses ☒ Yes ☐ No ☐ N/ASamples contain multiple phases? Matrix: SL ☐ Yes ☐ No ☐ N/AContainers requiring pH preservation in compliance? ☐ Yes ☐ No ☐ N/A(HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide)

(Exceptions: VOA, Micro, O&amp;G, KS TPH, OK-DRO)

LOT#:

Cyanide water sample checks:

Lead acetate strip turns dark? (Record only) ☐ Yes ☐ NoPotassium iodide test strip turns blue/purple? (Preserve) ☐ Yes ☐ NoTrip Blank present: ☒ Yes ☐ No ☐ N/AHeadspace in VOA vials (>6mm): ☐ Yes ☐ No ☒ N/ASamples from USDA Regulated Area: State: MO ☐ Yes ☒ No ☐ N/AAdditional labels attached to 5035A / TX1005 vials in the field? ☐ Yes ☐ No ☒ N/A

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_





# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>.

## Section A

### Required Client Information:

Company: TETRA TECH EMI  
Address: 415 Oak  
Kansas City, MO 64106  
Email: kaitlyn.mitchell@tetratech.com  
Phone: (816)412-1742 Fax  
Requested Due Date:

## Section B

### Required Project Information:

Report To: Kaitlyn Mitchell  
Copy To:  
Purchase Order #:  
Project Name: Goldfinch Mechanic Site (SL)  
Project #:

## Section C

### Invoice Information:

Attention:  
Company Name:  
Address:  
Pace Quote:  
Pace Project Manager: jamie.church@pacelabs.com,  
Pace Profile #: 8083, line 1

Page: 1 Of 2

Regulatory Agency

State / Location

KS

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	8260 VOCs (5035 kit)	Trip Blank		KS LRH	KS MRH/HRH & 8270 SVOC	TAL Metals*	8082 PCBs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
*6020/7471	Macy LaMasney	1/6/23	1100		01/06	1343	4.4	Y	Y
							25		

### SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Macy LaMasney

SIGNATURE of SAMPLER:

Macy LaMasney

DATE Signed:

1/6/23

TEMP in C

Received on

Ice

(Y/N)

Custody

Sealed

Cooler

(Y/N)

Samples

Intact

(Y/N)



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>.

## Section A

### Required Client Information:

Company: TETRA TECH EMI  
Address: 415 Oak  
Kansas City, MO 64106  
Email: kaitlyn.mitchell@tetratech.com  
Phone: (816)412-1742 Fax:  
Requested Due Date:

## Section B

### Required Project Information:

Report To: Kaitlyn Mitchell  
Copy To:  
Purchase Order #:  
Project Name: Goldfinch Mechanic Site (SL)  
Project #:

## Section C

### Invoice Information:

Attention:  
Company Name:  
Address:  
Pace Quote:  
Pace Project Manager: jamie.church@pacelabs.com  
Pace Profile #: 8083, line 1

Page: 2 Of 2

Regulatory Agency

State / Location

KS

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		Analyses Test	B260 VOCs (5035 kit)	Trip Blank	KS LRH	KS MRH/HRH & 8270 SVOC	TAL Metals*	8082 PCBs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*6020/7471	Macy La Masney	1/6/23	1100		01/06	1343	4.4	Y	Y	Y
							2.5			

### SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

Macy La Masney

Macy La Masney

DATE Signed:

1/6/23

TEMP in C

Received on

Ice

(Y/N)

Custody

Sealed

Cooler

(Y/N)

Samples

Intact

(Y/N)

Client: TETRA TELH EM1

Profile # 8083 - 1

Site: GOLD FINCH MECHANIC SITE (SL)

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other	BP8U
1																1															
2																1															
3																1															
4							3	2								2															2
5							3	2								2															2
6							3	2								2															2
7							3	2								2															2
8							3	2								2															2
9							3	2								2															2
10							3	2								2															2
11							3	2								2															2
12							3	2								2															2

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1C	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unres amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3C	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60419376

PG 2/2

Client: TETRA TECH EM1

Profile # 8083-1

Site: GOLD FINCH MECHANIC SITE (SL)

Notes \_\_\_\_\_

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other	BP8U	
1							3	2								2															2	
2							3	2								2															2	
3							3	2								2															2	
4							3	2								2															2	
5							3	2								2															2	
6							3	2								2															2	
7							3	2								2															2	
8							3	2								2															2	
9					2																											
10					2																											
11																																
12																																

Container Codes

Glass				Plastic				Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1C	1L NaOH plastic	I		Wipe/Swab	
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T		120mL Coliform Na Thiosulfate	
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC		Ziploc Bag	
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF		Air Filter	
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C		Air Cassettes	
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NaOH plastic	R		Terracore Kit	
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U		Summa Can	
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic				
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic				
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate				
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3C	250mL NaOH plastic				
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL NaOH plastic - field filtered	WT		Water	
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL		Solid	
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL		Non-aqueous Liquid	
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL		OIL	
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP		Wipe	
				BP4U	125mL unpreserved plastic	DW		Drinking Water	
				BP4N	125mL HNO3 plastic				
				BP4S	125mL H2SO4 plastic				
				WPDU	16oz unpreserved plastic				

Work Order Number:

60419376