



June 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: Phase II Environmental Site Assessment
Contract No. 68HERH19D0018; Task Order (TO) No. 68E0719F0190
Goldfinch Mechanic Site
Northwest Corner of Goldfinch Road and 130th Street, Horton, Brown County, Kansas
Phase II Environmental Site Assessment

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 Phase II Environmental Site Assessment (ESA) report regarding the Goldfinch Mechanic Site (the Site) at the northwest corner of Goldfinch Road and 130th 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,

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Enclosure: Phase II ESA

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**TARGETED BROWNFIELDS ASSESSMENT
PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**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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FIGURE 2 SITE LAYOUT MAP

FIGURE 3 SAMPLE LOCATION MAP

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter “Toeroek Team”) with providing technical support to the EPA Region 7 Brownfields Program under Contract 68HERH19D0018, Task Order 68E0719F0190. EPA Region 7 requested that the Toeroek Team conduct a Phase II Environmental Site Assessment (ESA) as part of a Targeted Brownfields Assessment of the Goldfinch Mechanic Site (the Site) at the northwest corner of Goldfinch Road and 130th Street, about 5.5 miles northwest of the City of Horton, Brown County, Kansas.

The Site occupies one parcel (Brown County Parcel 0071441700000007000) at the northwest corner of Goldfinch Road and 130th Street ([Appendix A, Figure 1](#)). The Site includes a mechanic shop building (Main Building), a utility shed (Southwest Corner Shed), and one other shed (North Shed) ([Appendix A, Figure 2](#)). The Site historically has hosted a farm, a junk yard, and an auto repair shop. GSI Engineering, LLC (GSI) conducted a Phase I ESA in November 2021 (GSI 2021). According to the Brownfields Assessment Application (EPA 2022a), the current property owner, the Kickapoo Tribe in Kansas (Kickapoo Tribe), has shown interest in developing the Site contingent on findings from this Phase II ESA. Because of uncertainties regarding future use of the Site, conservative screening levels for residential land use will be assumed for this Phase II ESA.

The scope of this Phase II ESA included collection of surface soil, subsurface soil, and soil-gas samples to confirm or eliminate recognized environmental conditions (RECs) identified during the Phase I ESA (GSI 2021). This Phase II ESA report is consistent with ASTM International (ASTM) Standard E1903-19 for Phase II ESAs, and otherwise complies with EPA’s “All Appropriate Inquiries” Rule (AAI Rule) (Title 40 *Code of Federal Regulations* [CFR] Part 312).

1.1 PURPOSE

Purposes of this Phase II ESA were to: (1) confirm or eliminate RECs identified during the Phase I ESA; (2) acquire information regarding the nature of contamination (if present) and risks posed by that contamination that would support informed business decisions about the Site; and (3) where applicable, satisfy the innocent purchaser defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

1.2 SPECIAL TERMS AND CONDITIONS

No special terms or conditions were identified during this Phase II ESA.

2.0 BACKGROUND AND SITE HISTORY

This section specifies the location of the Site and its features, conveys the physical setting, recounts the history of the Site, discusses land uses at the Site and adjacent properties, and relates results of previous investigations.

2.1 SITE DESCRIPTION AND FEATURES

The Site occupies one parcel (Brown County Parcel 0071441700000007000) at the northwest corner of Goldfinch Road and 130th Street in Horton, Brown County, Kansas. The Site is depicted on the Horton, Kansas, U.S. Geological Survey (USGS) 7.5-minute topographic series map (USGS 1961) ([Appendix A, Figure 1](#)). Coordinates at the approximate center of the Site are 39.697203 degrees north latitude and 95.639531 degrees west longitude. The on-site structures include the 2,500-square-foot (SF) Main Building, 1,925-SF Southwest Corner Shed, and 630-SF North Shed. [Figure 2](#) in [Appendix A](#) illustrates the Site boundaries and building locations.

2.2 PHYSICAL SETTING

The Site encompasses approximately 1 acre of land and includes a mechanic shop building and two sheds. Three concrete foundations remain north and adjacent to the Main Building at the former locations of grain silos.

2.2.1 Geologic Setting

Brown County lies within the Glaciated Region physiographic province. Thick deposits of loess, more than 100 feet thick in places, occur along the bluffs of the Missouri River. The loess in this region is typically a yellowish-buff, porous silt that crops out with steep faces along hillsides and valley walls. Small white shells of snails also may be found in the loess. In northeastern Kansas, a very rich soil has developed on the loess, especially in Brown and Doniphan Counties and along the bluffs of the Missouri River as far south as Kansas City. The boulders and pebbles from local and distant rocks that were carried by glaciers are of many different types, including limestone, sandstone, quartzite, granite, and basalt (Kansas Geological Survey 2023).

Soil at the Site was classified according to the U.S. Department of Agriculture (USDA) Soil Conservation Services Web Soil Survey reviewed in January 2023. The soil, with 5 to 9 percent slopes, falls under the farmland classification and is part of the Padonia-Martin silty clay loams. The Padonia silty clay loam is well drained and consists of residuum from weathered shale with silty clay loam (to 11 inches deep), silty clay (from 11 to 32 inches deep), silty clay loam (from 32 to 37 inches deep) and weathered bedrock (from

37 to 40 inches deep). The Martin silty clay loam is moderately well drained and consists of silty clay loam (to 12 inches deep) and silty clay (from 12 to 80 inches deep) (USDA 2023).

2.2.2 Hydrogeology

The Site lies within the Western Interior Plains aquifer system. The aquifer system consists of water-yielding dolomite, limestone, and sandstone that are stratigraphically equivalent to aquifers of the Ozark Plateaus aquifer system. However, in contrast to the Ozark Plateaus system, the Western Interior Plains aquifer system contains no fresh water. The Western Interior Plains aquifer system consists of lower aquifer units in rocks of Ordovician and Cambrian age, a shale confining unit of Mississippian and Devonian age, and an upper aquifer unit of Mississippian limestone. Little water is withdrawn from the Western Interior Plains aquifer system because the aquifer system is deeply buried and contains highly mineralized water. Locally, deeply buried parts of the aquifer system contain oil and gas, and some brine (a byproduct of hydrocarbon production) is injected into disposal wells, which are completed in permeable parts of the system (USGS 1997).

Currently, groundwater is not used for drinking water at the Site. The Kickapoo Tribe derives its drinking water from the Delaware River, which is treated at the Kickapoo Water Plant (Kickapoo Tribe 2023).

The hydrologic gradient at the Site is not known but may be inferred to be consistent with the topographic gradient, primarily to the west-southwest. Groundwater depth and direction likely vary with seasonal changes, precipitation, and other unknown hydrogeologic features.

2.2.3 Hydrology

Most of the Site is flat. Surface water likely flows west-southwest and follows local topography. Stormwater runoff from the northern part of the Site likely flows toward a pond north of the Site.

2.2.4 Meteorology

Annual average rainfall in Horton, Kansas, is 28 inches. Average summer temperature highs are approximately 89 degrees Fahrenheit (°F). Average winter lows are approximately 15°F (National Weather Service 2023).

2.3 SITE HISTORY AND LAND USE

Currently, the on-site structures are the Main Building, Southwest Corner Shed, and North Shed. The Site now is used as a hobby mechanic shop building. According to the Phase I ESA report from GSI in 2021, the property owner representative Craig Wahwahsuck, the Kickapoo Tribe Brownfields/Tribal Emergency

Response Coordinator, noted that the Site historically had been used for agricultural purposes, a junk yard, and an auto repair shop (GSI 2021).

2.4 ADJACENT PROPERTY USE

The Site is within a primarily agricultural area west of the City of Horton. It is bounded north by agricultural land, east by Goldfinch Road and agricultural land, south by 130th Street and agricultural land, and west by agricultural land.

2.5 SUMMARY OF PREVIOUS ASSESSMENTS

In November 2021, GSI conducted a Phase I ESA (GSI 2021), identifying the following REC and historical RECs (HRECs) for the Site:

- *REC - The operation of an auto body repair shop on site, including the storage of gas, oil, antifreeze and the large amount of stained concrete. Multiple stained concrete surfaces were noted both inside and outside the repair shop.*
- *Possible HREC - The review identified two HRECs that consists of former grain storage, from before 1950 to at least 1991. The use of grain fumigants, and the potential for a release of [sic.] are considered a possible HREC. The Site was also once listed as an open dump with solid waste disposal. It should be noted that the status is inactive and has been classified as "cleaned up." GSI noted multiple debris piles on site with unmaintained trash and debris, therefore, this is considered a HREC.*

These three observations from the GSI Phase I ESA are all considered RECs by the Toeroek Team for the purposes of planning this Phase II ESA.

- The operation of the auto body repair shop is considered a REC by the Toeroek Team.
- The 2021 GSI Phase I ESA did not present any evidence that the potential presence of grain fumigants has been investigated or that the relevant regulatory agencies (EPA or Kansas Department of Health and Environment [KDHE]) have determined that potential contamination “has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls” (ASTM 2021). This is considered a REC, not an HREC due to the lack of a determination.
- The use of the Site as a dump, with a subsequent determination that it had been “cleaned up” is considered an HREC by the ASTM standard (ASTM 2021). However, the continued practice of illegal dumping at the Site observed during the 2021 GSI Phase I ESA is a REC, not an HREC.

No other assessments are known to have occurred at the Site.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

The following subsections describe the scope, field activities, and methods implemented during this Phase II ESA. On January 4 and 5, 2023, Toeroek Team members Macy La Masney and Reed Niemack conducted subsurface soil sampling and soil-gas sampling with direct-push technology (DPT) subcontractor Plains Environmental Services, Inc. of Salina, Kansas (Plains). Photographs taken to document Phase II ESA field activities are in [Appendix B](#). Field activities were documented in a site logbook; a copy is in [Appendix C](#).

3.1 SCOPE OF THE ASSESSMENT

The Toeroek Team performed environmental sampling to determine if surface soils, subsurface soils, or soil gas are contaminated by current and/or historical activities at the Site. Sampling was consistent with the Quality Assurance Project Plan (QAPP) submitted to EPA on September 13, 2022, and approved on October 25, 2022 (Toeroek Team 2022).

During the Phase II ESA activities, the Toeroek Team did not address removal of debris or containers. Some of the materials visible in the photos associated with the 2021 Phase I ESA had been removed, notably two empty drums that had been adjacent to the grain silo bases. However, a smaller debris pile was still present on one of the silo bases, and gasoline cans and other automotive maintenance and repair chemicals were still present within the building. The Toeroek Team did not attempt to remove any debris during the Phase II ESA.

3.1.1 Sampling Plan

The proposed sampling scheme for this project incorporated a combination of biased/judgmental sampling with definitive laboratory analysis, in accordance with procedures included in the *Guidance for Performing Site Inspections Under CERCLA* (Office of Solid Waste and Emergency Response Directive #9345.1-05, September 1992). All samples were submitted for analysis to an off-site laboratory subcontracted by the Toeroek Team.

Objectives of sampling were to characterize possible previous releases to the environment. [Figure 3](#) in [Appendix A](#) depicts the sampling locations at the Site. Sample locations 6 and 7 were placed at locations southwest and west of the former grain silos to determine if any grain fumigant contamination was present. The remaining sample locations near buildings were selected to address potential issues related to staining within the building, that is, to identify potential contamination released to the subsurface from releases within the building to cracked concrete floors or drains.

Sampling at the Site included:

- Eight surface soil samples were collected, one at each of eight DPT soil boring (SB) locations (SB-1 through SB-8). One of these samples, from SB-6, was collected as a duplicate pair.
- Eight subsurface soil samples were collected, one at each of eight DPT boring locations (SB-1 through SB-8).
- At each of eight co-located DPT locations, one soil-gas (SG) sample was collected within a 6-inch interval at a depth between 5 and 6 feet below ground surface (bgs) (SG-1 through SG-8).

3.1.2 Chemical Testing Plan

Laboratory analyses for chemical parameters were selected based on possibly present contaminants associated with historical uses of the Site. Soil samples were submitted to Pace Analytical (Pace) in Lenexa, Kansas, to be analyzed for the following parameters: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), Kansas low-range hydrocarbons (LRH), Kansas mid-range hydrocarbons (MRH), Kansas high-range hydrocarbons (HRH), and target analyte list (TAL) metals. Soil-gas samples were analyzed for VOCs.

3.1.3 Deviations from the QAPP

The following deviation from the QAPP occurred during Phase II fieldwork activities:

- Groundwater samples were not collected because groundwater was not encountered above the depth of refusal (ranging from 9 to 21 feet bgs) in any DPT boring.

3.2 FIELD ACTIVITIES AND METHODS

Field activities at the Site occurred on January 4 and 5, 2023. The following sections summarize soil and soil-gas sample collections. Sampling locations are depicted on [Figure 3](#) in [Appendix A](#).

3.2.1 Soil Sampling

Eight surface soil samples, one of which was a duplicate pair, and eight subsurface soil samples were collected during Phase II fieldwork activities to assess possible presence of contamination resulting from historical activities at the Site.

Plains completed the soil borings. Samples were collected by use of a DPT rig. The Toeroek Team obtained soil cores using 5-foot-long, Macro-Core samplers with disposable polyvinyl chloride (PVC) liners. Soil borings were to be advanced to maximum depth of 35 feet bgs, to groundwater, or to refusal, whichever was encountered first. Surface soil samples were collected within 0 to 3 feet bgs. The Toeroek Team screened the cores using a hand-held photoionization detector (PID) for presence of elevated concentrations of

VOCs. Subsurface soil samples were to be collected at biased intervals based on detected staining or odor, or elevated PID readings. No staining or elevated PID readings were noted in any of the borings, so subsurface soil samples were collected from the bottom of the soil core, as outlined in the QAPP. Boring logs are in [Appendix C](#).

Soil sampling for analyses for VOCs accorded with EPA Method 5035, which specifies collection of approximately 5 grams of soil into three 40-milliliter (mL) vials directly from the undisturbed core by use of a disposable volatile organic analysis (VOA) plunger. Two vials were preserved with sodium bisulfate, and one vial was preserved with methanol. One 2-ounce unpreserved bottle was used for determination of moisture content. Remaining soil from each sample interval was homogenized and placed into unpreserved 8-ounce jars for SVOCs and TAL metals analyses.

Soil sampling for analyses for LRH specified collection of approximately 5 grams of soil into two 40-mL vials, each preserved with methanol. Soil sampling for MRH/HRH and SVOCs specified filling of two 4-ounce unpreserved jars with homogenized soil. The remaining soil was homogenized, and one 4-ounce unpreserved jar was filled for TAL metals analysis.

After completion of sampling at each location, each piece of sampling equipment that had encountered the soil sample, except for the PVC liners, was decontaminated by application of a non-phosphate detergent and tap water wash, followed by a tap water rinse. The liners were discarded with other investigation-derived waste (IDW), such as disposable gloves.

Samples were analyzed for VOCs (via SW-846 Method 8260), SVOCs (via SW-846 Method 8270), KS LRH (via SW-846 Method 8015B), KS MRH and HRH (via KS MRH/HRH), and TAL metals (via SW-846 Method 6010/6020/7471). [Table 1](#) summarizes soil samples collected during this Phase II ESA.

TABLE 1
SOIL SAMPLE SUMMARY
GOLDFINCH MECHANIC SITE
HORTON, KANSAS

Boring Identification	Sample Identification	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SB-1	SB-1 (0-3)	0-3	39.6978782	-95.6394279	VOCs, SVOCs, KS-LRH, KS-MRH, KS-HRH, and TAL metals
	SB-1 (12-14)	12-14			
SB-2	SB-2 (0-3)	0-3	39.6977621	-95.6400391	
	SB-2 (9-11)	9-11			
SB-3	SB-3 (0-3)	0-3	39.6976254	-95.6403100	
	SB-3 (7-9)	7-9			

TABLE 1

**SOIL SAMPLE SUMMARY
GOLDFINCH MECHANIC SITE
HORTON, KANSAS**

Boring Identification	Sample Identification	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SB-4	SB-4 (0-3)	0-3	39.6971035	-95.6399828	VOCs, SVOCs, KS-LRH, KS-MRH, KS-HRH, and TAL metals
	SB-4 (19-21)	19-21			
SB-5	SB-5 (0-3)	0-3	39.6977711	-95.6395822	
	SB-5 (13.5-15.5)	13.5-15.5			
SB-6	SB-6 (0-3)	0-3	39.6975403	-95.6394816	
	SB-6 (0-3) DUP				
	SB-6 (12.5-14.5)	12.5-14.5			
SB-7	SB-7 (0-3)	0-3	39.6974613	-95.6396509	
	SB-7 (10.5-12.5)	10.5-12.5			
SB-8	SB-8 (0-3)	0-3	39.6973447	-95.6393954	
	SB-8 (10-12)	10-12			

Notes:

DUP Field duplicate
ft bgs Feet below ground surface
HRH High-range hydrocarbons
KS Kansas
LRH Low-range hydrocarbons
MRH Middle-range hydrocarbons

N North
SB Soil boring
SVOC Semivolatile organic compound
TAL Target Analyte List
VOC Volatile organic compound
W West

3.2.2 Soil-gas Sampling

The Toeroek Team collected eight soil-gas samples during Phase II fieldwork activities to investigate potential vapor contamination resulting from historical activities at the Site. Soil-gas sample locations (SG-1 through SG-8) were co-located with the soil samples (SB-1 through SB-8).

At each sampling location, steel rods were advanced to approximately 5 to 6 feet bgs with the DPT rig, and then retracted approximately 6 inches to create a void space to allow collection of soil gas. The soil-gas samples were collected through the steel rods with disposable polyethylene tubing connected to the bottom of the rod string and an evacuated vacuum canister on the ground surface. Air in the tubing was evacuated with a vacuum pump prior to connection of the tubing to the canister. After connection of the canister to the tubing, a valve on the canister was opened to begin sample collection. The canister remained attached to the polyethylene tubing until the vacuum gauge indicated approximately -5 to -7 inches of mercury in the canister.

After completion of sampling at each location, each piece of sampling equipment that had encountered the soil-gas sample, except for the polyethylene tubing, was decontaminated by application of a non-phosphate detergent and tap water wash, followed by a tap water rinse. The tubing was discarded with other IDW. The

canisters were submitted to Pace for analysis for VOCs via EPA Method Toxic Organics (TO)-15. [Table 2](#) below summarizes soil-gas samples collected during this Phase II ESA.

TABLE 2
SOIL-GAS SAMPLE SUMMARY
GOLDFINCH MECHANIC SITE
HORTON, KANSAS

Boring Identification	Depth of Sample in ft bgs	Latitude (°N)	Longitude (°W)	Analyses Performed
SG-1	5-6	39.6978782	-95.6394279	VOCs
SG-2	5-6	39.6977621	-95.6400391	
SG-3	5-6	39.6976254	-95.6403100	
SG-4	5-6	39.6971035	-95.6399828	
SG-5	5-6	39.6977711	-95.6395822	
SG-6	5-6	39.6975403	-95.6394816	
SG-7	5-6	39.6974613	-95.6396509	
SG-8	5-6	39.6973447	-95.6393954	

Notes:

ft bgs Feet below ground surface
N North
SG Soil gas
VOC Volatile organic compound
W West

3.2.3 Quality Control Sampling

Field quality control (QC) sampling for this investigation included three trip blanks, one liquid field blank, and one soil field duplicate. Pace analyzed the trip blanks for VOCs; the field blank and duplicate were analyzed for the same suite as the field samples. Analytical data from the trip blanks were referenced to determine whether contamination had been introduced in the field and/or during transportation of containers and samples. The field blank was analyzed to assess contamination potentially introduced during sampling and/or laboratory procedures. The soil field duplicate was collected to determine total method precision. Analytical results from the field duplicate sample were used to calculate the relative percent difference (RPD) between each set of duplicate pair results for each reported analyte. The RPDs were used for informational purposes only; however, the higher concentration of each analyte in each duplicate sample pair was to be used at the discretion of the EPA Project Manager. Calculated RPDs are included in the applicable data validation reports in [Appendix D](#).

4.0 EVALUATION AND PRESENTATION OF RESULTS

The following sections present analytical data from soil and soil-gas samples collected during this Phase II ESA. Soil sample results from this ESA were compared to KDHE Tier 2 Residential and Non-residential Risk-Based Standards for Kansas (RSKs) and to EPA Regional Screening Levels (RSLs), assuming residential land use and a total hazard quotient (THQ) of 0.1 because of the unknown future use of the Site (KDHE 2021; EPA 2022b). Metals results from soil samples also were compared to Brown County average concentrations to determine if detected metals concentrations were consistent with naturally occurring concentrations (USGS 2022). A detected concentration of a metal is considered naturally occurring if at or below the county background concentration, which is defined as the average concentration plus one standard deviation.

VOC results from soil-gas samples were compared to EPA Vapor Intrusion Screening Levels (VISLs), assuming residential land use and a THQ of 0.1 (EPA 2022c). Copies of analytical data packages and data validation reports are in [Appendix D](#).

4.1 SOIL SAMPLES

Eight surface soil samples, including one duplicate pair, and eight subsurface soil samples were collected to assess possibly present contamination resulting from historical activities at the Site. Samples were submitted to Pace for analyses for VOCs, SVOCs, KS-LRH, KS-MRH/HRH, and TAL metals.

4.1.1 VOCs

[Table 3](#) below lists VOC detections in surface and subsurface soils. None of the detected VOC concentrations exceeded a regulatory benchmark. Acetone, a common laboratory contaminant, was detected in all eight surface samples and one subsurface sample (SB-4). Other VOCs associated with automotive repair were detected in surface and subsurface soil and are summarized as follows:

- Benzene was detected in two surface samples (SB-1 and SB-3) and in all subsurface samples except for SB-4.
- 2-Butanone (methyl ethyl ketone [MEK]) was detected in all surface samples except for SB-7.
- Ethylbenzene was detected in all subsurface samples except for SB-4.
- Naphthalene was detected in three subsurface samples (SB-1, -2, and -5).
- Toluene was detected in two surface samples (SB-1 and SB-5) and in all subsurface samples except for SB-4.
- 1,2,4-Trimethylbenzene was detected in one surface sample (SB-1) and in four subsurface samples (SB-1, -2, -5, and -6).
- Xylene was detected in all subsurface samples except for SB-4.

TABLE 3

**DETECTED VOC RESULTS FROM SOIL SAMPLES
GOLDFINCH MECHANIC SITE
HORTON, KANSAS**

Sample Identification (Depth of Sample in ft bgs)	Acetone	Benzene	2-Butanone (MEK)	Ethylbenzene	Naphthalene	Toluene	1,2,4- Trimethylbenzene	Xylene
	Regulatory Screening Levels*							
	EPA RSL Residential Soil							
	7,000,000	1,200	2,700,000	5,800	2,000	490,000	30,000	58,000
	KDHE Tier 2 RSK Residential							
	50,300,000	15,900	26,000,000	82,000	30,500	4,320,000	54,000	936,000
	KDHE Tier 2 RSK Non-Residential							
	406,000,000	28,200	101,000,000	145,000	64,700	29,800,000	126,000	1,410,000
Surface Soil								
SB-1 (0-3)	170	1.8 J	29.4	ND	ND	0.36 J	1.4 J	ND
SB-2 (0-3)	149	ND	15.7	ND	ND	ND	ND	ND
SB-3 (0-3)	186	0.81 J	26.6	ND	ND	ND	ND	ND
SB-4 (0-3)	77.2	ND	10.1 J	ND	ND	ND	ND	ND
SB-5 (0-3)	135	ND	13.0	ND	ND	0.53 J	ND	ND
SB-6 (0-3)	37.2	ND	4.0 J	ND	ND	ND	ND	ND
SB-6 (0-3) DUP	46.1	ND	5.4 J	ND	ND	ND	ND	ND
SB-7 (0-3)	39.1	ND	ND	ND	ND	ND	ND	ND
SB-8 (0-3)	58.5	ND	7.6 J	ND	ND	ND	ND	ND
Subsurface Soil								
SB-1 (12-14)	ND	3.9 J	ND	2.9 J	0.79 J	5.0	0.80 J	2.1 J
SB-2 (9-11)	ND	4.9 J	ND	3.9 J	1.0 J	6.2	1.1 J	2.8 J
SB-3 (7-9)	ND	2.9 J	ND	1.4 J	ND	2.9 J	ND	1.6 J
SB-4 (19-21)	23.3	ND	ND	ND	ND	ND	ND	ND
SB-5 (13.5-15.5)	ND	5.6	ND	2.8 J	1.3 J	5.6	1.1 J	2.6 J
SB-6 (12.5-14.5)	ND	4.4 J	ND	3.2 J	ND	5.0 J	0.75 J	1.9 J
SB-7 (10.5-12.5)	ND	2.9 J	ND	2.3 J	ND	3.8 J	ND	1.8 J
SB-8 (10-12)	ND	3.6 J	ND	1.4 J	ND	3.6 J	ND	2.0 J

TABLE 3

**DETECTED VOC RESULTS FROM SOIL SAMPLES
GOLDFINCH MECHANIC SITE
HORTON, KANSAS**

Notes:

All values are in micrograms per kilogram ($\mu\text{g}/\text{kg}$).

* RSK values are the same for surface and subsurface soils for the detected constituents.

DUP	Duplicate pair sample
EPA	U.S. Environmental Protection Agency
ft bgs	Feet below ground surface
J	Estimated Value
KDHE	Kansas Department of Health and Environment
MEK	Methyl ethyl ketone
ND	Not detected
RSK	Risk-based Standards (KDHE 2021)
RSL	Regional Screening Level (Target Hazard Quotient = 0.1; Target Risk = 1E-06) (EPA 2022b)
SB	Soil boring
VOC	Volatile organic compound

4.1.2 SVOCs

No SVOC was detected at a concentration exceeding a laboratory detection limit in any surface or subsurface soil sample.

4.1.3 LRH, MRH, HRH

[Table 4](#) below lists all TPH detections in surface and subsurface soils. No detected concentration of LRH or HRH exceeded a regulatory benchmark. Findings are summarized as follows:

- LRH was detected in one subsurface soil sample (SB-4).
- MRH was not detected in any soil sample.
- HRH was detected in two surface soil samples (SB-2 and SB-6 DUP) and one subsurface soil sample (SB-4).

TABLE 4
DETECTED LRH, MRH, AND HRH RESULTS FROM SOIL SAMPLES
GOLDFINCH MECHANIC SITE
HORTON, KANSAS

Sample Identification (Depth of Sample in ft bgs)	LRH (C5-C8)	MRH (C9-C18)	HRH (C19-C35)
	Regulatory Screening Levels*		
	EPA RSL Residential Soil		
	NE	NE	NE
	KDHE Tier 2 RSK Residential		
	550	250	6,000
	KDHE Tier 2 RSK Non-Residential		
	950	350	27,500
Surface Soil			
SB-2 (0-3)	ND	ND	6.4 J
SB-6 (0-3) DUP	ND	ND	13.2
Subsurface Soil			
SB-4 (19-21)	0.23 J	ND	15.7

Notes:

All values are in micrograms per kilogram (µg/kg).

* RSK values are the same for surface and subsurface soils for a LRH, MRH, and HRH.

DUP Duplicate pair sample
EPA U.S. Environmental Protection Agency
ft bgs Feet below ground surface
HRH High-range hydrocarbons
J Estimated value
KDHE Kansas Department of Health and Environment
LRH Low-range hydrocarbons
MRH Middle-range hydrocarbons
ND Not detected
NE Not established
RSK Risk-based Standards (KDHE 2021).
RSL Regional Screening Level (Target Hazard Quotient = 0.1; Target Risk = 1E-06) (EPA 2022b)
SB Soil boring

4.1.4 Metals

Metals were detected in all surface and subsurface soil samples. [Table 5](#) below lists metals detections in subsurface soil samples. Findings are summarized as follows:

- Detections of aluminum exceeded the corresponding EPA residential RSLs in all surface and subsurface samples. No concentration exceeded the KDHE Tier 2 Residential or Non-residential RSKs or the Brown County background concentration for aluminum.
- Detections of arsenic occurred at concentrations exceeding the EPA residential RSL of 0.68 mg/kg in all samples. The subsurface sample from SB-4 also exceeded the KDHE Tier 2 Residential RSK of 18.9 mg/kg. No detected arsenic concentration exceeded the KDHE Non-residential RSK. Of these detections, arsenic concentrations exceeded the Brown County background concentration in two surface soil samples (SB-3 and SB-8) and in one subsurface soil sample (SB-4).
- Detections of cobalt occurred at concentrations exceeding the EPA residential RSL of 2.3 mg/kg in all surface and subsurface samples. No concentration exceeded the KDHE Tier 2 Residential or Non-residential RSK. A background concentration of cobalt has not been established at this time.
- Detections of iron exceeded the EPA residential RSL of 5,500 mg/kg in all surface and subsurface samples. No KDHE RSK has been established for iron. Detections of iron in all but three samples exceeded the Brown County background concentration.
- Detections of manganese exceeded the EPA residential RSL in all surface and subsurface samples except for one subsurface sample (SB-4); however, all detections were below the KDHE Tier 2 Residential RSK of 9,300 mg/kg. Concentrations of manganese exceeded the Brown County background concentration in four surface samples (SB-1, -3, -7, and -8), and in two subsurface samples (SB-7 and SB-8).
- Detections of vanadium occurred at concentrations exceeding the EPA residential RSL of 39 mg/kg in four surface samples (SB-2, -5, -6 DUP, and -8). A background concentration of vanadium has not been established, and KDHE has not established regulatory benchmarks for vanadium in soil at this time.
- Detections of chromium were assumed to be trivalent chromium for the purposes of comparison to risk screening levels. No historical uses of the property were identified that would suggest the presence of hexavalent chromium.

No other metals were detected at concentrations above the most conservative screening levels.

TABLE 5

DETECTED METALS RESULTS FROM SOIL SAMPLES
GOLDFINCH MECHANIC SITE
HORTON, KANSAS

Sample Identification (Depth of Sample in ft bgs)	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium*	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Sodium	Vanadium	Zinc
	Regulatory Screening Levels**																			
	EPA RSL Residential Soil																			
	7,700	0.68	1,500	16	0.71	NE	12,000	2.3	310	5,500	400	NE	180	1.1	150	NE	39	NE	39	2,300
	KDHE Tier 2 RSK Residential																			
	NE	18.9	15,300	155	39	NE	117,000	23.4	3,130	NE	400	NE	9,300	2	1,540	NE	391	NE	NE	23,500
	KDHE Tier 2 RSK Non-Residential																			
	NE	63.2	277,000	3,650	965	NE	3,060,000	579	81,700	NE	1,000	NE	66,200	20	32,400	NE	10,200	NE	NE	613,000
	USGS Brown County Average, plus 1 Standard Deviation (USGS 2021)																			
	52,100	11.98	NE	NE	NE	24,160	NE	NE	16.78	22,590	25.92	6,130	1,212	0.037	NE	NE	0.5040	8,420	NE	65.70
Surface Soils																				
SB-1 (0-3)	15,200	1.2	190	0.77	ND	205,000	18.7	5.5	6.3	24,200	6.3	35,700	1,540	ND	14.4	7,150	1.8	1,360	17.0	25.0
SB-2 (0-3)	29,400	9.5	247	1.3	0.19 J	3,060	28.7	13.0	19.5	29,400	15.3	4,250	936	ND	31.0	5,120	4.4	103	40.5	45.7
SB-3 (0-3)	16,500	13.1	289	0.88	0.20 J	52,000	21.0	13.5	22.1	34,300	17.9	3,740	1,660	ND	26.4	3,500	4.4	139	30.3	34.4
SB-4 (0-3)	25,100	6.2	234	1.0	0.24 J	5,880	24.0	11.1	17.8	23,900	18.3	3,550	1,050	ND	25.2	4,730	4.2	70.9	33.4	65.0
SB-5 (0-3)	43,600	7.7	259	1.4	ND	2,930	36.7	10.5	18.4	32,600	14.3	5,890	681	ND	30.4	5,710	4.3	272	47.0	56.0
SB-6 (0-3)	28,400	6.9	240	1.3	ND	3,160	28.5	14.0	19.6	28,800	11.5	6,590	801	ND	37.6	3,300	4.3	967	27.7	48.0
SB-6 (0-3) DUP	33,400	7.3	304	1.3	ND	5,530	30.4	15.5	19.1	27,300	19.1	5,490	827	ND	30.8	3,110	4.5	353	40.4	50.5
SB-7 (0-3)	25,500	7.9	248	1.2	ND	2,650	27.2	18.8	18.5	27,800	15.1	6,500	1,510	ND	41.9	3,350	4.5	491	32.7	47.3
SB-8 (0-3)	22,800	13.5	495	1.5	0.65	5,500	32.5	19.3	42.7	93,000	21.8	6,250	3,690	ND	46.5	3,550	10.3	292	63.6	60.6
Subsurface Soils																				
SB-1 (12-14)	16,200	1.2	38.7	0.79	ND	148,000	21.2	11.2	7.8	20,600	4.6	15,600	1,200	ND	24.5	6,150	2.5	460	24.8	29.7
SB-2 (9-11)	18,100	1.4	67.5	0.96	ND	132,000	23.6	11.4	7.2	22,000	4.4	13,900	881	ND	26.6	6,580	3.1	449	30.8	32.7
SB-3 (7-9)	21,100	1.3	88.5	1.1	ND	62,500	28.1	10.2	9.7	24,500	4.7	14,000	869	ND	31.6	7,470	3.1	415	28.3	38.6
SB-4 (19-21)	21,500	33.4	119	0.83	ND	1,300	29.0	21.6	38.9	36,400	39.4	6,270	163	0.064	52.2	3,200	2.4	257	22.7	71.3
SB-5 (13.5-15.5)	19,100	1.9	73.8	0.98	ND	95,600	23.2	8.4	15.8	19,900	6.3	14,800	868	ND	24.2	6,850	3.0	450	24.3	34.4
SB-6 (12.5-14.5)	17,200	1.2	42.3	0.77	ND	17,100	22.3	6.4	7.5	23,300	4.5	14,500	1,010	ND	21.3	6,460	2.5	509	20.0	28.8
SB-7 (10.5-12.5)	18,700	1.6	87.7	1.0	0.19 J	173,000	25.4	12.8	9.7	26,200	8.0	15,600	1,360	ND	29.7	6,760	3.0	606	25.7	34.0
SB-8 (10-12)	14,700	1.0	94.2	0.78	0.16 J	160,000	18.8	8.6	8.1	22,800	5.5	28,900	1,690	ND	20.5	5,280	2.4	711	19.9	29.9

Notes:
All values are in milligrams per kilogram (mg/kg).
* Assuming trivalent chromium
** RSK values are the same for surface and subsurface soils for the detected constituents.

Italic font indicates concentration exceeds the KDHE Tier 2 RSK Residential.
Bold font indicates concentration exceeds the EPA residential RSL.
Green highlighting indicates concentration exceeds the Brown County background concentration (that is, the average concentration, plus 1 standard deviation).

DUP	Duplicate	NE	Not established
EPA	U.S. Environmental Protection Agency	RSK	KDHE Risk-Based Standards for Kansas
ft bgs	Feet below ground surface	RSL	Regional Screening Level (Target Hazard Quotient = 0.1; Target Risk = 1E-06) (EPA 2022b)
KDHE	Kansas Department of Health and Environment	SB	Soil boring
ND	Not detected	USGS	United States Geological Survey

4.2 SOIL-GAS SAMPLES

The Toeroek Team collected eight soil-gas samples during Phase II fieldwork activities. These samples were collected to assess possible presence of contamination in soil gas resulting from historical activities at the Site. Soil-gas samples were submitted to Pace for analysis for VOCs via EPA Method TO-15.

Analytical data were compared to EPA VISLs assuming a THQ of 0.1 (EPA 2022c).

[Table 6](#) below lists VOC detections in soil gas. VOCs were detected in all soil-gas samples. Detected benzene concentrations at SG-4 and SG-8 exceeded the residential VISL of 12.0 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) but were below the commercial VISL of 52.4 $\mu\text{g}/\text{m}^3$.

TABLE 6

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES
GOLDFINCH MECHANIC SITE
HORTON, KANSAS

Sample Identification	Acetone	Benzene	2-Butanone (MEK)	Carbon disulfide	Chloromethane	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethylbenzene	4-Ethyltoluene	Gasoline Range Organics	n-Heptane	n-Hexane	Cumene
	Residential Target Sub-Slab and Near-source Soil-Gas Concentration													
	NE	12.0	17,400	2,430	313	20,900	348	NE	37.4	NE	NE	1,390	2,430	1,390
	Commercial Target Sub-Slab and Near-source Soil-Gas Concentration													
	NE	52.4	73,000	10,200	1,310	87,600	1,460	NE	164	NE	NE	5,840	10,200	5,840
SG-1	44.9	6.77	10.9	100	0.960	0.919	1.75	4.77	2.55	1.10	496 J	1.64	2.25	ND
SG-2	24.0	3.02	4.72	0.934	0.663	0.789	1.99	10.0	1.27	0.618 J	558 J	1.35	2.89	ND
SG-3	50.4	7.44	5.31	0.598 J	ND	3.30	1.76	2.70	4.33	ND	508 J	3.36	7.65	ND
SG-4	53.9	20.8	8.43	1.71	0.616	5.20	1.83	6.37	3.20	ND	541 J	6.30	13.2	ND
SG-5	19.9	3.32	4.69	ND	0.223 J	0.950	2.09	1.98 J	0.529 J	ND	346 J	0.822	1.78 J	ND
SG-6	19.6	0.773	4.13	ND	ND	ND	1.72	3.26	1.65	1.10	653 J	0.654 J	ND	ND
SG-7	37.1	1.80	9.85	0.710	2.42	0.448 J	1.67	3.58	1.97	0.682 J	694 J	0.650 J	0.984 J	ND
SG-8	ND	12.2	2.49 J	1.05	ND	4.20	2.00	18.8	12.7	0.569 J	657 J	6.63	11.4	0.762 J

Sample Identification	4-Methyl-2-pentanone (MIBK)	Naphthalene	2-Propanol	Propylene	Styrene	Tetrahydrofuran	Toluene	Trichlorofluoro methane	Tetrachloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	m&p-Xylene	o-Xylene
	Residential Target Sub-Slab and Near-source Soil-Gas Concentration													
	10,400	2.75	695	10,400	3,480	6,950	17,400	NE	139	209	209	NE	348	348
	Commercial Target Sub-Slab and Near-source Soil-Gas Concentration													
	43,800	12.0	2,920	43,800	14,600	29,200	73,000	NE	584	876	876	NE	1,460	1,460
SG-1	2.06 J	ND	2.09 J	31.5	0.719 J	ND	6.25	0.725 J	ND	4.55	1.08	ND	6.50	2.90
SG-2	ND	ND	3.81	20.3	0.829 J	3.39	16.8	0.618 J	ND	4.41	0.736 J	ND	2.13	1.07
SG-3	ND	ND	17.6	27.0	ND	ND	8.14	0.742 J	ND	1.88	0.452 J	ND	2.14	0.980
SG-4	ND	2.26 J	13.2	91.6	1.95	ND	12.0	0.826 J	ND	0.751 J	ND	ND	2.55	1.22
SG-5	ND	ND	7.67	12.6	ND	ND	1.53 J	1.01 J	ND	0.643 J	ND	ND	0.997 J	0.442 J
SG-6	ND	ND	61.2	ND	ND	ND	3.51	0.804 J	ND	4.79	1.17	0.649 J	6.68	2.45
SG-7	ND	ND	38.3	8.78	0.365 J	ND	3.64	0.652 J	0.654 J	2.97	0.717 J	ND	7.33	5.72
SG-8	ND	ND	18.0	ND	ND	ND	23.4	0.764 J	ND	2.28	0.775 J	ND	6.33	3.73

Notes:

All values are in micrograms per cubic meter (µg/m³).

All samples collected approximately 5 to 6 feet below ground surface.

Bold font indicates concentration exceeds the EPA residential VISL (THQ = 0.1).

- EPA
- U.S. Environmental Protection Agency
- ND
- Not detected
- NE
- Not established
- SG
- Soil Gas
- THQ
- Target hazard quotient
- VISL
- Vapor Intrusion Screening Level (EPA 2022c)

4.3 QUALITY CONTROL SAMPLES

Two solid matrix trip blanks were included in this Phase II ESA to determine whether contamination had been introduced during transportation of containers and samples. No analytes were present in the trip blanks at concentrations above a laboratory detection limit.

One field duplicate was collected at SB-6 to determine total method precision. Analytical results from the field duplicate sample were used to calculate the RPD between each set of duplicate pair results for each reported analyte. The RPDs were used for informational purposes only; however, the higher concentration of each analyte in each duplicate sample pair was to be used at the discretion of the EPA Project Manager. Calculated RPDs are included in the applicable data validation reports in [Appendix D](#). Analytical accuracy was determined by analyses of laboratory prepared spikes and duplicates.

5.0 DISCUSSION OF SIGNIFICANT FINDINGS AND CONCLUSIONS

This section summarizes significant findings and offers conclusions regarding Phase II ESA field activities.

5.1 SOIL

The following metals were detected in soil at concentrations exceeding the EPA RSL or the KDHE Tier 2 RSKs for residential soils and Brown County background concentrations (if established). No metals exceeded its respective non-residential RSK.

- Detections of arsenic occurred at concentrations exceeding the EPA residential RSL in all samples and the residential RSK in one sample. Of these detections, arsenic concentrations exceeded the Brown County background concentration in two surface soil samples (SB-3 and SB-8) and in one subsurface soil sample (SB-4).
- Detections of cobalt occurred at concentrations exceeding the EPA residential RSL in all samples. A background concentration of cobalt has not been established at this time.
- Detections of iron exceeded the EPA residential RSL in all samples. Detections of iron in all but three samples exceeded the Brown County background concentration.
- Detections of manganese exceeded the EPA residential RSL in all but one soil sample. Concentrations of manganese exceeded the Brown County background concentration in four surface samples (SB-1, -3, -7, and -8), and in two subsurface samples (SB-7 and SB-8).
- Detections of vanadium occurred at concentrations exceeding the EPA residential RSL in four surface samples (SB-2, -5, -6 DUP, and -8). A mean background concentration of vanadium has not been established, and KDHE has not established regulatory benchmarks for vanadium in soil at this time.

No VOCs, SVOCs, or hydrocarbons were detected above any screening level. However, hydrocarbons and VOCs consistent with petroleum hydrocarbons were detected in surface and subsurface soil.

5.2 SOIL GAS

VOCs were detected in all soil-gas samples. The following analyte was detected in soil gas at concentrations exceeding a VISL:

- Detected benzene concentrations at SG-4 and SG-8 exceeded the residential VISL.

5.3 EVALUATION OF PREVIOUSLY IDENTIFIED RECS

This section confirms RECs identified in the November 2021 Phase I ESA report (GSI 2021). Based on results of soil and soil-gas sampling, the Site appears to have been impacted by operations and infrastructure associated with the historical use of the Site as an auto repair shop.

5.4 CONCEPTUAL SITE MODEL

The following sections describe elements of the conceptual site model.

5.4.1 Chemical Release Scenario and Spatial Distribution

Sampling results during this Phase II ESA indicated presence of VOCs, LRH and HRH, and metals in soil at the Site and VOCs in soil gas. Sampling results from soil were compared to EPA RSLs (soil) under residential scenarios, and KDHE Tier 2 Residential and Non-residential RSKs. VOC results from soil-gas samples were compared to EPA residential and commercial VISLs using a THQ of 0.1 (EPA 2022c).

Given the similarities of metals concentrations in both surface and subsurface samples across the Site, the detected metals concentrations are likely naturally occurring, with slight variation from mean Brown County background concentrations. Only one metal in one sample—arsenic in the subsurface sample from SB-4—exceeded a KDHE residential RSK. The presence of metals is not discussed further in this Phase II ESA report.

However, results from soil and soil gas suggest a previous release related to historical Site activities. Sampling results from soil gas indicated that benzene concentrations exceeded the EPA residential VISL but not the commercial VISL. No other VOC exceedances were reported from soil-gas samples. Although not detected at concentrations above RSLs or RSKs, hydrocarbons and VOCs consistent with petroleum hydrocarbons were detected in surface and subsurface soil, including benzene, toluene, ethylbenzene, xylene, naphthalene, and 1,2,4-trimethylbenzene. These detections in soil and soil gas are likely associated with historical operations at the Site.

5.4.2 Current and Future Land Use and Groundwater Use

The Site encompasses approximately 1 acre of land and includes a mechanic shop building (Main Building), a utility shed (Southwest Corner Shed), and one other shed (North Shed). Three grain silo bases are present north and adjacent of the mechanic shop building. [Figure 2](#) in [Appendix A](#) illustrates the Site boundaries and building locations.

Currently, groundwater is not used for drinking water at the Site. The Kickapoo Tribe derives its drinking water from the Delaware River, which is treated at the Kickapoo Water Plant (Kickapoo Tribe 2023).

The current property owner, the Kickapoo Tribe, has shown interest in developing the Site contingent on findings from this Phase II ESA.

5.4.3 Land and Groundwater Use Restrictions

No known land or groundwater use restrictions currently exist at the Site.

5.4.4 Physical Conditions

A discussion of physical conditions is in [Section 2.2](#) of this Phase II ESA report.

5.4.5 Remedial Activities at the Site

No known remedial activities have occurred at the Site.

5.4.6 Exposure Model

Groundwater Migration Pathway and Targets

The Site is within a primarily agricultural area northwest of the City of Horton. Groundwater depth and direction likely vary with seasonal changes, precipitation, and other unknown hydrogeologic features. Groundwater was not encountered above the depth of refusal (ranging from 9 to 21 feet bgs) in any of the DPT borings. The Kickapoo Tribe derives its drinking water from the Delaware River, which is treated at the Kickapoo Water Plant (Kickapoo Tribe 2023). Groundwater is not used for drinking water at the Site. Because drinking water in the area is not derived from groundwater and groundwater is below the expected depth of most excavations, the likelihood of ingestion or dermal exposure to contaminants is low. Groundwater may be a source of contamination in soil gas, as described below.

Surface Water Migration Pathway and Targets

The hydrologic gradient at the Site is not known but may be inferred to be consistent with the topographic gradient, primarily to the west-southwest of the Site. Threatened or endangered species known or likely to occur in Brown County, Kansas, include the Northern long-eared bat (*Myotis septentrionalis*). The tricolored bat (*Myotis lucifugus*) is proposed endangered, the Monarch butterfly (*Danaus plexippus*) is a candidate species, and the little brown bat (*Myotis lucifugus*) and Regal fritillary (*Speyeria idalia*) currently are under review. No critical habitats are listed on the Site (U.S. Fish and Wildlife Service [USFWS] 2023). Presence of these species at the Site has not been verified, and the Site has not undergone a habitat assessment.

Although the property north of the Site has a pond, the Site itself does not include any surface water features. Stormwater likely flows along the topographic gradient or penetrates the ground; however, stormwater runoff from the northern portion of the Site likely flows toward the pond north of the Site.

Soil Exposure and Air Migration Pathways and Targets

Soil at the Site consists of Padonia-Martin silty clay loams. The Site includes a 2,500-SF mechanic shop building, a 1,925-SF utility shed, and a 630-SF shed. Given the coverage of soils with tall grasses, the likelihood of direct exposure to soil or air contamination from mobilized soil or dust is low.

Subsurface Vapor Intrusion Migration Pathway and Targets

The Site currently hosts three structures, a 2,500-SF mechanic shop building, a 1,925-SF utility shed, and a 630-SF shed. The current property owner, the Kickapoo Tribe, has shown interest in developing the Site contingent on findings from this Phase II ESA.

Soil-gas samples were collected at eight locations; results are discussed in [Section 5.2](#). VOCs were detected in all soil-gas samples. Concentrations of benzene exceeded residential VISLs in two samples but did not exceed the commercial VISL. If the future land use of the Site is to be residential, vapor intrusion may be an issue.

5.5 AFFECTED MEDIA

Sampling results during this Phase II ESA indicated presence of VOCs, LRH and HRH, and metals in soil, and VOCs in soil gas at the Site.

Sampling results from soil were compared to EPA RSLs (soil) under residential scenarios using a THQ of 0.1 and KDHE Tier 2 Residential and Non-residential RSKs (EPA 2022b, KDHE 2021). VOC results from soil-gas samples were compared to EPA residential and commercial VISLs using a THQ of 0.1 (EPA 2022c).

Although not detected at concentrations above RSLs or RSKs, hydrocarbons and VOCs consistent with petroleum hydrocarbons were detected in surface and subsurface soil, including benzene, toluene, ethylbenzene, xylene, naphthalene, and 1,2,4-trimethylbenzene.

Of the analytes detected in soil-gas, benzene was present at a concentration that exceeded a VISL. The concentration of benzene exceeded the residential VISL but not the commercial VISL. Elevated concentrations of benzene in soil gas are likely associated with historical operations at the Site. As such, residential properties constructed on the Site could be impacted by vapor intrusion.

Elevated concentrations of VOCs in soil gas at the Site could pose an unacceptable risk to receptors at the Site. Human exposure risks could be mitigated by vapor intrusion barriers or removal, or treatment of soil or groundwater contaminated with VOCs. Soil contaminated with VOCs was found at the Site; however,

no detected VOC concentration in soil exceeded a regulatory benchmark. The Toeroek Team recommends development of a risk management plan specifying ways to prevent transport of these contaminants through the environment, following final determination of future use of the Site.

The current property owner, the Kickapoo Tribe, has shown interest in developing the Site contingent on findings from this Phase II ESA. Based on analytical results from soil and soil-gas samples, further investigation and/or remediation appears warranted. If the soil is to be disturbed during redevelopment, a soil management plan may be necessary to protect construction or utility workers. Isolated areas where concentrations of contaminants in soil exceed residential RSKs may require additional excavation or capping. If the Site is to be developed for residential use, mitigation of vapor intrusion may be necessary. An Analysis of Brownfields Cleanup Alternatives (ABCA), to be submitted under separate cover and as directed by EPA, will present alternatives for remediating affected media at the Site.

6.0 REFERENCES

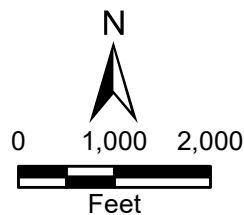
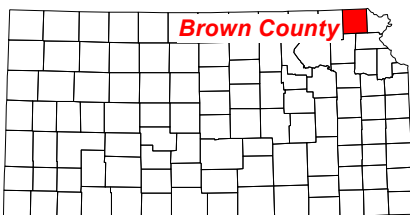
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APPENDIX A

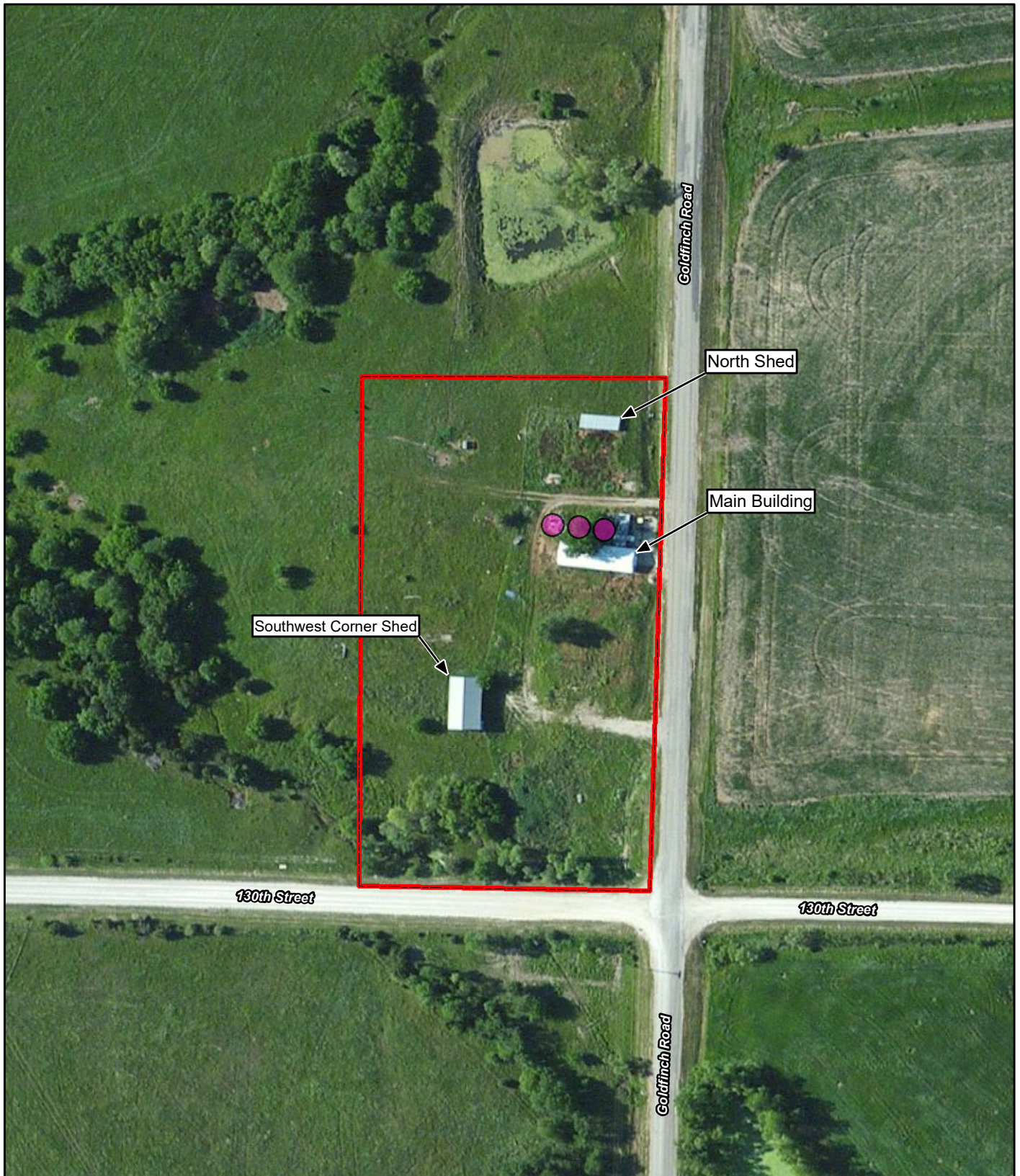
FIGURES



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

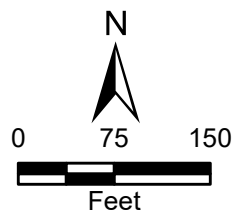
Figure 1
Site Location Map





Legend

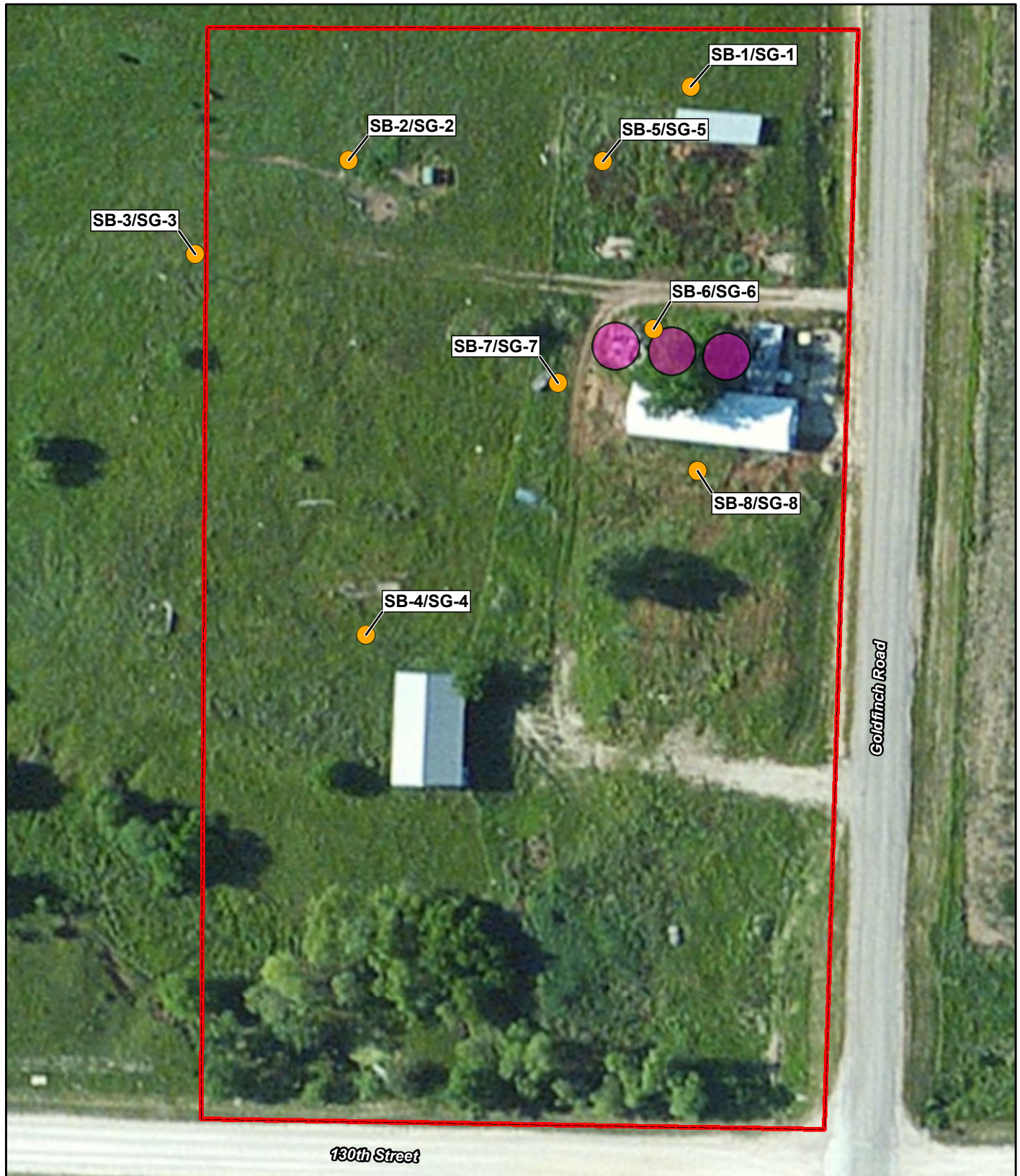
- Approximate subject site boundary
- Grain silo base



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

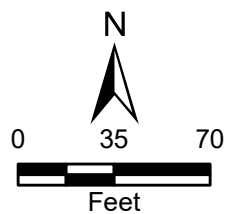
Figure 2 Site Layout Map





Legend

- Surface soil/subsurface soil/
soil-gas sample location
- Approximate subject site boundary
- Grain silo base



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

Figure 3
Sample Location Map



APPENDIX B
PHOTOGRAPHIC DOCUMENTATION LOG

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the shop building at the Site.	1
	CLIENT	U.S. Environmental Protection Agency (EPA)	Date: 1/4/23
Direction: Southwest	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the direct-push technology (DPT) rig at soil boring (SB)-1.	2
	CLIENT	EPA	Date: 1/4/23
Direction: Northeast	PHOTOGRAPHER	Macy La Masney	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**





SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT setup at SG-1.	3
	CLIENT	EPA	Date: 1/4/23
Direction: Northeast	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT rig at SB-2.	4
	CLIENT	EPA	Date: 1/4/23
Direction: West	PHOTOGRAPHER	Macy La Masney	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**

			
SUBTASK NO. 012.03	DESCRIPTION	This photograph shows a soil core from SB-2 containing brick material from around 3 feet (ft) below ground surface (bgs).	5
	CLIENT	EPA	Date: 1/4/23
Direction: Not Applicable (N/A)	PHOTOGRAPHER	Macy La Masney	
			
SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT setup at SG-2.	6
	CLIENT	EPA	Date: 1/4/23
Direction: West	PHOTOGRAPHER	Macy La Masney	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT rig at SB-3.	7
	CLIENT	EPA	Date: 1/4/23
Direction: West	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT rig at SB-4.	8
	CLIENT	EPA	Date: 1/5/23
Direction: South	PHOTOGRAPHER	Macy La Masney	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the soil cores from SG-4.	9
	CLIENT	EPA	Date: 1/5/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT setup at SG-4.	10
	CLIENT	EPA	Date: 1/5/23
Direction: Northwest	PHOTOGRAPHER	Macy La Masney	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT at SB-5.	11
	CLIENT	EPA	Date: 1/5/23
Direction: Northeast	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT setup at SG-5.	12
	CLIENT	EPA	Date: 1/5/23
Direction: Northeast	PHOTOGRAPHER	Reed Niemack	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT rig at SB-6.	13
	CLIENT	EPA	
Direction: Southeast	PHOTOGRAPHER	Macy La Masney	Date: 1/5/23



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT setup at SG-6.	14
	CLIENT	EPA	
Direction: Southeast	PHOTOGRAPHER	Macy La Masney	Date: 1/5/23

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT rig at SB-7.	15
	CLIENT	EPA	Date: 1/5/23
Direction: East	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT rig at SB-8.	16
	CLIENT	EPA	Date: 1/5/23
Direction: East	PHOTOGRAPHER	Macy La Masney	

**Phase II Environmental Site Assessment
Photographic Documentation Log
Goldfinch Mechanic Site – Horton, Kansas**



SUBTASK NO. 012.03	DESCRIPTION	This photograph shows the DPT setup at SG-8.	17
	CLIENT	EPA	Date: 1/5/23
Direction: Southeast	PHOTOGRAPHER	Reed Niemack	

APPENDIX C

LOGBOOK AND SOIL BORING LOGS

2 1/4/23 Goldfinch Mechanic

0830 TT member M. LaMasney leaving
KC office for the site.

1020 Arrive onsite and begin ACM
survey after calling Craig
Wahwahsuck.

1230 Plains members arrive onsite.

1300 Begin SB-1 coordinates:
39.6978782, -95.6394279

1330 collect sample SB-1(0-3).
no VOCs detected, no obvious
odors or staining present.

1350 collect sample SB-1(12-14).

1400 Collect sample SG-1 can: 1726
SB-1 encountered refusal @ 14 ft bgs.
no water encountered at SB-1
→ SG-1 start pre: -30 end pre: -5

1445 Begin SB-2. coordinates:
39.6977621, -95.6400391

1500 collect sample SB-2(0-3)
Refusal @ 11 ft. bgs. no water
encountered.

1514 collect sample SG-2 can: 1758
start pre: -30 end pre: -4

1520 collect sample SB-2(9-11)

1538 Begin SB-3. coordinates:
39.6976254, -95.6403100

1/4/23 Goldfinch Mechanic

1545 collect sample SB-3(0-3).
Refusal @ 9 ft bgs. no water
encountered.

1600 collect sample SB-3(7-9)

1610 collect sample SG-3 can: 1506
start pre: -30 end pre: -4

1630 Packing up equipment, no further
work today. End of day.

ML

1/4/23

4 1/5/23

Goldfinch Mechanic

- 0800 Toerpek team members
M. LaMasney and Reed Nemack
arrive on site with plains drillers.
- 0830 Begin SB-4. coordinates:
39.6971035, -95.6399828
- 0853 Collect sample SB-4(0-3)
Refusal at 21 ft bgs. no water encountered
- 0920 Collect sample SB-4(19-21)
- 0930 Collect sample SG-4 can: 4018
start pre: -20 end pre: -5
possible bad gauge on this can.
- 0950 Begin SB-5. coordinates:
~~1020 m~~ ~~10 m~~ 39.6977711, -95.6395822.
- 1020 Collect sample SB-5(0-3)
Refusal @ 15.5 ft bgs. no water encountered.
- 1040 Collect sample SG-5 can: 1354
- 1045 Collect sample SB-5(13.5-15.5)
start pre: -21 end pre: -6
- 1055 Begin SB-6. coordinates:
39.6975403, -95.6394816
- 1120 Collect sample SB-6(0-3)
Refusal @ 14.5 ft bgs. no water encountered.
- 1120 Collect sample SB-6(0-3) DVP.

1/5/23

Goldfinch Mechanic

5

- 1142 Collect sample SG-6 can: 3392
start pre: -27 end pre: -6
- 1150 Collect sample SB-6(12.5-14.5)
- 1215 SG-6 took 33 minutes to collect
the sample due to the hard
clay substrate.
- 1220 Begin SB-7. coordinates:
39.6974613, -95.6396509
- 1245 Collect SB-7(0-3)
Refusal @ 12.5 ft bgs. No water encountered.
- 1252 Collect sample SG-7 can: 3512
start pre: -29 end pre: -5
- 1257 Collect sample SB-7(10.5-12.5)
- 1320 Begin SB-8. coordinates:
- 1345 Collect sample SB-8(0-3).
Refusal @ 12 ft bgs. No water encountered.
- 1406 Collect sample SB-8(10-12)
- 1418 Collect sample SG-8 can: 3509
start pre: -25 end pre: -5
39.6973447, -95.6393954
- 1430 Collect sample FB-1 field blank
- 1445 Collect Rinse Blank RinDate
- 1545 loading up supplies and leaving
for the KC office.

Rite in the Rain.

6 1/5/23 Goldfinch mechanic

1730 arrive at KC office and unload supplies/field equipment and put samples in the fridge.

1800 NO further work today.
End of day. ————— ML

1/5/23

ML

1/6/23 Goldfinch Mechanic

0830 Chain of custody documents are completed and placed in sample coolers. Trip Blanks TB-1, TB-2, and TB-3

"collected" 1/5/23 were placed in their respective coolers.

Samples were placed into coolers with ice to be picked up by Pace carrier.

1200 Pace carrier service picked up iced sample coolers to be taken to Pace Labs in Lenexa, KS.
NO further work.

Summas are ready for FedEx pick up.

ML

1/6/23

Boring Log Form

Site Name: Goldfinch mechanic

Boring Number: SB-1

Date Drilled (Start/Finish): 1/4/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 14 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: Sunny, 36°F

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
0-5	0		Dark Brown Light Brown	1-2 ft moist
				2-5 ft hard and dry clay gravel present.
	0	5		
				5-7 Dark brown and beige swirls. hard clay.
	0			7-8 grey, dark brown, orange swirls some gravel present
		10		
	0			9-10 Red powdery, hard.
				10-14 grey and brown. hard, gravel present very tight clay.
	0	15		
				Refusal @ 14 ft bgs.
	0	20		
	0	25		
	0	30		

Boring Log Form

Site Name: Goldfinch Mechanic Boring Number: SB-2

Date Drilled (Start/Finish): 1/4/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 11 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
	○		Dark Brown	1-2 soft, moist silty.
		5	Brown	2-5 hard clay, bits of brick and gravel
	○		Dark Brown/ Gray	5-7 very hard clay, bits of gravel.
		10	Dark Brown	7-10 very hard clay
	○			10-11 slightly softer clay with sand.
				Refusal @ 11 ft bgs.
		15		
		20		
		25		
		30		

Boring Log Form

Site Name: Goldfinch mechanic

Boring Number: SB-3

Date Drilled (Start/Finish): 1/4/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 9 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
	0	5	Brown Brown/orange grey	1-2 hard, silty. gravel present. 3-4 hard, dry clay. lots of gravel 4-5 mostly gravel/rock
	0	10	Light Brown/ grey grey	5-8 hard, dry clay 8-9 gravel/bedrock Refusal @ 9 ft bgs
		15		
		20		
		25		
		30		

Boring Log Form

Site Name: Goldfinch Mechanic

Boring Number: SB-4

Date Drilled (Start/Finish): 1/5/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 21 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
			Dark Brown	soft, silty
	0		Brown	hard clay with gravel/rock
		5	Brown	hard clay with gravel/rock
	0		Red	layer of gravel around 7 ft bgs
		10	Grey	hard clay, sandy layer around 9 ft bgs.
	0		Red and Grey	hard clay
		15	Grey	hard dry clay
	0		Green	
			Red	hard dry clay
		20	Grey	small area of black material around 19-20 ft bgs.
				Refusal @ 21 ft bgs, core is filled with grey stuff.
		25		
		30		

Boring Log Form

Site Name: Goldfinch Mechanic

Boring Number: SB-S

Date Drilled (Start/Finish): 1/5/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 15.5 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
			Dark Brown	Moist silty soil
	○		Brown	
		5	Light Brown	hard clay with gravel/rock
			Light Brown	hard clay with gravel/rock
	○		Grey	hard dry clay
		10	Red/Orange	
			Light Brown	
	○		Grey	hard dry clay
		15	Light Brown	
			Grey	Refusal @ 15.5 ft bgs..
		20		
		25		
		30		

Boring Log Form

Site Name: Goldfinch Mechanic

Boring Number: SB-6

Date Drilled (Start/Finish): 1/5/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 14.5 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
	0		Dark brown	moist silty soil
			Brown	hard clay
		5	Red/brown	
	0		Grey	hard clay with gravel/rock
			Brown	
		10	Grey	
	0		Grey	dry hard clay
		15		
				Refusal @ 14.5 ft. logs
		20		
		25		
		30		

Boring Log Form

Site Name: Goldfinch Mechanic

Boring Number: SB-7

Date Drilled (Start/Finish): 1/9/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 12.5 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
			Dark Brown	moist silty soil
	0		Brown	moist hard clay with gravel/rock
		5		
	0		Grey	Dry hard clay
		10		
	0			
		15		Refusal @ 12.5 ft bgs.
		20		
		25		
		30		

Boring Log Form

Site Name: Goldfinch Mechanic

Boring Number: SB-8

Date Drilled (Start/Finish): 1/5/23

Drilling Method: DPT

Drilling Company: Plains Environmental

Elevation: _____

Total Depth: 12 ft

Coordinates: _____

Depth to Water: _____

Geologist: _____

Project Number: 103IP65210190.12.03

Weather: _____

Interval	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Description and Remarks
	0	0	Dark Brown	moist silty soil
		1	Brown	Sandy layer @ ~ 3ft bgs
		5		hard clay with gravel/rock and sand
	0	6	Brown/Grey	hard dry clay
		7	Grey	hard dry clay with gravel/rock
	0	10		
		11	Brown/Grey	hard dry clay
		12		Refusal @ 12 ft. bgs
		15		
		20		
		25		
		30		

APPENDIX D

ANALYTICAL DATA PACKAGES AND DATA VALIDATION REPORTS

January 17, 2023

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

RE: Project: GOLDFINCH MECHANIC SITE (GW)
Pace Project No.: 60419360

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60419360001	FB-1	Water	01/05/23 14:30	01/06/23 13:43
60419360003	TB-3	Water	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 (GW)

Pace Project No.: 60419360

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60419360001	FB-1	EPA 8015C	YGR	3	PASI-K
		KS LRH: EPA 5030B/8015C	JLO	3	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6010	MA1	4	PASI-K
		EPA 6020	JGP	18	PASI-K
		EPA 6020	MRV	18	PASI-K
		EPA 7470	JXD	1	PASI-K
		EPA 7470	JXD	1	PASI-K
		EPA 8270	NAW	73	PASI-K
		EPA 5030B/8260	CSC	69	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
60419360003	TB-3				

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: FB-1		Lab ID: 60419360001		Collected: 01/05/23 14:30		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 MOD KS TPH									
Analytical Method: EPA 8015C Preparation Method: EPA 3511									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	ND	mg/L	0.20	0.11	1	01/09/23 11:17	01/09/23 16:14		
MRH (C9-C18)	ND	mg/L	0.060	0.055	1	01/09/23 11:17	01/09/23 16:14		
Surrogates									
1-Chloro-octadecane (S)	89	%	40-140		1	01/09/23 11:17	01/09/23 16:14	3386-33-2	
LRH (C5 - C8) Water									
Analytical Method: KS LRH: EPA 5030B/8015C									
Pace Analytical Services - Kansas City									
LRH (C5-C8)	ND	mg/L	0.050	0.011	1		01/10/23 09:35		
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/10/23 09:35	460-00-4	
Preservation pH	1.0				1		01/10/23 09:35		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Calcium	109J	ug/L	200	33.7	1	01/09/23 08:40	01/13/23 12:46	7440-70-2	
Magnesium	ND	ug/L	50.0	27.1	1	01/09/23 08:40	01/13/23 12:46	7439-95-4	
Potassium	ND	ug/L	500	87.6	1	01/09/23 08:40	01/13/23 12:46	7440-09-7	
Sodium	156J	ug/L	500	73.2	1	01/09/23 08:40	01/13/23 12:46	7440-23-5	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Calcium, Dissolved	85.4J	ug/L	200	33.7	1	01/09/23 14:15	01/16/23 14:38	7440-70-2	
Magnesium, Dissolved	ND	ug/L	50.0	27.1	1	01/09/23 14:15	01/16/23 14:38	7439-95-4	
Potassium, Dissolved	ND	ug/L	500	87.6	1	01/09/23 14:15	01/16/23 14:38	7440-09-7	
Sodium, Dissolved	ND	ug/L	500	73.2	1	01/09/23 14:15	01/16/23 14:38	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Aluminum	9.5J	ug/L	50.0	8.3	1	01/09/23 08:40	01/10/23 13:39	7429-90-5	
Antimony	0.19J	ug/L	1.0	0.12	1	01/09/23 08:40	01/10/23 13:39	7440-36-0	
Arsenic	ND	ug/L	1.0	0.14	1	01/09/23 08:40	01/10/23 13:39	7440-38-2	
Barium	ND	ug/L	1.0	0.38	1	01/09/23 08:40	01/10/23 13:39	7440-39-3	
Beryllium	0.12J	ug/L	0.50	0.11	1	01/09/23 08:40	01/10/23 13:39	7440-41-7	
Cadmium	0.091J	ug/L	0.50	0.053	1	01/09/23 08:40	01/10/23 13:39	7440-43-9	
Chromium	0.40J	ug/L	1.0	0.31	1	01/09/23 08:40	01/10/23 13:39	7440-47-3	
Cobalt	ND	ug/L	1.0	0.11	1	01/09/23 08:40	01/10/23 13:39	7440-48-4	
Copper	1.3	ug/L	1.0	0.55	1	01/09/23 08:40	01/10/23 13:39	7440-50-8	
Iron	7.1J	ug/L	50.0	6.0	1	01/09/23 08:40	01/10/23 13:39	7439-89-6	
Lead	ND	ug/L	1.0	0.20	1	01/09/23 08:40	01/10/23 13:39	7439-92-1	
Manganese	0.17J	ug/L	1.0	0.16	1	01/09/23 08:40	01/10/23 13:39	7439-96-5	
Nickel	0.30J	ug/L	1.0	0.18	1	01/09/23 08:40	01/10/23 13:39	7440-02-0	
Selenium	ND	ug/L	1.0	0.18	1	01/09/23 08:40	01/10/23 13:39	7782-49-2	
Silver	ND	ug/L	0.50	0.12	1	01/09/23 08:40	01/10/23 13:39	7440-22-4	
Thallium	ND	ug/L	1.0	0.15	1	01/09/23 08:40	01/10/23 13:39	7440-28-0	
Vanadium	ND	ug/L	1.0	0.39	1	01/09/23 08:40	01/10/23 13:39	7440-62-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: FB-1		Lab ID: 60419360001		Collected: 01/05/23 14:30		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Zinc	ND	ug/L	10.0	1.7	1	01/09/23 08:40	01/10/23 13:39	7440-66-6	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City							
Aluminum, Dissolved	ND	ug/L	50.0	8.3	1	01/12/23 12:56	01/13/23 11:43	7429-90-5	
Antimony, Dissolved	ND	ug/L	1.0	0.12	1	01/12/23 12:56	01/13/23 11:43	7440-36-0	
Arsenic, Dissolved	ND	ug/L	1.0	0.14	1	01/12/23 12:56	01/13/23 11:43	7440-38-2	
Barium, Dissolved	ND	ug/L	1.0	0.38	1	01/12/23 12:56	01/13/23 11:43	7440-39-3	
Beryllium, Dissolved	ND	ug/L	0.50	0.11	1	01/12/23 12:56	01/13/23 11:43	7440-41-7	
Cadmium, Dissolved	ND	ug/L	0.50	0.053	1	01/12/23 12:56	01/13/23 11:43	7440-43-9	
Chromium, Dissolved	ND	ug/L	1.0	0.31	1	01/12/23 12:56	01/13/23 11:43	7440-47-3	
Cobalt, Dissolved	ND	ug/L	1.0	0.11	1	01/12/23 12:56	01/13/23 11:43	7440-48-4	
Copper, Dissolved	0.59J	ug/L	1.0	0.55	1	01/12/23 12:56	01/13/23 11:43	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	6.0	1	01/12/23 12:56	01/13/23 11:43	7439-89-6	
Lead, Dissolved	ND	ug/L	1.0	0.20	1	01/12/23 12:56	01/13/23 11:43	7439-92-1	
Manganese, Dissolved	ND	ug/L	1.0	0.16	1	01/12/23 12:56	01/13/23 11:43	7439-96-5	
Nickel, Dissolved	ND	ug/L	1.0	0.18	1	01/12/23 12:56	01/13/23 11:43	7440-02-0	
Selenium, Dissolved	ND	ug/L	1.0	0.18	1	01/12/23 12:56	01/13/23 11:43	7782-49-2	
Silver, Dissolved	ND	ug/L	0.50	0.12	1	01/12/23 12:56	01/13/23 11:43	7440-22-4	
Thallium, Dissolved	ND	ug/L	1.0	0.15	1	01/12/23 12:56	01/13/23 11:43	7440-28-0	
Vanadium, Dissolved	ND	ug/L	1.0	0.39	1	01/12/23 12:56	01/13/23 11:43	7440-62-2	
Zinc, Dissolved	ND	ug/L	10.0	1.7	1	01/12/23 12:56	01/13/23 11:43	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Kansas City							
Mercury	ND	ug/L	0.20	0.12	1	01/11/23 08:44	01/12/23 08:15	7439-97-6	
7470 Mercury, Dissolved		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Kansas City							
Mercury, Dissolved	ND	ug/L	0.20	0.064	1	01/09/23 13:45	01/10/23 09:34	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	9.1	2.7	1	01/08/23 11:28	01/08/23 23:27	83-32-9	
Acenaphthylene	ND	ug/L	9.1	2.4	1	01/08/23 11:28	01/08/23 23:27	208-96-8	
Anthracene	ND	ug/L	9.1	3.4	1	01/08/23 11:28	01/08/23 23:27	120-12-7	
Benzo(a)anthracene	ND	ug/L	9.1	3.0	1	01/08/23 11:28	01/08/23 23:27	56-55-3	
Benzo(a)pyrene	ND	ug/L	9.1	3.1	1	01/08/23 11:28	01/08/23 23:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	9.1	3.3	1	01/08/23 11:28	01/08/23 23:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	9.1	3.1	1	01/08/23 11:28	01/08/23 23:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	9.1	2.9	1	01/08/23 11:28	01/08/23 23:27	207-08-9	
Benzoic Acid	ND	ug/L	45.5	0.79	1	01/08/23 11:28	01/08/23 23:27	65-85-0	
Benzyl alcohol	ND	ug/L	18.2	2.3	1	01/08/23 11:28	01/08/23 23:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	9.1	2.9	1	01/08/23 11:28	01/08/23 23:27	101-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: FB-1		Lab ID: 60419360001		Collected: 01/05/23 14:30		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City									
Butylbenzylphthalate	ND	ug/L	9.1	3.8	1	01/08/23 11:28	01/08/23 23:27	85-68-7	L1
Carbazole	ND	ug/L	9.1	3.3	1	01/08/23 11:28	01/08/23 23:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	18.2	2.9	1	01/08/23 11:28	01/08/23 23:27	59-50-7	
4-Chloroaniline	ND	ug/L	18.2	5.0	1	01/08/23 11:28	01/08/23 23:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	9.1	3.0	1	01/08/23 11:28	01/08/23 23:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	9.1	2.8	1	01/08/23 11:28	01/08/23 23:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	9.1	2.7	1	01/08/23 11:28	01/08/23 23:27	108-60-1	
2-Chloronaphthalene	ND	ug/L	9.1	2.5	1	01/08/23 11:28	01/08/23 23:27	91-58-7	
2-Chlorophenol	ND	ug/L	9.1	2.5	1	01/08/23 11:28	01/08/23 23:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	9.1	2.3	1	01/08/23 11:28	01/08/23 23:27	7005-72-3	
Chrysene	ND	ug/L	9.1	3.1	1	01/08/23 11:28	01/08/23 23:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	9.1	3.0	1	01/08/23 11:28	01/08/23 23:27	53-70-3	
Dibenzofuran	ND	ug/L	9.1	2.6	1	01/08/23 11:28	01/08/23 23:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	9.1	2.1	1	01/08/23 11:28	01/08/23 23:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	9.1	2.3	1	01/08/23 11:28	01/08/23 23:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	9.1	2.3	1	01/08/23 11:28	01/08/23 23:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	18.2	2.6	1	01/08/23 11:28	01/08/23 23:27	91-94-1	
2,4-Dichlorophenol	ND	ug/L	9.1	2.5	1	01/08/23 11:28	01/08/23 23:27	120-83-2	
Diethylphthalate	ND	ug/L	9.1	5.6	1	01/08/23 11:28	01/08/23 23:27	84-66-2	
2,4-Dimethylphenol	ND	ug/L	9.1	2.9	1	01/08/23 11:28	01/08/23 23:27	105-67-9	
Dimethylphthalate	ND	ug/L	9.1	3.0	1	01/08/23 11:28	01/08/23 23:27	131-11-3	
Di-n-butylphthalate	ND	ug/L	9.1	3.8	1	01/08/23 11:28	01/08/23 23:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	45.5	3.2	1	01/08/23 11:28	01/08/23 23:27	534-52-1	
2,4-Dinitrophenol	ND	ug/L	45.5	3.3	1	01/08/23 11:28	01/08/23 23:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	9.1	3.6	1	01/08/23 11:28	01/08/23 23:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	9.1	3.2	1	01/08/23 11:28	01/08/23 23:27	606-20-2	
Di-n-octylphthalate	ND	ug/L	9.1	3.4	1	01/08/23 11:28	01/08/23 23:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	9.1	3.5	1	01/08/23 11:28	01/08/23 23:27	117-81-7	L1
Fluoranthene	ND	ug/L	9.1	3.3	1	01/08/23 11:28	01/08/23 23:27	206-44-0	
Fluorene	ND	ug/L	9.1	2.9	1	01/08/23 11:28	01/08/23 23:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	9.1	1.8	1	01/08/23 11:28	01/08/23 23:27	87-68-3	
Hexachlorobenzene	ND	ug/L	9.1	2.9	1	01/08/23 11:28	01/08/23 23:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	9.1	2.0	1	01/08/23 11:28	01/08/23 23:27	77-47-4	
Hexachloroethane	ND	ug/L	9.1	2.3	1	01/08/23 11:28	01/08/23 23:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.1	3.5	1	01/08/23 11:28	01/08/23 23:27	193-39-5	
Isophorone	ND	ug/L	9.1	3.0	1	01/08/23 11:28	01/08/23 23:27	78-59-1	
2-Methylnaphthalene	ND	ug/L	9.1	2.5	1	01/08/23 11:28	01/08/23 23:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	9.1	2.4	1	01/08/23 11:28	01/08/23 23:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.1	1.9	1	01/08/23 11:28	01/08/23 23:27	15831-10-4	
Naphthalene	ND	ug/L	9.1	2.3	1	01/08/23 11:28	01/08/23 23:27	91-20-3	
2-Nitroaniline	ND	ug/L	45.5	3.0	1	01/08/23 11:28	01/08/23 23:27	88-74-4	
3-Nitroaniline	ND	ug/L	45.5	4.4	1	01/08/23 11:28	01/08/23 23:27	99-09-2	
4-Nitroaniline	ND	ug/L	45.5	3.0	1	01/08/23 11:28	01/08/23 23:27	100-01-6	
Nitrobenzene	ND	ug/L	9.1	2.9	1	01/08/23 11:28	01/08/23 23:27	98-95-3	
2-Nitrophenol	ND	ug/L	9.1	2.7	1	01/08/23 11:28	01/08/23 23:27	88-75-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: FB-1		Lab ID: 60419360001		Collected: 01/05/23 14:30		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City									
4-Nitrophenol	ND	ug/L	45.5	2.1	1	01/08/23 11:28	01/08/23 23:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	9.1	3.0	1	01/08/23 11:28	01/08/23 23:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	9.1	2.7	1	01/08/23 11:28	01/08/23 23:27	86-30-6	
Pentachlorophenol	ND	ug/L	45.5	3.1	1	01/08/23 11:28	01/08/23 23:27	87-86-5	
Phenanthrene	ND	ug/L	9.1	3.2	1	01/08/23 11:28	01/08/23 23:27	85-01-8	
Phenol	ND	ug/L	9.1	1.1	1	01/08/23 11:28	01/08/23 23:27	108-95-2	
Pyrene	ND	ug/L	9.1	3.8	1	01/08/23 11:28	01/08/23 23:27	129-00-0	
Pyridine	ND	ug/L	9.1	3.5	1	01/08/23 11:28	01/08/23 23:27	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/L	9.1	2.0	1	01/08/23 11:28	01/08/23 23:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	22.7	2.4	1	01/08/23 11:28	01/08/23 23:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	9.1	2.6	1	01/08/23 11:28	01/08/23 23:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	35-120		1	01/08/23 11:28	01/08/23 23:27	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-120		1	01/08/23 11:28	01/08/23 23:27	321-60-8	
Terphenyl-d14 (S)	87	%	55-120		1	01/08/23 11:28	01/08/23 23:27	1718-51-0	
Phenol-d6 (S)	32	%	10-120		1	01/08/23 11:28	01/08/23 23:27	13127-88-3	
2-Fluorophenol (S)	47	%	15-120		1	01/08/23 11:28	01/08/23 23:27	367-12-4	
2,4,6-Tribromophenol (S)	88	%	30-120		1	01/08/23 11:28	01/08/23 23:27	118-79-6	
8260 MSV Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City									
Acetone	ND	ug/L	10.0	2.5	1		01/12/23 10:58	67-64-1	
Benzene	ND	ug/L	1.0	0.14	1		01/12/23 10:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.088	1		01/12/23 10:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.20	1		01/12/23 10:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		01/12/23 10:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.68	1		01/12/23 10:58	75-25-2	
Bromomethane	ND	ug/L	5.0	0.46	1		01/12/23 10:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.98	1		01/12/23 10:58	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.15	1		01/12/23 10:58	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.11	1		01/12/23 10:58	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.12	1		01/12/23 10:58	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.98	1		01/12/23 10:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		01/12/23 10:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.089	1		01/12/23 10:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.37	1		01/12/23 10:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.22	1		01/12/23 10:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.28	1		01/12/23 10:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		01/12/23 10:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.15	1		01/12/23 10:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.78	1		01/12/23 10:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.30	1		01/12/23 10:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.20	1		01/12/23 10:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.11	1		01/12/23 10:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.12	1		01/12/23 10:58	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: FB-1		Lab ID: 60419360001		Collected: 01/05/23 14:30		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,3-Dichlorobenzene	ND	ug/L	1.0	0.13	1		01/12/23 10:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.13	1		01/12/23 10:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.20	1		01/12/23 10:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		01/12/23 10:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.21	1		01/12/23 10:58	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.22	1		01/12/23 10:58	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		01/12/23 10:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.13	1		01/12/23 10:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.10	1		01/12/23 10:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.14	1		01/12/23 10:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.10	1		01/12/23 10:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.16	1		01/12/23 10:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		01/12/23 10:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.078	1		01/12/23 10:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		01/12/23 10:58	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		01/12/23 10:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.42	1		01/12/23 10:58	87-68-3	
2-Hexanone	ND	ug/L	10.0	1.1	1		01/12/23 10:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.097	1		01/12/23 10:58	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.13	1		01/12/23 10:58	99-87-6	
Methylene Chloride	ND	ug/L	1.0	0.39	1		01/12/23 10:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.74	1		01/12/23 10:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.13	1		01/12/23 10:58	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.82	1		01/12/23 10:58	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		01/12/23 10:58	103-65-1	
Styrene	ND	ug/L	1.0	0.12	1		01/12/23 10:58	100-42-5	L1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.084	1		01/12/23 10:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.15	1		01/12/23 10:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.33	1		01/12/23 10:58	127-18-4	
Toluene	ND	ug/L	1.0	0.25	1		01/12/23 10:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.93	1		01/12/23 10:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.73	1		01/12/23 10:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	1		01/12/23 10:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.14	1		01/12/23 10:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.21	1		01/12/23 10:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.16	1		01/12/23 10:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.41	1		01/12/23 10:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.32	1		01/12/23 10:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.090	1		01/12/23 10:58	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.17	1		01/12/23 10:58	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.28	1		01/12/23 10:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120		1		01/12/23 10:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120		1		01/12/23 10:58	2199-69-1	
Toluene-d8 (S)	100	%	80-120		1		01/12/23 10:58	2037-26-5	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: FB-1		Lab ID: 60419360001		Collected: 01/05/23 14:30		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City									
Preservation pH	1.0		0.10		1		01/12/23 10:58		

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: TB-3		Lab ID: 60419360003		Collected: 01/05/23 08:00		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
Acetone	ND	ug/L	10.0	2.5	1		01/10/23 09:15	67-64-1	
Benzene	ND	ug/L	1.0	0.14	1		01/10/23 09:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.088	1		01/10/23 09:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.20	1		01/10/23 09:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		01/10/23 09:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.68	1		01/10/23 09:15	75-25-2	
Bromomethane	ND	ug/L	5.0	0.46	1		01/10/23 09:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.98	1		01/10/23 09:15	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.15	1		01/10/23 09:15	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.11	1		01/10/23 09:15	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.12	1		01/10/23 09:15	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.98	1		01/10/23 09:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		01/10/23 09:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.089	1		01/10/23 09:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.37	1		01/10/23 09:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.22	1		01/10/23 09:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.28	1		01/10/23 09:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		01/10/23 09:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.15	1		01/10/23 09:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.78	1		01/10/23 09:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.30	1		01/10/23 09:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.20	1		01/10/23 09:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.11	1		01/10/23 09:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.12	1		01/10/23 09:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.13	1		01/10/23 09:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.13	1		01/10/23 09:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.20	1		01/10/23 09:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		01/10/23 09:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.21	1		01/10/23 09:15	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.22	1		01/10/23 09:15	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		01/10/23 09:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.13	1		01/10/23 09:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.10	1		01/10/23 09:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.14	1		01/10/23 09:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.10	1		01/10/23 09:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.16	1		01/10/23 09:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		01/10/23 09:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.078	1		01/10/23 09:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		01/10/23 09:15	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		01/10/23 09:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.42	1		01/10/23 09:15	87-68-3	
2-Hexanone	ND	ug/L	10.0	1.1	1		01/10/23 09:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.097	1		01/10/23 09:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.13	1		01/10/23 09:15	99-87-6	
Methylene Chloride	ND	ug/L	1.0	0.39	1		01/10/23 09:15	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Sample: TB-3		Lab ID: 60419360003		Collected: 01/05/23 08:00		Received: 01/06/23 13:43		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.74	1		01/10/23 09:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.13	1		01/10/23 09:15	1634-04-4	
Naphthalene	ND	ug/L	10.0	0.82	1		01/10/23 09:15	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		01/10/23 09:15	103-65-1	
Styrene	ND	ug/L	1.0	0.12	1		01/10/23 09:15	100-42-5	L1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.084	1		01/10/23 09:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.15	1		01/10/23 09:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.33	1		01/10/23 09:15	127-18-4	
Toluene	ND	ug/L	1.0	0.25	1		01/10/23 09:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.93	1		01/10/23 09:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.73	1		01/10/23 09:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	1		01/10/23 09:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.14	1		01/10/23 09:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.21	1		01/10/23 09:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.16	1		01/10/23 09:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.41	1		01/10/23 09:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.32	1		01/10/23 09:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.090	1		01/10/23 09:15	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.17	1		01/10/23 09:15	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.28	1		01/10/23 09:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	80-120		1		01/10/23 09:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120		1		01/10/23 09:15	2199-69-1	
Toluene-d8 (S)	99	%	80-120		1		01/10/23 09:15	2037-26-5	
Preservation pH	1.0		0.10		1		01/10/23 09:15		

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 826418

Analysis Method: KS LRH: EPA 5030B/8015C

QC Batch Method: KS LRH: EPA 5030B/8015C

Analysis Description: LRH (C5 - C8) Water

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3282929

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
LRH (C5-C8)	mg/L	ND	0.050	0.011	01/10/23 01:35	
4-Bromofluorobenzene (S)	%	105	70-130		01/10/23 01:35	

LABORATORY CONTROL SAMPLE & LCSD: 3282930

3282931

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
LRH (C5-C8)	mg/L	0.4	0.35	0.35	87	87	70-130	0	25	
4-Bromofluorobenzene (S)	%				107	104	70-130			

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 826793

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3283925

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	01/12/23 08:11	

LABORATORY CONTROL SAMPLE: 3283926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283927 3283928

Parameter	Units	60419360001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.1	5.0	101	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 826400

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury ,Dissolved

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3282880

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	0.064	01/10/23 09:20	

LABORATORY CONTROL SAMPLE: 3282881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282882 3282883

Parameter	Units	60419305001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.1	5.2	103	105	75-125	2	20	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)
Pace Project No.: 60419360

QC Batch:	826339	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3282706 Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	ug/L	ND	200	33.7	01/13/23 12:35	
Magnesium	ug/L	ND	50.0	27.1	01/13/23 12:35	
Potassium	ug/L	ND	500	87.6	01/13/23 12:35	
Sodium	ug/L	ND	500	73.2	01/13/23 12:35	

LABORATORY CONTROL SAMPLE: 3282707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	10000	9050	91	80-120	
Magnesium	ug/L	10000	9160	92	80-120	
Potassium	ug/L	10000	8670	87	80-120	
Sodium	ug/L	10000	9840	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282812 3282813

Parameter	Units	60419305001		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max	
		Result	Conc.	Spike Conc.	Conc.	Result	Result				RPD	RPD
Calcium	ug/L	333000	10000	10000	10000	336000	350000	34	169	75-125	4	20 M1
Magnesium	ug/L	52800	10000	10000	10000	61600	64300	88	115	75-125	4	20
Potassium	ug/L	22200	10000	10000	10000	30800	32200	86	101	75-125	5	20
Sodium	ug/L	262000	10000	10000	10000	273000	276000	118	146	75-125	1	20 M1

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)
Pace Project No.: 60419360

QC Batch:	826481	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3283075 Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium, Dissolved	ug/L	ND	200	33.7	01/16/23 14:26	
Magnesium, Dissolved	ug/L	ND	50.0	27.1	01/16/23 14:26	
Potassium, Dissolved	ug/L	ND	500	87.6	01/16/23 14:26	
Sodium, Dissolved	ug/L	ND	500	73.2	01/16/23 14:26	

LABORATORY CONTROL SAMPLE: 3283076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium, Dissolved	ug/L	10000	10300	103	80-120	
Magnesium, Dissolved	ug/L	10000	10200	102	80-120	
Potassium, Dissolved	ug/L	10000	9990	100	80-120	
Sodium, Dissolved	ug/L	10000	10300	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283077 3283078

Parameter	Units	60419305002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium, Dissolved	ug/L	785000	10000	10000	406000	413000	-3790	-3720	75-125	2	20	M1
Magnesium, Dissolved	ug/L	148000	10000	10000	85400	86400	-625	-615	75-125	1	20	M1
Potassium, Dissolved	ug/L	9560	10000	10000	15400	15700	58	62	75-125	2	20	M1
Sodium, Dissolved	ug/L	273000	10000	10000	151000	149000	-1220	-1240	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 826341

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3282710

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	50.0	8.3	01/10/23 13:05	
Antimony	ug/L	ND	1.0	0.12	01/10/23 13:05	
Arsenic	ug/L	ND	1.0	0.14	01/10/23 13:05	
Barium	ug/L	ND	1.0	0.38	01/10/23 13:05	
Beryllium	ug/L	ND	0.50	0.11	01/10/23 13:05	
Cadmium	ug/L	ND	0.50	0.053	01/10/23 13:05	
Chromium	ug/L	ND	1.0	0.31	01/10/23 13:05	
Cobalt	ug/L	ND	1.0	0.11	01/10/23 13:05	
Copper	ug/L	ND	1.0	0.55	01/10/23 13:05	
Iron	ug/L	ND	50.0	6.0	01/10/23 13:05	
Lead	ug/L	ND	1.0	0.20	01/10/23 13:05	
Manganese	ug/L	ND	1.0	0.16	01/10/23 13:05	
Nickel	ug/L	ND	1.0	0.18	01/10/23 13:05	
Selenium	ug/L	ND	1.0	0.18	01/10/23 13:05	
Silver	ug/L	ND	0.50	0.12	01/10/23 13:05	
Thallium	ug/L	ND	1.0	0.15	01/10/23 13:05	
Vanadium	ug/L	ND	1.0	0.39	01/10/23 13:05	
Zinc	ug/L	ND	10.0	1.7	01/10/23 13:05	

LABORATORY CONTROL SAMPLE: 3282711

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	1000	1060	106	80-120	
Antimony	ug/L	40	40.3	101	80-120	
Arsenic	ug/L	40	40.9	102	80-120	
Barium	ug/L	40	39.0	97	80-120	
Beryllium	ug/L	40	45.0	112	80-120	
Cadmium	ug/L	40	41.7	104	80-120	
Chromium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	39.9	100	80-120	
Copper	ug/L	40	41.4	103	80-120	
Iron	ug/L	1000	1040	104	80-120	
Lead	ug/L	40	40.7	102	80-120	
Manganese	ug/L	40	40.9	102	80-120	
Nickel	ug/L	40	40.8	102	80-120	
Selenium	ug/L	40	45.2	113	80-120	
Silver	ug/L	20	19.2	96	80-120	
Thallium	ug/L	40	38.2	96	80-120	
Vanadium	ug/L	40	38.3	96	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3282711

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	ug/L	100	111	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282712 3282713

Parameter	Units	60418768001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	1000	1000	1020	1020	101	101	75-125	1	20	
Antimony	ug/L	ND	40	40	37.7	38.1	94	95	75-125	1	20	
Arsenic	ug/L	2.6	40	40	38.2	38.5	89	90	75-125	1	20	
Barium	ug/L	94.1	40	40	137	136	107	105	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.4	39.3	99	98	75-125	0	20	
Cadmium	ug/L	ND	40	40	37.0	37.2	92	93	75-125	0	20	
Chromium	ug/L	5.8	40	40	43.6	44.6	95	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	38.8	39.2	97	98	75-125	1	20	
Copper	ug/L	1.1	40	40	38.1	38.2	93	93	75-125	0	20	
Iron	ug/L	ND	1000	1000	1020	1040	101	103	75-125	1	20	
Lead	ug/L	ND	40	40	39.8	40.0	99	99	75-125	1	20	
Manganese	ug/L	ND	40	40	40.4	40.9	100	101	75-125	1	20	
Nickel	ug/L	ND	40	40	38.2	38.4	95	95	75-125	1	20	
Selenium	ug/L	4.0	40	40	37.9	38.3	85	86	75-125	1	20	
Silver	ug/L	ND	20	20	18.6	18.8	93	93	75-125	1	20	
Thallium	ug/L	ND	40	40	38.6	38.8	96	97	75-125	1	20	
Vanadium	ug/L	3.3	40	40	41.7	42.8	96	99	75-125	3	20	
Zinc	ug/L	16.9	100	100	103	104	86	87	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 827048

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET Dissolved

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3284976

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	8.3	01/13/23 11:38	
Antimony, Dissolved	ug/L	ND	1.0	0.12	01/13/23 11:38	
Arsenic, Dissolved	ug/L	ND	1.0	0.14	01/13/23 11:38	
Barium, Dissolved	ug/L	ND	1.0	0.38	01/13/23 11:38	
Beryllium, Dissolved	ug/L	ND	0.50	0.11	01/13/23 11:38	
Cadmium, Dissolved	ug/L	ND	0.50	0.053	01/13/23 11:38	
Chromium, Dissolved	ug/L	ND	1.0	0.31	01/13/23 11:38	
Cobalt, Dissolved	ug/L	ND	1.0	0.11	01/13/23 11:38	
Copper, Dissolved	ug/L	ND	1.0	0.55	01/13/23 11:38	
Iron, Dissolved	ug/L	ND	50.0	6.0	01/13/23 11:38	
Lead, Dissolved	ug/L	ND	1.0	0.20	01/13/23 11:38	
Manganese, Dissolved	ug/L	ND	1.0	0.16	01/13/23 11:38	
Nickel, Dissolved	ug/L	ND	1.0	0.18	01/13/23 11:38	
Selenium, Dissolved	ug/L	ND	1.0	0.18	01/13/23 11:38	
Silver, Dissolved	ug/L	ND	0.50	0.12	01/13/23 11:38	
Thallium, Dissolved	ug/L	ND	1.0	0.15	01/13/23 11:38	
Vanadium, Dissolved	ug/L	ND	1.0	0.39	01/13/23 11:38	
Zinc, Dissolved	ug/L	ND	10.0	1.7	01/13/23 11:38	

LABORATORY CONTROL SAMPLE: 3284977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	1000	1020	102	80-120	
Antimony, Dissolved	ug/L	40	40.3	101	80-120	
Arsenic, Dissolved	ug/L	40	38.9	97	80-120	
Barium, Dissolved	ug/L	40	40.2	100	80-120	
Beryllium, Dissolved	ug/L	40	42.1	105	80-120	
Cadmium, Dissolved	ug/L	40	39.8	99	80-120	
Chromium, Dissolved	ug/L	40	39.5	99	80-120	
Cobalt, Dissolved	ug/L	40	39.8	99	80-120	
Copper, Dissolved	ug/L	40	42.0	105	80-120	
Iron, Dissolved	ug/L	1000	1010	101	80-120	
Lead, Dissolved	ug/L	40	39.4	98	80-120	
Manganese, Dissolved	ug/L	40	40.0	100	80-120	
Nickel, Dissolved	ug/L	40	41.2	103	80-120	
Selenium, Dissolved	ug/L	40	38.5	96	80-120	
Silver, Dissolved	ug/L	20	19.5	98	80-120	
Thallium, Dissolved	ug/L	40	37.9	95	80-120	
Vanadium, Dissolved	ug/L	40	39.3	98	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3284977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc, Dissolved	ug/L	100	100	100	80-120	

SAMPLE DUPLICATE: 3284978

Parameter	Units	60419360001 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum, Dissolved	ug/L	ND	ND		20	
Antimony, Dissolved	ug/L	ND	ND		20	
Arsenic, Dissolved	ug/L	ND	ND		20	
Barium, Dissolved	ug/L	ND	ND		20	
Beryllium, Dissolved	ug/L	ND	ND		20	
Cadmium, Dissolved	ug/L	ND	ND		20	
Chromium, Dissolved	ug/L	ND	ND		20	
Cobalt, Dissolved	ug/L	ND	ND		20	
Copper, Dissolved	ug/L	0.59J	0.56J		20	
Iron, Dissolved	ug/L	ND	ND		20	
Lead, Dissolved	ug/L	ND	ND		20	
Manganese, Dissolved	ug/L	ND	ND		20	
Nickel, Dissolved	ug/L	ND	ND		20	
Selenium, Dissolved	ug/L	ND	ND		20	
Silver, Dissolved	ug/L	ND	ND		20	
Thallium, Dissolved	ug/L	ND	ND		20	
Vanadium, Dissolved	ug/L	ND	ND		20	
Zinc, Dissolved	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 826584

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360003

METHOD BLANK: 3283273

Matrix: Water

Associated Lab Samples: 60419360003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.084	01/10/23 08:20	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.11	01/10/23 08:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.15	01/10/23 08:20	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.14	01/10/23 08:20	
1,1-Dichloroethane	ug/L	ND	1.0	0.12	01/10/23 08:20	
1,1-Dichloroethene	ug/L	ND	1.0	0.22	01/10/23 08:20	
1,1-Dichloropropene	ug/L	ND	1.0	0.14	01/10/23 08:20	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.93	01/10/23 08:20	
1,2,3-Trichloropropane	ug/L	ND	2.5	0.41	01/10/23 08:20	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.73	01/10/23 08:20	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.32	01/10/23 08:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	0.78	01/10/23 08:20	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.20	01/10/23 08:20	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.12	01/10/23 08:20	
1,2-Dichloroethane	ug/L	ND	1.0	0.21	01/10/23 08:20	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	0.22	01/10/23 08:20	
1,2-Dichloropropane	ug/L	ND	1.0	0.14	01/10/23 08:20	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.090	01/10/23 08:20	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.13	01/10/23 08:20	
1,3-Dichloropropane	ug/L	ND	1.0	0.10	01/10/23 08:20	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.13	01/10/23 08:20	
2,2-Dichloropropane	ug/L	ND	1.0	0.16	01/10/23 08:20	
2-Butanone (MEK)	ug/L	ND	10.0	0.98	01/10/23 08:20	
2-Chlorotoluene	ug/L	ND	1.0	0.11	01/10/23 08:20	
2-Hexanone	ug/L	ND	10.0	1.1	01/10/23 08:20	
4-Chlorotoluene	ug/L	ND	1.0	0.15	01/10/23 08:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.74	01/10/23 08:20	
Acetone	ug/L	ND	10.0	2.5	01/10/23 08:20	
Benzene	ug/L	ND	1.0	0.14	01/10/23 08:20	
Bromobenzene	ug/L	ND	1.0	0.088	01/10/23 08:20	
Bromochloromethane	ug/L	ND	1.0	0.20	01/10/23 08:20	
Bromodichloromethane	ug/L	ND	1.0	0.16	01/10/23 08:20	
Bromoform	ug/L	ND	1.0	0.68	01/10/23 08:20	
Bromomethane	ug/L	ND	5.0	0.46	01/10/23 08:20	
Carbon disulfide	ug/L	ND	5.0	0.98	01/10/23 08:20	
Carbon tetrachloride	ug/L	ND	1.0	0.17	01/10/23 08:20	
Chlorobenzene	ug/L	ND	1.0	0.089	01/10/23 08:20	
Chloroethane	ug/L	ND	1.0	0.37	01/10/23 08:20	
Chloroform	ug/L	ND	1.0	0.22	01/10/23 08:20	
Chloromethane	ug/L	ND	1.0	0.28	01/10/23 08:20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

METHOD BLANK: 3283273

Matrix: Water

Associated Lab Samples: 60419360003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.13	01/10/23 08:20	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.078	01/10/23 08:20	
Dibromochloromethane	ug/L	ND	1.0	0.30	01/10/23 08:20	
Dibromomethane	ug/L	ND	1.0	0.11	01/10/23 08:20	
Dichlorodifluoromethane	ug/L	ND	1.0	0.20	01/10/23 08:20	
Ethylbenzene	ug/L	ND	1.0	0.12	01/10/23 08:20	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.42	01/10/23 08:20	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.097	01/10/23 08:20	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.13	01/10/23 08:20	
Methylene Chloride	ug/L	ND	1.0	0.39	01/10/23 08:20	
n-Butylbenzene	ug/L	ND	1.0	0.15	01/10/23 08:20	
n-Propylbenzene	ug/L	ND	1.0	0.12	01/10/23 08:20	
Naphthalene	ug/L	ND	10.0	0.82	01/10/23 08:20	
p-Isopropyltoluene	ug/L	ND	1.0	0.13	01/10/23 08:20	
sec-Butylbenzene	ug/L	ND	1.0	0.11	01/10/23 08:20	
Styrene	ug/L	ND	1.0	0.12	01/10/23 08:20	
tert-Butylbenzene	ug/L	ND	1.0	0.12	01/10/23 08:20	
Tetrachloroethene	ug/L	ND	1.0	0.33	01/10/23 08:20	
Toluene	ug/L	ND	1.0	0.25	01/10/23 08:20	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.10	01/10/23 08:20	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.18	01/10/23 08:20	
Trichloroethene	ug/L	ND	1.0	0.21	01/10/23 08:20	
Trichlorofluoromethane	ug/L	ND	1.0	0.16	01/10/23 08:20	
Vinyl chloride	ug/L	ND	1.0	0.17	01/10/23 08:20	
Xylene (Total)	ug/L	ND	3.0	0.28	01/10/23 08:20	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120		01/10/23 08:20	
4-Bromofluorobenzene (S)	%	103	80-120		01/10/23 08:20	
Toluene-d8 (S)	%	100	80-120		01/10/23 08:20	

LABORATORY CONTROL SAMPLE: 3283274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	80-120	
1,1,1-Trichloroethane	ug/L	20	20.8	104	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	102	80-120	
1,1,2-Trichloroethane	ug/L	20	19.9	100	80-120	
1,1-Dichloroethane	ug/L	20	20.1	101	75-120	
1,1-Dichloroethene	ug/L	20	18.9	94	75-120	
1,1-Dichloropropene	ug/L	20	20.4	102	75-125	
1,2,3-Trichlorobenzene	ug/L	20	21.6	108	60-135	
1,2,3-Trichloropropane	ug/L	20	19.2	96	75-120	
1,2,4-Trichlorobenzene	ug/L	20	21.0	105	65-130	
1,2,4-Trimethylbenzene	ug/L	20	20.9	105	80-120	
1,2-Dibromo-3-chloropropane	ug/L	20	22.2	111	65-130	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3283274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	19.2	96	80-120	
1,2-Dichlorobenzene	ug/L	20	20.6	103	80-120	
1,2-Dichloroethane	ug/L	20	20.6	103	80-120	
1,2-Dichloroethene (Total)	ug/L	40	39.1	98	80-120	
1,2-Dichloropropane	ug/L	20	20.3	102	80-120	
1,3,5-Trimethylbenzene	ug/L	20	21.9	109	75-120	
1,3-Dichlorobenzene	ug/L	20	20.5	103	80-120	
1,3-Dichloropropane	ug/L	20	21.3	106	80-120	
1,4-Dichlorobenzene	ug/L	20	20.5	103	80-120	
2,2-Dichloropropane	ug/L	20	19.7	99	55-135	
2-Butanone (MEK)	ug/L	100	126	126	50-155	
2-Chlorotoluene	ug/L	20	20.7	104	80-120	
2-Hexanone	ug/L	100	123	123	55-145	
4-Chlorotoluene	ug/L	20	21.0	105	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.5	98	70-130	
Acetone	ug/L	100	127	127	35-160	
Benzene	ug/L	20	20.4	102	80-120	
Bromobenzene	ug/L	20	21.0	105	80-120	
Bromochloromethane	ug/L	20	19.3	97	80-120	
Bromodichloromethane	ug/L	20	21.9	109	80-120	
Bromoform	ug/L	20	19.6	98	60-130	
Bromomethane	ug/L	20	23.3	116	50-140	
Carbon disulfide	ug/L	20	20.1	101	75-125	
Carbon tetrachloride	ug/L	20	21.1	106	70-130	
Chlorobenzene	ug/L	20	20.3	101	80-120	
Chloroethane	ug/L	20	20.5	102	70-130	
Chloroform	ug/L	20	19.6	98	75-120	
Chloromethane	ug/L	20	18.1	91	45-145	
cis-1,2-Dichloroethene	ug/L	20	19.4	97	80-120	
cis-1,3-Dichloropropene	ug/L	20	21.1	105	75-125	
Dibromochloromethane	ug/L	20	20.4	102	75-125	
Dibromomethane	ug/L	20	20.1	101	80-120	
Dichlorodifluoromethane	ug/L	20	18.7	94	25-180	
Ethylbenzene	ug/L	20	20.9	105	80-120	
Hexachloro-1,3-butadiene	ug/L	20	19.9	100	65-125	
Isopropylbenzene (Cumene)	ug/L	20	21.3	107	80-125	
Methyl-tert-butyl ether	ug/L	20	20.1	100	75-125	
Methylene Chloride	ug/L	20	21.6	108	70-140	
n-Butylbenzene	ug/L	20	21.4	107	70-125	
n-Propylbenzene	ug/L	20	22.0	110	80-120	
Naphthalene	ug/L	20	17.2	86	60-140	
p-Isopropyltoluene	ug/L	20	21.6	108	80-120	
sec-Butylbenzene	ug/L	20	22.1	111	80-120	
Styrene	ug/L	20	25.8	129	80-120 L1	
tert-Butylbenzene	ug/L	20	21.4	107	80-120	
Tetrachloroethene	ug/L	20	20.0	100	80-125	
Toluene	ug/L	20	21.2	106	80-120	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3283274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	19.7	99	80-120	
trans-1,3-Dichloropropene	ug/L	20	20.9	105	75-125	
Trichloroethene	ug/L	20	19.7	98	80-125	
Trichlorofluoromethane	ug/L	20	18.5	92	75-125	
Vinyl chloride	ug/L	20	17.5	87	65-140	
Xylene (Total)	ug/L	60	63.4	106	80-120	
1,2-Dichlorobenzene-d4 (S)	%			92	80-120	
4-Bromofluorobenzene (S)	%			101	80-120	
Toluene-d8 (S)	%			98	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 827105

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3285139

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.084	01/12/23 10:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.11	01/12/23 10:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.15	01/12/23 10:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.14	01/12/23 10:43	
1,1-Dichloroethane	ug/L	ND	1.0	0.12	01/12/23 10:43	
1,1-Dichloroethene	ug/L	ND	1.0	0.22	01/12/23 10:43	
1,1-Dichloropropene	ug/L	ND	1.0	0.14	01/12/23 10:43	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.93	01/12/23 10:43	
1,2,3-Trichloropropane	ug/L	ND	2.5	0.41	01/12/23 10:43	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.73	01/12/23 10:43	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.32	01/12/23 10:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	0.78	01/12/23 10:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.20	01/12/23 10:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.12	01/12/23 10:43	
1,2-Dichloroethane	ug/L	ND	1.0	0.21	01/12/23 10:43	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	0.22	01/12/23 10:43	
1,2-Dichloropropane	ug/L	ND	1.0	0.14	01/12/23 10:43	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.090	01/12/23 10:43	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.13	01/12/23 10:43	
1,3-Dichloropropane	ug/L	ND	1.0	0.10	01/12/23 10:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.13	01/12/23 10:43	
2,2-Dichloropropane	ug/L	ND	1.0	0.16	01/12/23 10:43	
2-Butanone (MEK)	ug/L	ND	10.0	0.98	01/12/23 10:43	
2-Chlorotoluene	ug/L	ND	1.0	0.11	01/12/23 10:43	
2-Hexanone	ug/L	ND	10.0	1.1	01/12/23 10:43	
4-Chlorotoluene	ug/L	ND	1.0	0.15	01/12/23 10:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.74	01/12/23 10:43	
Acetone	ug/L	ND	10.0	2.5	01/12/23 10:43	
Benzene	ug/L	ND	1.0	0.14	01/12/23 10:43	
Bromobenzene	ug/L	ND	1.0	0.088	01/12/23 10:43	
Bromochloromethane	ug/L	ND	1.0	0.20	01/12/23 10:43	
Bromodichloromethane	ug/L	ND	1.0	0.16	01/12/23 10:43	
Bromoform	ug/L	ND	1.0	0.68	01/12/23 10:43	
Bromomethane	ug/L	ND	5.0	0.46	01/12/23 10:43	
Carbon disulfide	ug/L	ND	5.0	0.98	01/12/23 10:43	
Carbon tetrachloride	ug/L	ND	1.0	0.17	01/12/23 10:43	
Chlorobenzene	ug/L	ND	1.0	0.089	01/12/23 10:43	
Chloroethane	ug/L	ND	1.0	0.37	01/12/23 10:43	
Chloroform	ug/L	ND	1.0	0.22	01/12/23 10:43	
Chloromethane	ug/L	ND	1.0	0.28	01/12/23 10:43	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

METHOD BLANK: 3285139

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.13	01/12/23 10:43	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.078	01/12/23 10:43	
Dibromochloromethane	ug/L	ND	1.0	0.30	01/12/23 10:43	
Dibromomethane	ug/L	ND	1.0	0.11	01/12/23 10:43	
Dichlorodifluoromethane	ug/L	ND	1.0	0.20	01/12/23 10:43	
Ethylbenzene	ug/L	ND	1.0	0.12	01/12/23 10:43	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.42	01/12/23 10:43	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.097	01/12/23 10:43	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.13	01/12/23 10:43	
Methylene Chloride	ug/L	ND	1.0	0.39	01/12/23 10:43	
n-Butylbenzene	ug/L	ND	1.0	0.15	01/12/23 10:43	
n-Propylbenzene	ug/L	ND	1.0	0.12	01/12/23 10:43	
Naphthalene	ug/L	ND	10.0	0.82	01/12/23 10:43	
p-Isopropyltoluene	ug/L	ND	1.0	0.13	01/12/23 10:43	
sec-Butylbenzene	ug/L	ND	1.0	0.11	01/12/23 10:43	
Styrene	ug/L	ND	1.0	0.12	01/12/23 10:43	
tert-Butylbenzene	ug/L	ND	1.0	0.12	01/12/23 10:43	
Tetrachloroethene	ug/L	ND	1.0	0.33	01/12/23 10:43	
Toluene	ug/L	ND	1.0	0.25	01/12/23 10:43	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.10	01/12/23 10:43	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.18	01/12/23 10:43	
Trichloroethene	ug/L	ND	1.0	0.21	01/12/23 10:43	
Trichlorofluoromethane	ug/L	ND	1.0	0.16	01/12/23 10:43	
Vinyl chloride	ug/L	ND	1.0	0.17	01/12/23 10:43	
Xylene (Total)	ug/L	ND	3.0	0.28	01/12/23 10:43	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120		01/12/23 10:43	
4-Bromofluorobenzene (S)	%	102	80-120		01/12/23 10:43	
Toluene-d8 (S)	%	100	80-120		01/12/23 10:43	

LABORATORY CONTROL SAMPLE: 3285140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.0	105	80-120	
1,1,1-Trichloroethane	ug/L	20	21.6	108	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.6	103	80-120	
1,1,2-Trichloroethane	ug/L	20	20.6	103	80-120	
1,1-Dichloroethane	ug/L	20	20.0	100	75-120	
1,1-Dichloroethene	ug/L	20	18.3	91	75-120	
1,1-Dichloropropene	ug/L	20	20.6	103	75-125	
1,2,3-Trichlorobenzene	ug/L	20	21.2	106	60-135	
1,2,3-Trichloropropane	ug/L	20	20.6	103	75-120	
1,2,4-Trichlorobenzene	ug/L	20	21.2	106	65-130	
1,2,4-Trimethylbenzene	ug/L	20	19.9	99	80-120	
1,2-Dibromo-3-chloropropane	ug/L	20	20.2	101	65-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3285140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.6	103	80-120	
1,2-Dichlorobenzene	ug/L	20	20.8	104	80-120	
1,2-Dichloroethane	ug/L	20	19.9	99	80-120	
1,2-Dichloroethene (Total)	ug/L	40	40.4	101	80-120	
1,2-Dichloropropane	ug/L	20	20.2	101	80-120	
1,3,5-Trimethylbenzene	ug/L	20	20.3	102	75-120	
1,3-Dichlorobenzene	ug/L	20	20.7	104	80-120	
1,3-Dichloropropane	ug/L	20	20.5	103	80-120	
1,4-Dichlorobenzene	ug/L	20	20.2	101	80-120	
2,2-Dichloropropane	ug/L	20	19.5	98	55-135	
2-Butanone (MEK)	ug/L	100	112	112	50-155	
2-Chlorotoluene	ug/L	20	20.0	100	80-120	
2-Hexanone	ug/L	100	106	106	55-145	
4-Chlorotoluene	ug/L	20	20.1	100	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	70-130	
Acetone	ug/L	100	106	106	35-160	
Benzene	ug/L	20	20.5	103	80-120	
Bromobenzene	ug/L	20	20.7	104	80-120	
Bromochloromethane	ug/L	20	20.0	100	80-120	
Bromodichloromethane	ug/L	20	21.1	106	80-120	
Bromoform	ug/L	20	22.0	110	60-130	
Bromomethane	ug/L	20	20.8	104	50-140	
Carbon disulfide	ug/L	20	19.2	96	75-125	
Carbon tetrachloride	ug/L	20	22.0	110	70-130	
Chlorobenzene	ug/L	20	20.2	101	80-120	
Chloroethane	ug/L	20	17.4	87	70-130	
Chloroform	ug/L	20	19.7	99	75-120	
Chloromethane	ug/L	20	15.9	79	45-145	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	80-120	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	75-125	
Dibromochloromethane	ug/L	20	21.2	106	75-125	
Dibromomethane	ug/L	20	20.6	103	80-120	
Dichlorodifluoromethane	ug/L	20	17.2	86	25-180	
Ethylbenzene	ug/L	20	20.0	100	80-120	
Hexachloro-1,3-butadiene	ug/L	20	21.6	108	65-125	
Isopropylbenzene (Cumene)	ug/L	20	21.1	106	80-125	
Methyl-tert-butyl ether	ug/L	20	22.7	113	75-125	
Methylene Chloride	ug/L	20	21.8	109	70-140	
n-Butylbenzene	ug/L	20	20.2	101	70-125	
n-Propylbenzene	ug/L	20	20.8	104	80-120	
Naphthalene	ug/L	20	22.4	112	60-140	
p-Isopropyltoluene	ug/L	20	20.4	102	80-120	
sec-Butylbenzene	ug/L	20	21.5	107	80-120	
Styrene	ug/L	20	24.7	124	80-120 L1	
tert-Butylbenzene	ug/L	20	20.7	103	80-120	
Tetrachloroethene	ug/L	20	20.5	103	80-125	
Toluene	ug/L	20	20.3	102	80-120	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3285140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	20.2	101	80-120	
trans-1,3-Dichloropropene	ug/L	20	21.1	105	75-125	
Trichloroethene	ug/L	20	20.5	103	80-125	
Trichlorofluoromethane	ug/L	20	18.4	92	75-125	
Vinyl chloride	ug/L	20	17.1	85	65-140	
Xylene (Total)	ug/L	60	60.6	101	80-120	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			102	80-120	

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)
Pace Project No.: 60419360

QC Batch:	826368	Analysis Method:	EPA 8015C
QC Batch Method:	EPA 3511	Analysis Description:	EPA 8015C
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3282804 Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
HRH (C19-C35)	mg/L	ND	0.20	0.11	01/09/23 13:54	
MRH (C9-C18)	mg/L	ND	0.059	0.054	01/09/23 13:54	
1-Chloro-octadecane (S)	%	93	40-140		01/09/23 13:54	

LABORATORY CONTROL SAMPLE & LCSD: 3282805

Parameter	Units	3282806								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
HRH (C19-C35)	mg/L	0.22	0.20	0.20	91	90	40-140	1	25	
MRH (C9-C18)	mg/L	0.17	0.16	0.13	97	80	40-140	19	25	
1-Chloro-octadecane (S)	%				83	87	40-140			

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

QC Batch: 826318

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60419360001

METHOD BLANK: 3282683

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	2.2	01/08/23 17:51	
1,2-Dichlorobenzene	ug/L	ND	10.0	2.3	01/08/23 17:51	
1,3-Dichlorobenzene	ug/L	ND	10.0	2.5	01/08/23 17:51	
1,4-Dichlorobenzene	ug/L	ND	10.0	2.5	01/08/23 17:51	
2,4,5-Trichlorophenol	ug/L	ND	25.0	2.6	01/08/23 17:51	
2,4,6-Trichlorophenol	ug/L	ND	10.0	2.9	01/08/23 17:51	
2,4-Dichlorophenol	ug/L	ND	10.0	2.8	01/08/23 17:51	
2,4-Dimethylphenol	ug/L	ND	10.0	3.2	01/08/23 17:51	
2,4-Dinitrophenol	ug/L	ND	50.0	3.6	01/08/23 17:51	
2,4-Dinitrotoluene	ug/L	ND	10.0	4.0	01/08/23 17:51	
2,6-Dinitrotoluene	ug/L	ND	10.0	3.6	01/08/23 17:51	
2-Chloronaphthalene	ug/L	ND	10.0	2.8	01/08/23 17:51	
2-Chlorophenol	ug/L	ND	10.0	2.8	01/08/23 17:51	
2-Methylnaphthalene	ug/L	ND	10.0	2.8	01/08/23 17:51	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	2.6	01/08/23 17:51	
2-Nitroaniline	ug/L	ND	50.0	3.3	01/08/23 17:51	
2-Nitrophenol	ug/L	ND	10.0	3.0	01/08/23 17:51	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	2.1	01/08/23 17:51	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	2.9	01/08/23 17:51	
3-Nitroaniline	ug/L	ND	50.0	4.8	01/08/23 17:51	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	3.5	01/08/23 17:51	
4-Bromophenylphenyl ether	ug/L	ND	10.0	3.2	01/08/23 17:51	
4-Chloro-3-methylphenol	ug/L	ND	20.0	3.2	01/08/23 17:51	
4-Chloroaniline	ug/L	ND	20.0	5.5	01/08/23 17:51	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	2.6	01/08/23 17:51	
4-Nitroaniline	ug/L	ND	50.0	3.3	01/08/23 17:51	
4-Nitrophenol	ug/L	ND	50.0	2.3	01/08/23 17:51	
Acenaphthene	ug/L	ND	10.0	3.0	01/08/23 17:51	
Acenaphthylene	ug/L	ND	10.0	2.7	01/08/23 17:51	
Anthracene	ug/L	ND	10.0	3.7	01/08/23 17:51	
Benzo(a)anthracene	ug/L	ND	10.0	3.3	01/08/23 17:51	
Benzo(a)pyrene	ug/L	ND	10.0	3.4	01/08/23 17:51	
Benzo(b)fluoranthene	ug/L	ND	10.0	3.6	01/08/23 17:51	
Benzo(g,h,i)perylene	ug/L	ND	10.0	3.4	01/08/23 17:51	
Benzo(k)fluoranthene	ug/L	ND	10.0	3.2	01/08/23 17:51	
Benzoic Acid	ug/L	ND	50.0	0.87	01/08/23 17:51	
Benzyl alcohol	ug/L	ND	20.0	2.5	01/08/23 17:51	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	3.3	01/08/23 17:51	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	3.0	01/08/23 17:51	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	3.0	01/08/23 17:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

METHOD BLANK: 3282683

Matrix: Water

Associated Lab Samples: 60419360001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	3.8	01/08/23 17:51	
Butylbenzylphthalate	ug/L	ND	10.0	4.2	01/08/23 17:51	
Carbazole	ug/L	ND	10.0	3.6	01/08/23 17:51	
Chrysene	ug/L	ND	10.0	3.4	01/08/23 17:51	
Di-n-butylphthalate	ug/L	ND	10.0	4.1	01/08/23 17:51	
Di-n-octylphthalate	ug/L	ND	10.0	3.7	01/08/23 17:51	
Dibenz(a,h)anthracene	ug/L	ND	10.0	3.3	01/08/23 17:51	
Dibenzofuran	ug/L	ND	10.0	2.9	01/08/23 17:51	
Diethylphthalate	ug/L	ND	10.0	6.2	01/08/23 17:51	
Dimethylphthalate	ug/L	ND	10.0	3.3	01/08/23 17:51	
Fluoranthene	ug/L	ND	10.0	3.7	01/08/23 17:51	
Fluorene	ug/L	ND	10.0	3.2	01/08/23 17:51	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	2.0	01/08/23 17:51	
Hexachlorobenzene	ug/L	ND	10.0	3.2	01/08/23 17:51	
Hexachlorocyclopentadiene	ug/L	ND	10.0	2.2	01/08/23 17:51	
Hexachloroethane	ug/L	ND	10.0	2.6	01/08/23 17:51	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	3.8	01/08/23 17:51	
Isophorone	ug/L	ND	10.0	3.4	01/08/23 17:51	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	3.3	01/08/23 17:51	
N-Nitrosodiphenylamine	ug/L	ND	10.0	3.0	01/08/23 17:51	
Naphthalene	ug/L	ND	10.0	2.6	01/08/23 17:51	
Nitrobenzene	ug/L	ND	10.0	3.2	01/08/23 17:51	
Pentachlorophenol	ug/L	ND	50.0	3.4	01/08/23 17:51	
Phenanthrene	ug/L	ND	10.0	3.5	01/08/23 17:51	
Phenol	ug/L	ND	10.0	1.3	01/08/23 17:51	
Pyrene	ug/L	ND	10.0	4.2	01/08/23 17:51	
Pyridine	ug/L	ND	10.0	3.8	01/08/23 17:51	
2,4,6-Tribromophenol (S)	%	84	30-120		01/08/23 17:51	
2-Fluorobiphenyl (S)	%	59	30-120		01/08/23 17:51	
2-Fluorophenol (S)	%	42	15-120		01/08/23 17:51	
Nitrobenzene-d5 (S)	%	65	35-120		01/08/23 17:51	
Phenol-d6 (S)	%	31	10-120		01/08/23 17:51	
Terphenyl-d14 (S)	%	63	55-120		01/08/23 17:51	

LABORATORY CONTROL SAMPLE: 3282684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	30.2	60	10-120	
1,2-Dichlorobenzene	ug/L	50	30.4	61	10-120	
1,3-Dichlorobenzene	ug/L	50	29.6	59	10-120	
1,4-Dichlorobenzene	ug/L	50	29.8	60	10-120	
2,4,5-Trichlorophenol	ug/L	50	53.0	106	30-120	
2,4,6-Trichlorophenol	ug/L	50	50.4	101	30-120	
2,4-Dichlorophenol	ug/L	50	46.3	93	30-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3282684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	46.7	93	30-120	
2,4-Dinitrophenol	ug/L	50	37.9J	76	20-120	
2,4-Dinitrotoluene	ug/L	50	58.1	116	40-120	
2,6-Dinitrotoluene	ug/L	50	55.2	110	35-120	
2-Chloronaphthalene	ug/L	50	38.5	77	15-120	
2-Chlorophenol	ug/L	50	42.6	85	30-120	
2-Methylnaphthalene	ug/L	50	36.6	73	15-120	
2-Methylphenol(o-Cresol)	ug/L	50	42.5	85	15-120	
2-Nitroaniline	ug/L	50	58.1	116	30-120	
2-Nitrophenol	ug/L	50	45.8	92	30-120	
3&4-Methylphenol(m&p Cresol)	ug/L	50	41.0	82	25-120	
3,3'-Dichlorobenzidine	ug/L	50	58.3	117	35-130	
3-Nitroaniline	ug/L	50	54.7	109	35-120	
4,6-Dinitro-2-methylphenol	ug/L	50	45.8J	92	35-120	
4-Bromophenylphenyl ether	ug/L	50	47.6	95	30-120	
4-Chloro-3-methylphenol	ug/L	50	55.8	112	35-120	
4-Chloroaniline	ug/L	50	42.2	84	25-120	
4-Chlorophenylphenyl ether	ug/L	50	47.4	95	30-120	
4-Nitroaniline	ug/L	50	57.0	114	40-120	
4-Nitrophenol	ug/L	50	24.8J	50	15-120	
Acenaphthene	ug/L	50	43.8	88	25-120	
Acenaphthylene	ug/L	50	44.2	88	25-120	
Anthracene	ug/L	50	49.8	100	35-120	
Benzo(a)anthracene	ug/L	50	54.8	110	45-120	
Benzo(a)pyrene	ug/L	50	55.2	110	40-120	
Benzo(b)fluoranthene	ug/L	50	57.8	116	45-120	
Benzo(g,h,i)perylene	ug/L	50	53.8	108	45-120	
Benzo(k)fluoranthene	ug/L	50	51.0	102	40-120	
Benzoic Acid	ug/L	50	22.6J	45	10-120	
Benzyl alcohol	ug/L	50	43.5	87	10-160	
bis(2-Chloroethoxy)methane	ug/L	50	44.9	90	30-120	
bis(2-Chloroethyl) ether	ug/L	50	43.9	88	25-120	
bis(2-Chloroisopropyl) ether	ug/L	50	51.9	104	20-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	61.9	124	50-120 L1	
Butylbenzylphthalate	ug/L	50	66.3	133	45-125 L1	
Carbazole	ug/L	50	53.5	107	45-120	
Chrysene	ug/L	50	52.0	104	45-120	
Di-n-butylphthalate	ug/L	50	58.6	117	50-120	
Di-n-octylphthalate	ug/L	50	60.9	122	45-130	
Dibenz(a,h)anthracene	ug/L	50	54.4	109	45-120	
Dibenzofuran	ug/L	50	45.7	91	30-120	
Diethylphthalate	ug/L	50	54.8	110	40-120	
Dimethylphthalate	ug/L	50	51.9	104	40-120	
Fluoranthene	ug/L	50	53.7	107	40-120	
Fluorene	ug/L	50	47.6	95	30-120	
Hexachloro-1,3-butadiene	ug/L	50	27.8	56	10-120	
Hexachlorobenzene	ug/L	50	45.3	91	35-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

LABORATORY CONTROL SAMPLE: 3282684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	23.5	47	10-120	
Hexachloroethane	ug/L	50	27.5	55	10-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	54.9	110	45-120	
Isophorone	ug/L	50	48.1	96	30-120	
N-Nitroso-di-n-propylamine	ug/L	50	49.4	99	30-120	
N-Nitrosodiphenylamine	ug/L	50	52.0	104	35-120	
Naphthalene	ug/L	50	34.8	70	15-120	
Nitrobenzene	ug/L	50	43.6	87	30-120	
Pentachlorophenol	ug/L	50	53.7	107	35-120	
Phenanthrene	ug/L	50	48.9	98	35-120	
Phenol	ug/L	50	24.2	48	10-120	
Pyrene	ug/L	50	55.8	112	45-120	
Pyridine	ug/L	50	16.8	34	10-120	
2,4,6-Tribromophenol (S)	%			105	30-120	
2-Fluorobiphenyl (S)	%			73	30-120	
2-Fluorophenol (S)	%			52	15-120	
Nitrobenzene-d5 (S)	%			78	35-120	
Phenol-d6 (S)	%			39	10-120	
Terphenyl-d14 (S)	%			97	55-120	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

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.

BATCH QUALIFIERS

Batch: 826584

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GOLDFINCH MECHANIC SITE (GW)

Pace Project No.: 60419360

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60419360001	FB-1	EPA 3511	826368	EPA 8015C	826472
60419360001	FB-1	KS LRH: EPA 5030B/8015C	826418		
60419360001	FB-1	EPA 3010	826339	EPA 6010	826458
60419360001	FB-1	EPA 3010	826481	EPA 6010	826518
60419360001	FB-1	EPA 3010	826341	EPA 6020	826459
60419360001	FB-1	EPA 3010	827048	EPA 6020	827224
60419360001	FB-1	EPA 7470	826793	EPA 7470	826893
60419360001	FB-1	EPA 7470	826400	EPA 7470	826512
60419360001	FB-1	EPA 3510	826318	EPA 8270	826329
60419360001	FB-1	EPA 5030B/8260	827105		
60419360003	TB-3	EPA 5030B/8260	826584		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-LENE-0009_Sam

Revision: 2

Effective Date: 01/12/2

WO#: 60419360



60419360

Client Name: TETRA TELH EMICourier: 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 5.0 Corr. Factor 0.1 Corrected 4.9Date and initials of person
examining contents:LF 01/06

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: _____

Client: TETRA TECH CMI Profile # 8083-2

Site: GOLD FINCH MECHANIC SITE (GW) Notes

COC Line Item	Matrix	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
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Container Codes

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 HNO3 plastic - field filtered																								
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic																								
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic																								
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic																								
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate																								

Work Order Number:

60419360

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

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

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

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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

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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
8082 GCS PCB SW 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
Surrogates									
Decachlorobiphenyl (S)	47	%	20-120		1	01/09/23 13:13	01/10/23 16:21	2051-24-3	CH

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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
8082 GCS PCB SW 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
Surrogates									
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
8082 GCS PCB SW 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
Surrogates									
Decachlorobiphenyl (S)	44	%	20-120		1	01/09/23 13:13	01/10/23 17:32	2051-24-3	CH

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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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	89	%	40-140		1	01/09/23 13:41	01/10/23 09:47	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	205000	mg/kg	63.0	11.4	3	01/09/23 10:08	01/17/23 09:57	7440-70-2	M1,R1
Magnesium	35700	mg/kg	5.3	1.6	1	01/09/23 10:08	01/16/23 15:39	7439-95-4	M1
Potassium	7150	mg/kg	52.5	13.3	1	01/09/23 10:08	01/16/23 15:39	7440-09-7	M1
Sodium	1360	mg/kg	52.5	3.5	1	01/09/23 10:08	01/16/23 15:39	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	15200	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	1.2	mg/kg	1.1	0.24	10	01/09/23 10:08	01/13/23 12:04	7440-38-2	
Barium	190	mg/kg	1.1	0.34	10	01/09/23 10:08	01/13/23 12:04	7440-39-3	
Beryllium	0.77	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	18.7	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:04	7440-47-3	
Cobalt	5.5	mg/kg	1.1	0.11	10	01/09/23 10:08	01/13/23 12:04	7440-48-4	
Copper	6.3	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 12:04	7440-50-8	
Iron	24200	mg/kg	52.5	3.7	10	01/09/23 10:08	01/13/23 12:04	7439-89-6	
Lead	6.3	mg/kg	1.1	0.16	10	01/09/23 10:08	01/13/23 12:04	7439-92-1	
Manganese	1540	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:04	7439-96-5	
Nickel	14.4	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 12:04	7440-02-0	
Selenium	1.8	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	17.0	mg/kg	1.1	0.64	10	01/09/23 10:08	01/13/23 12:04	7440-62-2	
Zinc	25.0	mg/kg	10.5	1.6	10	01/09/23 10:08	01/13/23 12:04	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA 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	

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
8260 MSV 5035A VOA 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	1.4J	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	
Surrogates									
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	17.9	%	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-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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	99	%	40-140		1	01/09/23 13:41	01/10/23 10:11	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	148000	mg/kg	58.2	10.6	3	01/09/23 10:08	01/17/23 10:03	7440-70-2	
Magnesium	15600	mg/kg	4.9	1.5	1	01/09/23 10:08	01/16/23 15:45	7439-95-4	
Potassium	6150	mg/kg	48.5	12.3	1	01/09/23 10:08	01/16/23 15:45	7440-09-7	
Sodium	460	mg/kg	48.5	3.2	1	01/09/23 10:08	01/16/23 15:45	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	16200	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	1.2	mg/kg	0.97	0.22	10	01/09/23 10:08	01/13/23 12:07	7440-38-2	
Barium	38.7	mg/kg	0.97	0.32	10	01/09/23 10:08	01/13/23 12:07	7440-39-3	
Beryllium	0.79	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	21.2	mg/kg	0.97	0.20	10	01/09/23 10:08	01/13/23 12:07	7440-47-3	
Cobalt	11.2	mg/kg	0.97	0.10	10	01/09/23 10:08	01/13/23 12:07	7440-48-4	
Copper	7.8	mg/kg	0.97	0.25	10	01/09/23 10:08	01/13/23 12:07	7440-50-8	
Iron	20600	mg/kg	48.5	3.4	10	01/09/23 10:08	01/13/23 12:07	7439-89-6	M1
Lead	4.6	mg/kg	0.97	0.15	10	01/09/23 10:08	01/13/23 12:07	7439-92-1	
Manganese	1200	mg/kg	0.97	0.20	10	01/09/23 10:08	01/13/23 12:07	7439-96-5	M1
Nickel	24.5	mg/kg	0.97	0.13	10	01/09/23 10:08	01/13/23 12:07	7440-02-0	
Selenium	2.5	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	24.8	mg/kg	0.97	0.59	10	01/09/23 10:08	01/13/23 12:07	7440-62-2	
Zinc	29.7	mg/kg	9.7	1.5	10	01/09/23 10:08	01/13/23 12:07	7440-66-6	
7471 Mercury									
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	

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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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA									
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	0.80J	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)	2.1J	ug/kg	4.7	1.1	1	01/10/23 09:13	01/10/23 09:50	1330-20-7	
Surrogates									
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	12.6	%	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 (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
KS MRH/HRH									
Analytical Method: KS MRH/HRH Preparation Method: EPA 3546									
Pace Analytical Services - Kansas City									
HRH (C19-C35)	6.4J	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		
Surrogates									
1-Chloro-octadecane (S)	97	%	40-140		1	01/09/23 13:41	01/11/23 16:35	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	3060	mg/kg	20.6	3.7	1	01/09/23 10:08	01/16/23 15:47	7440-70-2	
Magnesium	4250	mg/kg	5.1	1.6	1	01/09/23 10:08	01/16/23 15:47	7439-95-4	
Potassium	5120	mg/kg	51.4	13.1	1	01/09/23 10:08	01/16/23 15:47	7440-09-7	
Sodium	103	mg/kg	51.4	3.4	1	01/09/23 10:08	01/16/23 15:47	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	29400	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	9.5	mg/kg	1.0	0.24	10	01/09/23 10:08	01/13/23 12:21	7440-38-2	
Barium	247	mg/kg	1.0	0.34	10	01/09/23 10:08	01/13/23 12:21	7440-39-3	
Beryllium	1.3	mg/kg	0.51	0.043	10	01/09/23 10:08	01/13/23 12:21	7440-41-7	
Cadmium	0.19J	mg/kg	0.51	0.17	10	01/09/23 10:08	01/13/23 12:21	7440-43-9	
Chromium	28.7	mg/kg	1.0	0.21	10	01/09/23 10:08	01/13/23 12:21	7440-47-3	
Cobalt	13.0	mg/kg	1.0	0.11	10	01/09/23 10:08	01/13/23 12:21	7440-48-4	
Copper	19.5	mg/kg	1.0	0.26	10	01/09/23 10:08	01/13/23 12:21	7440-50-8	
Iron	29400	mg/kg	51.4	3.6	10	01/09/23 10:08	01/13/23 12:21	7439-89-6	
Lead	15.3	mg/kg	1.0	0.16	10	01/09/23 10:08	01/13/23 12:21	7439-92-1	
Manganese	936	mg/kg	1.0	0.21	10	01/09/23 10:08	01/13/23 12:21	7439-96-5	
Nickel	31.0	mg/kg	1.0	0.14	10	01/09/23 10:08	01/13/23 12:21	7440-02-0	
Selenium	4.4	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	40.5	mg/kg	1.0	0.62	10	01/09/23 10:08	01/13/23 12:21	7440-62-2	
Zinc	45.7	mg/kg	10.3	1.5	10	01/09/23 10:08	01/13/23 12:21	7440-66-6	
7471 Mercury									
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	

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
8270 MSSV Semivolatiles									
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	

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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA 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	
Surrogates									
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	14.7	%	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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	98	%	40-140		1	01/09/23 13:41	01/10/23 10:28	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	132000	mg/kg	59.4	10.8	3	01/09/23 10:08	01/17/23 10:05	7440-70-2	
Magnesium	13900	mg/kg	5.0	1.5	1	01/09/23 10:08	01/16/23 15:49	7439-95-4	
Potassium	6580	mg/kg	49.5	12.6	1	01/09/23 10:08	01/16/23 15:49	7440-09-7	
Sodium	449	mg/kg	49.5	3.3	1	01/09/23 10:08	01/16/23 15:49	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	18100	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	1.4	mg/kg	0.99	0.23	10	01/09/23 10:08	01/13/23 12:24	7440-38-2	
Barium	67.5	mg/kg	0.99	0.32	10	01/09/23 10:08	01/13/23 12:24	7440-39-3	
Beryllium	0.96	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	23.6	mg/kg	0.99	0.21	10	01/09/23 10:08	01/13/23 12:24	7440-47-3	
Cobalt	11.4	mg/kg	0.99	0.11	10	01/09/23 10:08	01/13/23 12:24	7440-48-4	
Copper	7.2	mg/kg	0.99	0.25	10	01/09/23 10:08	01/13/23 12:24	7440-50-8	
Iron	22000	mg/kg	49.5	3.4	10	01/09/23 10:08	01/13/23 12:24	7439-89-6	
Lead	4.4	mg/kg	0.99	0.15	10	01/09/23 10:08	01/13/23 12:24	7439-92-1	
Manganese	881	mg/kg	0.99	0.20	10	01/09/23 10:08	01/13/23 12:24	7439-96-5	
Nickel	26.6	mg/kg	0.99	0.14	10	01/09/23 10:08	01/13/23 12:24	7440-02-0	
Selenium	3.1	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	30.8	mg/kg	0.99	0.60	10	01/09/23 10:08	01/13/23 12:24	7440-62-2	
Zinc	32.7	mg/kg	9.9	1.5	10	01/09/23 10:08	01/13/23 12:24	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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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
8260 MSV 5035A VOA 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	

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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
8260 MSV 5035A VOA 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	1.1J	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)	2.8J	ug/kg	5.9	1.4	1	01/10/23 09:13	01/10/23 14:27	1330-20-7	
Surrogates									
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	15.8	%	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-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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	87	%	40-140		1	01/09/23 13:41	01/10/23 10:36	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	52000	mg/kg	21.7	3.9	1	01/09/23 10:08	01/16/23 15:51	7440-70-2	
Magnesium	3740	mg/kg	5.4	1.7	1	01/09/23 10:08	01/16/23 15:51	7439-95-4	
Potassium	3500	mg/kg	54.4	13.8	1	01/09/23 10:08	01/16/23 15:51	7440-09-7	
Sodium	139	mg/kg	54.4	3.6	1	01/09/23 10:08	01/16/23 15:51	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	16500	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	13.1	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 12:28	7440-38-2	
Barium	289	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 12:28	7440-39-3	
Beryllium	0.88	mg/kg	0.54	0.045	10	01/09/23 10:08	01/13/23 12:28	7440-41-7	
Cadmium	0.20J	mg/kg	0.54	0.18	10	01/09/23 10:08	01/13/23 12:28	7440-43-9	
Chromium	21.0	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 12:28	7440-47-3	
Cobalt	13.5	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 12:28	7440-48-4	
Copper	22.1	mg/kg	1.1	0.28	10	01/09/23 10:08	01/13/23 12:28	7440-50-8	
Iron	34300	mg/kg	54.4	3.8	10	01/09/23 10:08	01/13/23 12:28	7439-89-6	
Lead	17.9	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 12:28	7439-92-1	
Manganese	1660	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:28	7439-96-5	
Nickel	26.4	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 12:28	7440-02-0	
Selenium	4.4	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	30.3	mg/kg	1.1	0.66	10	01/09/23 10:08	01/13/23 12:28	7440-62-2	
Zinc	34.4	mg/kg	10.9	1.6	10	01/09/23 10:08	01/13/23 12:28	7440-66-6	
7471 Mercury									
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	

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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
8270 MSSV Semivolatiles									
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	

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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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA 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	

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
8260 MSV 5035A VOA 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	
Surrogates									
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	11.6	%	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-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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	86	%	40-140		1	01/09/23 13:41	01/10/23 10:44	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	62500	mg/kg	22.6	4.1	1	01/09/23 10:08	01/16/23 15:59	7440-70-2	
Magnesium	14000	mg/kg	5.7	1.7	1	01/09/23 10:08	01/16/23 15:59	7439-95-4	
Potassium	7470	mg/kg	56.6	14.4	1	01/09/23 10:08	01/16/23 15:59	7440-09-7	
Sodium	415	mg/kg	56.6	3.7	1	01/09/23 10:08	01/16/23 15:59	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	21100	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	1.3	mg/kg	1.1	0.26	10	01/09/23 10:08	01/13/23 12:35	7440-38-2	
Barium	88.5	mg/kg	1.1	0.37	10	01/09/23 10:08	01/13/23 12:35	7440-39-3	
Beryllium	1.1	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	28.1	mg/kg	1.1	0.24	10	01/09/23 10:08	01/13/23 12:35	7440-47-3	
Cobalt	10.2	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 12:35	7440-48-4	
Copper	9.7	mg/kg	1.1	0.29	10	01/09/23 10:08	01/13/23 12:35	7440-50-8	
Iron	24500	mg/kg	56.6	3.9	10	01/09/23 10:08	01/13/23 12:35	7439-89-6	
Lead	4.7	mg/kg	1.1	0.18	10	01/09/23 10:08	01/13/23 12:35	7439-92-1	
Manganese	869	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 12:35	7439-96-5	
Nickel	31.6	mg/kg	1.1	0.16	10	01/09/23 10:08	01/13/23 12:35	7440-02-0	
Selenium	3.1	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	28.3	mg/kg	1.1	0.68	10	01/09/23 10:08	01/13/23 12:35	7440-62-2	
Zinc	38.6	mg/kg	11.3	1.7	10	01/09/23 10:08	01/13/23 12:35	7440-66-6	
7471 Mercury									
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	

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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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA 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)	1.6J	ug/kg	5.0	1.1	1	01/10/23 09:13	01/10/23 14:43	1330-20-7	
Surrogates									
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	13.4	%	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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	90	%	40-140		1	01/09/23 13:41	01/10/23 10:53	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	5880	mg/kg	18.4	3.3	1	01/09/23 10:08	01/16/23 16:01	7440-70-2	
Magnesium	3550	mg/kg	4.6	1.4	1	01/09/23 10:08	01/16/23 16:01	7439-95-4	
Potassium	4730	mg/kg	45.9	11.7	1	01/09/23 10:08	01/16/23 16:01	7440-09-7	
Sodium	70.9	mg/kg	45.9	3.0	1	01/09/23 10:08	01/16/23 16:01	7440-23-5	B
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	25100	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	6.2	mg/kg	0.92	0.21	10	01/09/23 10:08	01/13/23 12:38	7440-38-2	
Barium	234	mg/kg	0.92	0.30	10	01/09/23 10:08	01/13/23 12:38	7440-39-3	
Beryllium	1.0	mg/kg	0.46	0.038	10	01/09/23 10:08	01/13/23 12:38	7440-41-7	
Cadmium	0.24J	mg/kg	0.46	0.15	10	01/09/23 10:08	01/13/23 12:38	7440-43-9	
Chromium	24.0	mg/kg	0.92	0.19	10	01/09/23 10:08	01/13/23 12:38	7440-47-3	
Cobalt	11.1	mg/kg	0.92	0.099	10	01/09/23 10:08	01/13/23 12:38	7440-48-4	
Copper	17.8	mg/kg	0.92	0.23	10	01/09/23 10:08	01/13/23 12:38	7440-50-8	
Iron	23900	mg/kg	45.9	3.2	10	01/09/23 10:08	01/13/23 12:38	7439-89-6	
Lead	18.3	mg/kg	0.92	0.14	10	01/09/23 10:08	01/13/23 12:38	7439-92-1	
Manganese	1050	mg/kg	0.92	0.19	10	01/09/23 10:08	01/13/23 12:38	7439-96-5	
Nickel	25.2	mg/kg	0.92	0.13	10	01/09/23 10:08	01/13/23 12:38	7440-02-0	
Selenium	4.2	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	33.4	mg/kg	0.92	0.56	10	01/09/23 10:08	01/13/23 12:38	7440-62-2	
Zinc	65.0	mg/kg	9.2	1.4	10	01/09/23 10:08	01/13/23 12:38	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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	

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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	77.2	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)	10.1J	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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA 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	
Surrogates									
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	18.7	%	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 (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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	90	%	40-140		1	01/09/23 13:41	01/10/23 11:01	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
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	
6020 MET ICPMS									
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	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA									
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	
Surrogates									
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	13.5	%	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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	84	%	40-140		1	01/09/23 13:41	01/10/23 15:58	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	2930	mg/kg	23.9	4.3	1	01/09/23 10:08	01/16/23 16:05	7440-70-2	
Magnesium	5890	mg/kg	6.0	1.8	1	01/09/23 10:08	01/16/23 16:05	7439-95-4	
Potassium	5710	mg/kg	59.8	15.2	1	01/09/23 10:08	01/16/23 16:05	7440-09-7	
Sodium	272	mg/kg	59.8	3.9	1	01/09/23 10:08	01/16/23 16:05	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	43600	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	7.7	mg/kg	1.2	0.28	10	01/09/23 10:08	01/13/23 12:45	7440-38-2	
Barium	259	mg/kg	1.2	0.39	10	01/09/23 10:08	01/13/23 12:45	7440-39-3	
Beryllium	1.4	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	36.7	mg/kg	1.2	0.25	10	01/09/23 10:08	01/13/23 12:45	7440-47-3	
Cobalt	10.5	mg/kg	1.2	0.13	10	01/09/23 10:08	01/13/23 12:45	7440-48-4	
Copper	18.4	mg/kg	1.2	0.30	10	01/09/23 10:08	01/13/23 12:45	7440-50-8	
Iron	32600	mg/kg	59.8	4.2	10	01/09/23 10:08	01/13/23 12:45	7439-89-6	
Lead	14.3	mg/kg	1.2	0.19	10	01/09/23 10:08	01/13/23 12:45	7439-92-1	
Manganese	681	mg/kg	1.2	0.25	10	01/09/23 10:08	01/13/23 12:45	7439-96-5	
Nickel	30.4	mg/kg	1.2	0.17	10	01/09/23 10:08	01/13/23 12:45	7440-02-0	
Selenium	4.3	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	47.0	mg/kg	1.2	0.72	10	01/09/23 10:08	01/13/23 12:45	7440-62-2	
Zinc	56.0	mg/kg	12.0	1.8	10	01/09/23 10:08	01/13/23 12:45	7440-66-6	
7471 Mercury									
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	

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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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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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
8260 MSV 5035A VOA 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	

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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
8260 MSV 5035A VOA 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	
Surrogates									
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	19.6	%	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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	100	%	40-140		1	01/09/23 13:41	01/10/23 11:25	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	95600	mg/kg	21.5	3.9	1	01/09/23 10:08	01/16/23 16:07	7440-70-2	
Magnesium	14800	mg/kg	5.4	1.6	1	01/09/23 10:08	01/16/23 16:07	7439-95-4	
Potassium	6850	mg/kg	53.6	13.6	1	01/09/23 10:08	01/16/23 16:07	7440-09-7	
Sodium	450	mg/kg	53.6	3.5	1	01/09/23 10:08	01/16/23 16:07	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	19100	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	1.9	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 12:48	7440-38-2	
Barium	73.8	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 12:48	7440-39-3	
Beryllium	0.98	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	23.2	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:48	7440-47-3	
Cobalt	8.4	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 12:48	7440-48-4	
Copper	15.8	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 12:48	7440-50-8	
Iron	19900	mg/kg	53.6	3.7	10	01/09/23 10:08	01/13/23 12:48	7439-89-6	
Lead	6.3	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 12:48	7439-92-1	
Manganese	868	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 12:48	7439-96-5	
Nickel	24.2	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 12:48	7440-02-0	
Selenium	3.0	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	24.3	mg/kg	1.1	0.65	10	01/09/23 10:08	01/13/23 12:48	7440-62-2	
Zinc	34.4	mg/kg	10.7	1.6	10	01/09/23 10:08	01/13/23 12:48	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA 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	1.1J	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)	2.6J	ug/kg	5.4	1.2	1	01/10/23 09:13	01/10/23 11:28	1330-20-7	
Surrogates									
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	12.1	%	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 (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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	99	%	40-140		1	01/09/23 13:41	01/10/23 11:50	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	3160	mg/kg	20.6	3.7	1	01/09/23 10:08	01/16/23 16:09	7440-70-2	
Magnesium	6590	mg/kg	5.2	1.6	1	01/09/23 10:08	01/16/23 16:09	7439-95-4	
Potassium	3300	mg/kg	51.6	13.1	1	01/09/23 10:08	01/16/23 16:09	7440-09-7	
Sodium	967	mg/kg	51.6	3.4	1	01/09/23 10:08	01/16/23 16:09	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	28400	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	6.9	mg/kg	1.0	0.24	10	01/09/23 10:08	01/13/23 12:55	7440-38-2	
Barium	240	mg/kg	1.0	0.34	10	01/09/23 10:08	01/13/23 12:55	7440-39-3	
Beryllium	1.3	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	28.5	mg/kg	1.0	0.22	10	01/09/23 10:08	01/13/23 12:55	7440-47-3	
Cobalt	14.0	mg/kg	1.0	0.11	10	01/09/23 10:08	01/13/23 12:55	7440-48-4	
Copper	19.6	mg/kg	1.0	0.26	10	01/09/23 10:08	01/13/23 12:55	7440-50-8	
Iron	28800	mg/kg	51.6	3.6	10	01/09/23 10:08	01/13/23 12:55	7439-89-6	
Lead	11.5	mg/kg	1.0	0.16	10	01/09/23 10:08	01/13/23 12:55	7439-92-1	
Manganese	801	mg/kg	1.0	0.21	10	01/09/23 10:08	01/13/23 12:55	7439-96-5	
Nickel	37.6	mg/kg	1.0	0.14	10	01/09/23 10:08	01/13/23 12:55	7440-02-0	
Selenium	4.3	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	27.7	mg/kg	1.0	0.62	10	01/09/23 10:08	01/13/23 12:55	7440-62-2	
Zinc	48.0	mg/kg	10.3	1.5	10	01/09/23 10:08	01/13/23 12:55	7440-66-6	
7471 Mercury									
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	

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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
8270 MSSV Semivolatiles									
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	

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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA									
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
8260 MSV 5035A VOA 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	
Surrogates									
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	17.9	%	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 (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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	99	%	40-140		1	01/09/23 13:41	01/10/23 11:58	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
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	
6020 MET ICPMS									
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	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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	

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
8270 MSSV Semivolatiles									
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	
Surrogates									
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
8260 MSV 5035A VOA									
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
8260 MSV 5035A VOA 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	
Surrogates									
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	23.0	%	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 (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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	100	%	40-140		1	01/09/23 13:41	01/10/23 12:07	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	171000	mg/kg	63.6	11.5	3	01/09/23 10:08	01/17/23 10:15	7440-70-2	
Magnesium	14500	mg/kg	5.3	1.6	1	01/09/23 10:08	01/16/23 16:13	7439-95-4	
Potassium	6460	mg/kg	53.0	13.5	1	01/09/23 10:08	01/16/23 16:13	7440-09-7	
Sodium	509	mg/kg	53.0	3.5	1	01/09/23 10:08	01/16/23 16:13	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	17200	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	1.2	mg/kg	1.1	0.24	10	01/09/23 10:08	01/13/23 13:02	7440-38-2	
Barium	42.3	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 13:02	7440-39-3	
Beryllium	0.77	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	22.3	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:02	7440-47-3	
Cobalt	6.4	mg/kg	1.1	0.11	10	01/09/23 10:08	01/13/23 13:02	7440-48-4	
Copper	7.5	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 13:02	7440-50-8	
Iron	23200	mg/kg	53.0	3.7	10	01/09/23 10:08	01/13/23 13:02	7439-89-6	
Lead	4.5	mg/kg	1.1	0.16	10	01/09/23 10:08	01/13/23 13:02	7439-92-1	
Manganese	1010	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:02	7439-96-5	
Nickel	21.3	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:02	7440-02-0	
Selenium	2.5	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	20.0	mg/kg	1.1	0.64	10	01/09/23 10:08	01/13/23 13:02	7440-62-2	
Zinc	28.8	mg/kg	10.6	1.6	10	01/09/23 10:08	01/13/23 13:02	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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	

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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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA 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	0.75J	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)	1.9J	ug/kg	5.3	1.2	1	01/10/23 09:13	01/10/23 14:59	1330-20-7	
Surrogates									
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	11.0	%	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-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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	93	%	40-140		1	01/09/23 13:41	01/10/23 12:15	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	2650	mg/kg	22.1	4.0	1	01/09/23 10:08	01/16/23 16:15	7440-70-2	
Magnesium	6500	mg/kg	5.5	1.7	1	01/09/23 10:08	01/16/23 16:15	7439-95-4	
Potassium	3350	mg/kg	55.3	14.1	1	01/09/23 10:08	01/16/23 16:15	7440-09-7	
Sodium	491	mg/kg	55.3	3.7	1	01/09/23 10:08	01/16/23 16:15	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	25500	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	7.9	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 13:06	7440-38-2	
Barium	248	mg/kg	1.1	0.36	10	01/09/23 10:08	01/13/23 13:06	7440-39-3	
Beryllium	1.2	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	27.2	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 13:06	7440-47-3	
Cobalt	18.8	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 13:06	7440-48-4	
Copper	18.5	mg/kg	1.1	0.28	10	01/09/23 10:08	01/13/23 13:06	7440-50-8	
Iron	27800	mg/kg	55.3	3.9	10	01/09/23 10:08	01/13/23 13:06	7439-89-6	
Lead	15.1	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 13:06	7439-92-1	
Manganese	1510	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 13:06	7439-96-5	
Nickel	41.9	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:06	7440-02-0	
Selenium	4.5	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	32.7	mg/kg	1.1	0.67	10	01/09/23 10:08	01/13/23 13:06	7440-62-2	
Zinc	47.3	mg/kg	11.1	1.7	10	01/09/23 10:08	01/13/23 13:06	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles 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	

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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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA									
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	
Surrogates									
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	19.3	%	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-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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	93	%	40-140		1	01/09/23 13:41	01/10/23 12:23	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	173000	mg/kg	64.9	11.8	3	01/09/23 10:08	01/17/23 10:17	7440-70-2	
Magnesium	15600	mg/kg	5.4	1.7	1	01/09/23 10:08	01/16/23 16:24	7439-95-4	
Potassium	6760	mg/kg	54.1	13.7	1	01/09/23 10:08	01/16/23 16:24	7440-09-7	
Sodium	606	mg/kg	54.1	3.6	1	01/09/23 10:08	01/16/23 16:24	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	18700	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	1.6	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 13:09	7440-38-2	
Barium	87.7	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 13:09	7440-39-3	
Beryllium	1.0	mg/kg	0.54	0.045	10	01/09/23 10:08	01/13/23 13:09	7440-41-7	
Cadmium	0.19J	mg/kg	0.54	0.17	10	01/09/23 10:08	01/13/23 13:09	7440-43-9	
Chromium	25.4	mg/kg	1.1	0.23	10	01/09/23 10:08	01/13/23 13:09	7440-47-3	
Cobalt	12.8	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 13:09	7440-48-4	
Copper	9.7	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 13:09	7440-50-8	
Iron	26200	mg/kg	54.1	3.8	10	01/09/23 10:08	01/13/23 13:09	7439-89-6	
Lead	8.0	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 13:09	7439-92-1	
Manganese	1360	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:09	7439-96-5	
Nickel	29.7	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:09	7440-02-0	
Selenium	3.0	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	25.7	mg/kg	1.1	0.65	10	01/09/23 10:08	01/13/23 13:09	7440-62-2	
Zinc	34.0	mg/kg	10.8	1.6	10	01/09/23 10:08	01/13/23 13:09	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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
8260 MSV 5035A VOA 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	

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
8260 MSV 5035A VOA									
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)	1.8J	ug/kg	5.2	1.2	1	01/10/23 09:13	01/10/23 15:15	1330-20-7	
Surrogates									
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	11.1	%	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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	80	%	40-140		1	01/09/23 13:41	01/10/23 12:31	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	5500	mg/kg	64.0	11.6	3	01/09/23 10:08	01/17/23 10:19	7440-70-2	
Magnesium	6250	mg/kg	16.0	4.9	3	01/09/23 10:08	01/17/23 10:19	7439-95-4	
Potassium	3550	mg/kg	160	40.6	3	01/09/23 10:08	01/17/23 10:19	7440-09-7	
Sodium	292	mg/kg	160	10.6	3	01/09/23 10:08	01/17/23 10:19	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	22800	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	13.5	mg/kg	1.1	0.25	10	01/09/23 10:08	01/13/23 13:16	7440-38-2	
Barium	495	mg/kg	1.1	0.35	10	01/09/23 10:08	01/13/23 13:16	7440-39-3	
Beryllium	1.5	mg/kg	0.53	0.044	10	01/09/23 10:08	01/13/23 13:16	7440-41-7	
Cadmium	0.65	mg/kg	0.53	0.17	10	01/09/23 10:08	01/13/23 13:16	7440-43-9	
Chromium	32.5	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:16	7440-47-3	
Cobalt	19.3	mg/kg	1.1	0.12	10	01/09/23 10:08	01/13/23 13:16	7440-48-4	
Copper	42.7	mg/kg	1.1	0.27	10	01/09/23 10:08	01/13/23 13:16	7440-50-8	
Iron	93000	mg/kg	53.3	3.7	10	01/09/23 10:08	01/13/23 13:16	7439-89-6	
Lead	21.8	mg/kg	1.1	0.17	10	01/09/23 10:08	01/13/23 13:16	7439-92-1	
Manganese	3690	mg/kg	1.1	0.22	10	01/09/23 10:08	01/13/23 13:16	7439-96-5	
Nickel	46.5	mg/kg	1.1	0.15	10	01/09/23 10:08	01/13/23 13:16	7440-02-0	
Selenium	10.3	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	63.6	mg/kg	1.1	0.65	10	01/09/23 10:08	01/13/23 13:16	7440-62-2	
Zinc	60.6	mg/kg	10.7	1.6	10	01/09/23 10:08	01/13/23 13:16	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles 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	

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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	58.5	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)	7.6J	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
8260 MSV 5035A VOA 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	

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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
8260 MSV 5035A VOA 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	
Surrogates									
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	13.2	%	0.50	0.50	1		01/09/23 11:41		
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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-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
KS MRH/HRH									
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		
Surrogates									
1-Chloro-octadecane (S)	80	%	40-140		1	01/09/23 13:41	01/10/23 12:39	3386-33-2	
LRH (C5 - C8) Soil									
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		
Surrogates									
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	
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Calcium	160000	mg/kg	52.3	9.5	3	01/09/23 10:08	01/17/23 10:21	7440-70-2	
Magnesium	28900	mg/kg	4.4	1.3	1	01/09/23 10:08	01/16/23 16:28	7439-95-4	
Potassium	5280	mg/kg	43.5	11.1	1	01/09/23 10:08	01/16/23 16:28	7440-09-7	
Sodium	711	mg/kg	43.5	2.9	1	01/09/23 10:08	01/16/23 16:28	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Kansas City									
Aluminum	14700	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	1.0	mg/kg	0.87	0.20	10	01/09/23 10:08	01/13/23 13:19	7440-38-2	
Barium	94.2	mg/kg	0.87	0.28	10	01/09/23 10:08	01/13/23 13:19	7440-39-3	
Beryllium	0.78	mg/kg	0.44	0.036	10	01/09/23 10:08	01/13/23 13:19	7440-41-7	
Cadmium	0.16J	mg/kg	0.44	0.14	10	01/09/23 10:08	01/13/23 13:19	7440-43-9	
Chromium	18.8	mg/kg	0.87	0.18	10	01/09/23 10:08	01/13/23 13:19	7440-47-3	
Cobalt	8.6	mg/kg	0.87	0.094	10	01/09/23 10:08	01/13/23 13:19	7440-48-4	
Copper	8.1	mg/kg	0.87	0.22	10	01/09/23 10:08	01/13/23 13:19	7440-50-8	
Iron	22800	mg/kg	43.5	3.0	10	01/09/23 10:08	01/13/23 13:19	7439-89-6	
Lead	5.5	mg/kg	0.87	0.13	10	01/09/23 10:08	01/13/23 13:19	7439-92-1	
Manganese	1690	mg/kg	0.87	0.18	10	01/09/23 10:08	01/13/23 13:19	7439-96-5	
Nickel	20.5	mg/kg	0.87	0.12	10	01/09/23 10:08	01/13/23 13:19	7440-02-0	
Selenium	2.4	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	19.9	mg/kg	0.87	0.53	10	01/09/23 10:08	01/13/23 13:19	7440-62-2	
Zinc	29.9	mg/kg	8.7	1.3	10	01/09/23 10:08	01/13/23 13:19	7440-66-6	
7471 Mercury									
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
8270 MSSV Semivolatiles									
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
8270 MSSV Semivolatiles									
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	
Surrogates									
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	

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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
8260 MSV 5035A VOA 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	

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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
8260 MSV 5035A VOA 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)	2.0J	ug/kg	6.4	1.5	1	01/10/23 09:13	01/10/23 15:31	1330-20-7	
Surrogates									
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	14.3	%	0.50	0.50	1		01/09/23 11:41		
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REPORT OF LABORATORY ANALYSIS

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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
8260 MSV 5035A VOA 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	

REPORT OF LABORATORY ANALYSIS

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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
8260 MSV 5035A VOA 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	
Surrogates									
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
8260 MSV 5035A VOA 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
8260 MSV 5035A VOA									
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	
Surrogates									
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	

REPORT OF LABORATORY ANALYSIS

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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			

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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 Conc.	Spike Conc.								
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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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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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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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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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
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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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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REPORT OF LABORATORY ANALYSIS

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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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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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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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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 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

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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: 3282701				3282702								
Parameter	Units	60419376005	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
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

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	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		

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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 01/06

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MO</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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-and-conditions.pdf>.

Page: 2 of 2

Section A		Section B		Section C		Page : 2 of 2
Required Client Information:		Required Project Information:		Invoice Information:		
Company:	TETRA TECH EMI	Report To:	Kaitlyn Mitchell	Attention:		
Address:	415 Oak	Copy To:		Company Name:		
	Kansas City, MO 64106			Address:		
Email:	kaitlyn.mitchell@tetratech.com	Purchase Order #:		Peace Quote:		Regulatory Agency
Phone:	(816)412-1742	Project Name:	Goldfinch Mechanic Site (SL)	Peace Profile Manager:	jamie.church@pacelabs.com,	
Fax:		Project #:		Peace Profile #:	8083, line 1	State / Location
Requested Due Date:						

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*60207471	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: Macy La Masney										
SIGNATURE of SAMPLER: 										
DATE Signed: 1/6/23										
							TEMP in C	Received on	Custody (Y/N)	Samples (Y/N)

Pg 1/2

Client: TETRA TECH EM1

8083 - 1

Profile #

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	JG5U	WG5U	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other	BP8V
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
DG9H	40mL HCl amber vial	WG5U	4oz clear soil jar	BP1N	1L HNO3 plastic
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic
DG9Q	40mL TSP amber vial	JG5U	4oz unpreserved amber wide	BP1U	1L unpreserved plastic
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NAOH plastic
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic
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
BG3H	250mL HCl Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3J	250mL unpreserved plastic
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate
				BP4U	125mL unpreserved plastic
				BP4N	125mL HNO3 plastic
				BP4S	125mL H2SO4 plastic
				WPDU	16oz unpreserved plastic

Work Order Number:

60419376

Pg 2/2

Profile # 8083-1

Client: TETRA TECH EM1

Site: GOLD FINCH MECHANIC SITE (SL)

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	
1							3	2								2														BP8U	
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		3	2								2														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 HNO3 plastic - field filtered																										
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic																										
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic																										
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic																										
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate																										
				BP4U	125mL unpreserved plastic																										
				BP4N	125mL HNO3 plastic																										
				BP4S	125mL H2SO4 plastic																										
				WPDU	16oz unpreserved plastic																										

Work Order Number:

60419376

January 31, 2023

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

RE: Project: GOLDFINCH MECHANIC SITE (AIR)
Pace Project No.: 60419575

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on January 10, 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 National - Mt. Juliet

REV-1, 1/31/23: Receipt date updated on report and sample receipt checklist added to the Chain of Custody.

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 (AIR)

Pace Project No.: 60419575

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122

Alabama Certification #: 40660

Alaska Certification #: 17-026

Arizona Certification #: AZ0612

Arkansas Certification #: 88-0469

California Certification #: 2932

Canada Certification #: 1461.01

Colorado Certification #: TN00003

Connecticut Certification #: PH-0197

DOD Certification #: #1461.01

EPA# TN00003

Florida Certification #: E87487

Georgia DW Certification #: 923

Georgia Certification: NELAP

Idaho Certification #: TN00003

Illinois Certification #: 200008

Indiana Certification #: C-TN-01

Iowa Certification #: 364

Kansas Certification #: E-10277

Kentucky UST Certification #: 16

Kentucky Certification #: 90010

Louisiana Certification #: AI30792

Louisiana DW Certification #: LA180010

Maine Certification #: TN0002

Maryland Certification #: 324

Massachusetts Certification #: M-TN003

Michigan Certification #: 9958

Minnesota Certification #: 047-999-395

Mississippi Certification #: TN00003

Missouri Certification #: 340

Montana Certification #: CERT0086

Nebraska Certification #: NE-OS-15-05

Nevada Certification #: TN-03-2002-34

New Hampshire Certification #: 2975

New Jersey Certification #: TN002

New Mexico DW Certification

New York Certification #: 11742

North Carolina Aquatic Toxicity Certification #: 41

North Carolina Drinking Water Certification #: 21704

North Carolina Environmental Certificate #: 375

North Dakota Certification #: R-140

Ohio VAP Certification #: CL0069

Oklahoma Certification #: 9915

Oregon Certification #: TN200002

Pennsylvania Certification #: 68-02979

Rhode Island Certification #: LAO00356

South Carolina Certification #: 84004

South Dakota Certification

Tennessee DW/Chem/Micro Certification #: 2006

Texas Certification #: T 104704245-17-14

Texas Mold Certification #: LAB0152

USDA Soil Permit #: P330-15-00234

Utah Certification #: TN00003

Virginia Certification #: VT2006

Vermont Dept. of Health: ID# VT-2006

Virginia Certification #: 460132

Washington Certification #: C847

West Virginia Certification #: 233

Wisconsin Certification #: 998093910

Wyoming UST Certification #: via A2LA 2926.01

A2LA-ISO 17025 Certification #: 1461.01

A2LA-ISO 17025 Certification #: 1461.02

AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60419575001	SG-1	Air	01/04/23 14:00	01/10/23 09:00
60419575002	SG-2	Air	01/04/23 15:14	01/10/23 09:00
60419575003	SG-3	Air	01/04/23 16:10	01/10/23 09:00
60419575004	SG-4	Air	01/05/23 09:30	01/10/23 09:00
60419575005	SG-5	Air	01/05/23 10:40	01/10/23 09:00
60419575006	SG-6	Air	01/05/23 11:42	01/10/23 09:00
60419575007	SG-7	Air	01/05/23 12:52	01/10/23 09:00
60419575008	SG-8	Air	01/05/23 14:18	01/10/23 09:00

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SAMPLE ANALYTE COUNT

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60419575001	SG-1	TO-15	CEP, DAH	70	PAN
60419575002	SG-2	TO-15	CEP, DAH	70	PAN
60419575003	SG-3	TO-15	CEP, DAH	70	PAN
60419575004	SG-4	TO-15	CEP, DAH	70	PAN
60419575005	SG-5	TO-15	CEP, DAH	70	PAN
60419575006	SG-6	TO-15	CEP, DAH	70	PAN
60419575007	SG-7	TO-15	CEP, DAH	70	PAN
60419575008	SG-8	TO-15	CEP, DAH	70	PAN

PAN = Pace National - Mt. Juliet

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-1		Lab ID: 60419575001		Collected: 01/04/23 14:00		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	496J	ug/m3	826	164	1	01/11/23 17:54	01/11/23 17:54	8006-61-9	B,J
Acetone	44.9	ug/m3	2.97	1.39	1	01/11/23 17:54	01/11/23 17:54	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 17:54	01/11/23 17:54	107-05-1	L0
Benzene	6.77	ug/m3	0.639	0.228	1	01/11/23 17:54	01/11/23 17:54	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 17:54	01/11/23 17:54	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 17:54	01/11/23 17:54	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 17:54	01/11/23 17:54	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 17:54	01/11/23 17:54	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 17:54	01/11/23 17:54	106-99-0	
Carbon disulfide	100	ug/m3	0.622	0.317	1	01/11/23 17:54	01/11/23 17:54	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 17:54	01/11/23 17:54	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 17:54	01/11/23 17:54	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 17:54	01/11/23 17:54	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 17:54	01/11/23 17:54	67-66-3	
Chloromethane	0.960	ug/m3	0.413	0.213	1	01/11/23 17:54	01/11/23 17:54	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 17:54	01/11/23 17:54	95-49-8	
Cyclohexane	0.919	ug/m3	0.689	0.259	1	01/11/23 17:54	01/11/23 17:54	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 17:54	01/11/23 17:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 17:54	01/11/23 17:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 17:54	01/11/23 17:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 17:54	01/11/23 17:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 17:54	01/11/23 17:54	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 17:54	01/11/23 17:54	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 17:54	01/11/23 17:54	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 17:54	01/11/23 17:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 17:54	01/11/23 17:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/12/23 22:53	01/12/23 22:53	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 17:54	01/11/23 17:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 17:54	01/11/23 17:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 17:54	01/11/23 17:54	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 17:54	01/11/23 17:54	123-91-1	
Ethanol	4.77	ug/m3	2.36	0.500	1	01/11/23 17:54	01/11/23 17:54	64-17-5	
Ethylbenzene	2.55	ug/m3	0.867	0.362	1	01/11/23 17:54	01/11/23 17:54	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 17:54	01/11/23 17:54	141-78-6	
4-Ethyltoluene	1.10	ug/m3	0.982	0.384	1	01/11/23 17:54	01/11/23 17:54	622-96-8	
Trichlorofluoromethane	0.725J	ug/m3	1.12	0.460	1	01/11/23 17:54	01/11/23 17:54	75-69-4	J
Dichlorodifluoromethane	1.75	ug/m3	0.989	0.678	1	01/11/23 17:54	01/11/23 17:54	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 17:54	01/11/23 17:54	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 17:54	01/11/23 17:54	76-14-2	
n-Heptane	1.64	ug/m3	0.818	0.425	1	01/11/23 17:54	01/11/23 17:54	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 17:54	01/11/23 17:54	87-68-3	
n-Hexane	2.25	ug/m3	2.22	0.726	1	01/11/23 17:54	01/11/23 17:54	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 17:54	01/11/23 17:54	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 17:54	01/11/23 17:54	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 17:54	01/11/23 17:54	591-78-6	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-1		Lab ID: 60419575001		Collected: 01/04/23 14:00		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	10.9	ug/m3	3.69	0.240	1	01/11/23 17:54	01/11/23 17:54	78-93-3	
4-Methyl-2-pentanone (MIBK)	2.06J	ug/m3	5.12	0.313	1	01/11/23 17:54	01/11/23 17:54	108-10-1	J
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 17:54	01/11/23 17:54	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 17:54	01/11/23 17:54	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 17:54	01/11/23 17:54	91-20-3	
2-Propanol	2.09J	ug/m3	3.07	0.649	1	01/11/23 17:54	01/11/23 17:54	67-63-0	J
Propylene	31.5	ug/m3	2.15	0.160	1	01/11/23 17:54	01/11/23 17:54	115-07-1	
Styrene	0.719J	ug/m3	0.851	0.335	1	01/11/23 17:54	01/11/23 17:54	100-42-5	J
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 17:54	01/11/23 17:54	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 17:54	01/11/23 17:54	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 17:54	01/11/23 17:54	109-99-9	
Toluene	6.25	ug/m3	1.88	0.328	1	01/11/23 17:54	01/11/23 17:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 17:54	01/11/23 17:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 17:54	01/11/23 17:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 17:54	01/11/23 17:54	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 17:54	01/11/23 17:54	79-01-6	
1,2,4-Trimethylbenzene	4.55	ug/m3	0.982	0.375	1	01/11/23 17:54	01/11/23 17:54	95-63-6	
1,3,5-Trimethylbenzene	1.08	ug/m3	0.982	0.382	1	01/11/23 17:54	01/11/23 17:54	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 17:54	01/11/23 17:54	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 17:54	01/11/23 17:54	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 17:54	01/11/23 17:54	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 17:54	01/11/23 17:54	108-05-4	
m&p-Xylene	6.50	ug/m3	1.73	0.585	1	01/11/23 17:54	01/11/23 17:54	179601-23-1	
o-Xylene	2.90	ug/m3	0.867	0.359	1	01/11/23 17:54	01/11/23 17:54	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	98.6	%	60.0-140		1	01/11/23 17:54	01/11/23 17:54	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	96.1	%	60.0-140		1	01/12/23 22:53	01/12/23 22:53	3855-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-2		Lab ID: 60419575002		Collected: 01/04/23 15:14		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	558J	ug/m3	826	164	1	01/11/23 18:24	01/11/23 18:24	8006-61-9	B,J
Acetone	24.0	ug/m3	2.97	1.39	1	01/11/23 18:24	01/11/23 18:24	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 18:24	01/11/23 18:24	107-05-1	L0
Benzene	3.02	ug/m3	0.639	0.228	1	01/11/23 18:24	01/11/23 18:24	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 18:24	01/11/23 18:24	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 18:24	01/11/23 18:24	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 18:24	01/11/23 18:24	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 18:24	01/11/23 18:24	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 18:24	01/11/23 18:24	106-99-0	
Carbon disulfide	0.934	ug/m3	0.622	0.317	1	01/11/23 18:24	01/11/23 18:24	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 18:24	01/11/23 18:24	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 18:24	01/11/23 18:24	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 18:24	01/11/23 18:24	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 18:24	01/11/23 18:24	67-66-3	
Chloromethane	0.663	ug/m3	0.413	0.213	1	01/11/23 18:24	01/11/23 18:24	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 18:24	01/11/23 18:24	95-49-8	
Cyclohexane	0.789	ug/m3	0.689	0.259	1	01/11/23 18:24	01/11/23 18:24	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 18:24	01/11/23 18:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 18:24	01/11/23 18:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 18:24	01/11/23 18:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 18:24	01/11/23 18:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 18:24	01/11/23 18:24	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 18:24	01/11/23 18:24	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 18:24	01/11/23 18:24	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 18:24	01/11/23 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 18:24	01/11/23 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/12/23 23:21	01/12/23 23:21	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 18:24	01/11/23 18:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 18:24	01/11/23 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 18:24	01/11/23 18:24	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 18:24	01/11/23 18:24	123-91-1	
Ethanol	10.0	ug/m3	2.36	0.500	1	01/11/23 18:24	01/11/23 18:24	64-17-5	
Ethylbenzene	1.27	ug/m3	0.867	0.362	1	01/11/23 18:24	01/11/23 18:24	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 18:24	01/11/23 18:24	141-78-6	
4-Ethyltoluene	0.618J	ug/m3	0.982	0.384	1	01/11/23 18:24	01/11/23 18:24	622-96-8	J
Trichlorofluoromethane	0.804J	ug/m3	1.12	0.460	1	01/11/23 18:24	01/11/23 18:24	75-69-4	J
Dichlorodifluoromethane	1.99	ug/m3	0.989	0.678	1	01/11/23 18:24	01/11/23 18:24	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 18:24	01/11/23 18:24	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 18:24	01/11/23 18:24	76-14-2	
n-Heptane	1.35	ug/m3	0.818	0.425	1	01/11/23 18:24	01/11/23 18:24	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 18:24	01/11/23 18:24	87-68-3	
n-Hexane	2.89	ug/m3	2.22	0.726	1	01/11/23 18:24	01/11/23 18:24	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 18:24	01/11/23 18:24	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 18:24	01/11/23 18:24	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 18:24	01/11/23 18:24	591-78-6	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-2		Lab ID: 60419575002		Collected: 01/04/23 15:14		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	4.72	ug/m3	3.69	0.240	1	01/11/23 18:24	01/11/23 18:24	78-93-3	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 18:24	01/11/23 18:24	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 18:24	01/11/23 18:24	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 18:24	01/11/23 18:24	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 18:24	01/11/23 18:24	91-20-3	
2-Propanol	3.81	ug/m3	3.07	0.649	1	01/11/23 18:24	01/11/23 18:24	67-63-0	
Propylene	20.3	ug/m3	2.15	0.160	1	01/11/23 18:24	01/11/23 18:24	115-07-1	
Styrene	0.829J	ug/m3	0.851	0.335	1	01/11/23 18:24	01/11/23 18:24	100-42-5	J
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 18:24	01/11/23 18:24	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 18:24	01/11/23 18:24	127-18-4	
Tetrahydrofuran	3.39	ug/m3	0.590	0.216	1	01/11/23 18:24	01/11/23 18:24	109-99-9	
Toluene	16.8	ug/m3	1.88	0.328	1	01/11/23 18:24	01/11/23 18:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 18:24	01/11/23 18:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 18:24	01/11/23 18:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 18:24	01/11/23 18:24	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 18:24	01/11/23 18:24	79-01-6	
1,2,4-Trimethylbenzene	4.41	ug/m3	0.982	0.375	1	01/11/23 18:24	01/11/23 18:24	95-63-6	
1,3,5-Trimethylbenzene	0.736J	ug/m3	0.982	0.382	1	01/11/23 18:24	01/11/23 18:24	108-67-8	J
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 18:24	01/11/23 18:24	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 18:24	01/11/23 18:24	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 18:24	01/11/23 18:24	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 18:24	01/11/23 18:24	108-05-4	
m&p-Xylene	2.13	ug/m3	1.73	0.585	1	01/11/23 18:24	01/11/23 18:24	179601-23-1	
o-Xylene	1.07	ug/m3	0.867	0.359	1	01/11/23 18:24	01/11/23 18:24	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	98.5	%	60.0-140		1	01/11/23 18:24	01/11/23 18:24	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	96.7	%	60.0-140		1	01/12/23 23:21	01/12/23 23:21	3855-82-1	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-3		Lab ID: 60419575003		Collected: 01/04/23 16:10		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	508J	ug/m3	826	164	1	01/11/23 18:55	01/11/23 18:55	8006-61-9	B,J
Acetone	50.4	ug/m3	2.97	1.39	1	01/11/23 18:55	01/11/23 18:55	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 18:55	01/11/23 18:55	107-05-1	L0
Benzene	7.44	ug/m3	0.639	0.228	1	01/11/23 18:55	01/11/23 18:55	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 18:55	01/11/23 18:55	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 18:55	01/11/23 18:55	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 18:55	01/11/23 18:55	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 18:55	01/11/23 18:55	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 18:55	01/11/23 18:55	106-99-0	
Carbon disulfide	0.598J	ug/m3	0.622	0.317	1	01/11/23 18:55	01/11/23 18:55	75-15-0	J
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 18:55	01/11/23 18:55	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 18:55	01/11/23 18:55	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 18:55	01/11/23 18:55	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 18:55	01/11/23 18:55	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	01/11/23 18:55	01/11/23 18:55	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 18:55	01/11/23 18:55	95-49-8	
Cyclohexane	3.30	ug/m3	0.689	0.259	1	01/11/23 18:55	01/11/23 18:55	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 18:55	01/11/23 18:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 18:55	01/11/23 18:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 18:55	01/11/23 18:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 18:55	01/11/23 18:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 18:55	01/11/23 18:55	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 18:55	01/11/23 18:55	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 18:55	01/11/23 18:55	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 18:55	01/11/23 18:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 18:55	01/11/23 18:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/12/23 23:49	01/12/23 23:49	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 18:55	01/11/23 18:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 18:55	01/11/23 18:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 18:55	01/11/23 18:55	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 18:55	01/11/23 18:55	123-91-1	
Ethanol	2.70	ug/m3	2.36	0.500	1	01/11/23 18:55	01/11/23 18:55	64-17-5	
Ethylbenzene	4.33	ug/m3	0.867	0.362	1	01/11/23 18:55	01/11/23 18:55	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 18:55	01/11/23 18:55	141-78-6	
4-Ethyltoluene	ND	ug/m3	0.982	0.384	1	01/11/23 18:55	01/11/23 18:55	622-96-8	
Trichlorofluoromethane	0.742J	ug/m3	1.12	0.460	1	01/11/23 18:55	01/11/23 18:55	75-69-4	J
Dichlorodifluoromethane	1.76	ug/m3	0.989	0.678	1	01/11/23 18:55	01/11/23 18:55	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 18:55	01/11/23 18:55	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 18:55	01/11/23 18:55	76-14-2	
n-Heptane	3.36	ug/m3	0.818	0.425	1	01/11/23 18:55	01/11/23 18:55	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 18:55	01/11/23 18:55	87-68-3	
n-Hexane	7.65	ug/m3	2.22	0.726	1	01/11/23 18:55	01/11/23 18:55	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 18:55	01/11/23 18:55	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 18:55	01/11/23 18:55	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 18:55	01/11/23 18:55	591-78-6	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-3		Lab ID: 60419575003		Collected: 01/04/23 16:10		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	5.31	ug/m3	3.69	0.240	1	01/11/23 18:55	01/11/23 18:55	78-93-3	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 18:55	01/11/23 18:55	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 18:55	01/11/23 18:55	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 18:55	01/11/23 18:55	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 18:55	01/11/23 18:55	91-20-3	
2-Propanol	17.6	ug/m3	3.07	0.649	1	01/11/23 18:55	01/11/23 18:55	67-63-0	
Propylene	27.0	ug/m3	2.15	0.160	1	01/11/23 18:55	01/11/23 18:55	115-07-1	
Styrene	ND	ug/m3	0.851	0.335	1	01/11/23 18:55	01/11/23 18:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 18:55	01/11/23 18:55	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 18:55	01/11/23 18:55	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 18:55	01/11/23 18:55	109-99-9	
Toluene	8.14	ug/m3	1.88	0.328	1	01/11/23 18:55	01/11/23 18:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 18:55	01/11/23 18:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 18:55	01/11/23 18:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 18:55	01/11/23 18:55	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 18:55	01/11/23 18:55	79-01-6	
1,2,4-Trimethylbenzene	1.88	ug/m3	0.982	0.375	1	01/11/23 18:55	01/11/23 18:55	95-63-6	
1,3,5-Trimethylbenzene	0.452J	ug/m3	0.982	0.382	1	01/11/23 18:55	01/11/23 18:55	108-67-8	J
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 18:55	01/11/23 18:55	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 18:55	01/11/23 18:55	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 18:55	01/11/23 18:55	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 18:55	01/11/23 18:55	108-05-4	
m&p-Xylene	2.14	ug/m3	1.73	0.585	1	01/11/23 18:55	01/11/23 18:55	179601-23-1	
o-Xylene	0.980	ug/m3	0.867	0.359	1	01/11/23 18:55	01/11/23 18:55	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	97.1	%	60.0-140		1	01/11/23 18:55	01/11/23 18:55	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	94.2	%	60.0-140		1	01/12/23 23:49	01/12/23 23:49	3855-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-4		Lab ID: 60419575004		Collected: 01/05/23 09:30		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	541J	ug/m3	826	164	1	01/11/23 19:26	01/11/23 19:26	8006-61-9	B,J
Acetone	53.9	ug/m3	2.97	1.39	1	01/11/23 19:26	01/11/23 19:26	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 19:26	01/11/23 19:26	107-05-1	L0
Benzene	20.8	ug/m3	0.639	0.228	1	01/11/23 19:26	01/11/23 19:26	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 19:26	01/11/23 19:26	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 19:26	01/11/23 19:26	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 19:26	01/11/23 19:26	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 19:26	01/11/23 19:26	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 19:26	01/11/23 19:26	106-99-0	
Carbon disulfide	1.71	ug/m3	0.622	0.317	1	01/11/23 19:26	01/11/23 19:26	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 19:26	01/11/23 19:26	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 19:26	01/11/23 19:26	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 19:26	01/11/23 19:26	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 19:26	01/11/23 19:26	67-66-3	
Chloromethane	0.616	ug/m3	0.413	0.213	1	01/11/23 19:26	01/11/23 19:26	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 19:26	01/11/23 19:26	95-49-8	
Cyclohexane	5.20	ug/m3	0.689	0.259	1	01/11/23 19:26	01/11/23 19:26	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 19:26	01/11/23 19:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 19:26	01/11/23 19:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 19:26	01/11/23 19:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 19:26	01/11/23 19:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 19:26	01/11/23 19:26	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 19:26	01/11/23 19:26	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 19:26	01/11/23 19:26	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 19:26	01/11/23 19:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 19:26	01/11/23 19:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/13/23 00:17	01/13/23 00:17	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 19:26	01/11/23 19:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 19:26	01/11/23 19:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 19:26	01/11/23 19:26	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 19:26	01/11/23 19:26	123-91-1	
Ethanol	6.37	ug/m3	2.36	0.500	1	01/11/23 19:26	01/11/23 19:26	64-17-5	
Ethylbenzene	3.20	ug/m3	0.867	0.362	1	01/11/23 19:26	01/11/23 19:26	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 19:26	01/11/23 19:26	141-78-6	
4-Ethyltoluene	ND	ug/m3	0.982	0.384	1	01/11/23 19:26	01/11/23 19:26	622-96-8	
Trichlorofluoromethane	0.826J	ug/m3	1.12	0.460	1	01/11/23 19:26	01/11/23 19:26	75-69-4	J
Dichlorodifluoromethane	1.83	ug/m3	0.989	0.678	1	01/11/23 19:26	01/11/23 19:26	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 19:26	01/11/23 19:26	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 19:26	01/11/23 19:26	76-14-2	
n-Heptane	6.30	ug/m3	0.818	0.425	1	01/11/23 19:26	01/11/23 19:26	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 19:26	01/11/23 19:26	87-68-3	
n-Hexane	13.2	ug/m3	2.22	0.726	1	01/11/23 19:26	01/11/23 19:26	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 19:26	01/11/23 19:26	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 19:26	01/11/23 19:26	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 19:26	01/11/23 19:26	591-78-6	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-4		Lab ID: 60419575004		Collected: 01/05/23 09:30		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	8.43	ug/m3	3.69	0.240	1	01/11/23 19:26	01/11/23 19:26	78-93-3	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 19:26	01/11/23 19:26	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 19:26	01/11/23 19:26	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 19:26	01/11/23 19:26	1634-04-4	
Naphthalene	2.26J	ug/m3	3.30	1.83	1	01/11/23 19:26	01/11/23 19:26	91-20-3	J
2-Propanol	13.2	ug/m3	3.07	0.649	1	01/11/23 19:26	01/11/23 19:26	67-63-0	
Propylene	91.6	ug/m3	2.15	0.160	1	01/11/23 19:26	01/11/23 19:26	115-07-1	
Styrene	1.95	ug/m3	0.851	0.335	1	01/11/23 19:26	01/11/23 19:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 19:26	01/11/23 19:26	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 19:26	01/11/23 19:26	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 19:26	01/11/23 19:26	109-99-9	
Toluene	12.0	ug/m3	1.88	0.328	1	01/11/23 19:26	01/11/23 19:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 19:26	01/11/23 19:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 19:26	01/11/23 19:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 19:26	01/11/23 19:26	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 19:26	01/11/23 19:26	79-01-6	
1,2,4-Trimethylbenzene	0.751J	ug/m3	0.982	0.375	1	01/11/23 19:26	01/11/23 19:26	95-63-6	J
1,3,5-Trimethylbenzene	ND	ug/m3	0.982	0.382	1	01/11/23 19:26	01/11/23 19:26	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 19:26	01/11/23 19:26	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 19:26	01/11/23 19:26	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 19:26	01/11/23 19:26	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 19:26	01/11/23 19:26	108-05-4	
m&p-Xylene	2.55	ug/m3	1.73	0.585	1	01/11/23 19:26	01/11/23 19:26	179601-23-1	
o-Xylene	1.22	ug/m3	0.867	0.359	1	01/11/23 19:26	01/11/23 19:26	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	98.0	%	60.0-140		1	01/11/23 19:26	01/11/23 19:26	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	96.2	%	60.0-140		1	01/13/23 00:17	01/13/23 00:17	3855-82-1	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-5		Lab ID: 60419575005		Collected: 01/05/23 10:40		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	346J	ug/m3	826	164	1	01/11/23 19:56	01/11/23 19:56	8006-61-9	B,J
Acetone	19.9	ug/m3	2.97	1.39	1	01/11/23 19:56	01/11/23 19:56	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 19:56	01/11/23 19:56	107-05-1	L0
Benzene	3.32	ug/m3	0.639	0.228	1	01/11/23 19:56	01/11/23 19:56	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 19:56	01/11/23 19:56	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 19:56	01/11/23 19:56	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 19:56	01/11/23 19:56	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 19:56	01/11/23 19:56	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 19:56	01/11/23 19:56	106-99-0	
Carbon disulfide	ND	ug/m3	0.622	0.317	1	01/11/23 19:56	01/11/23 19:56	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 19:56	01/11/23 19:56	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 19:56	01/11/23 19:56	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 19:56	01/11/23 19:56	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 19:56	01/11/23 19:56	67-66-3	
Chloromethane	0.223J	ug/m3	0.413	0.213	1	01/11/23 19:56	01/11/23 19:56	74-87-3	J
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 19:56	01/11/23 19:56	95-49-8	
Cyclohexane	0.950	ug/m3	0.689	0.259	1	01/11/23 19:56	01/11/23 19:56	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 19:56	01/11/23 19:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 19:56	01/11/23 19:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 19:56	01/11/23 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 19:56	01/11/23 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 19:56	01/11/23 19:56	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 19:56	01/11/23 19:56	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 19:56	01/11/23 19:56	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 19:56	01/11/23 19:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 19:56	01/11/23 19:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/13/23 00:45	01/13/23 00:45	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 19:56	01/11/23 19:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 19:56	01/11/23 19:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 19:56	01/11/23 19:56	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 19:56	01/11/23 19:56	123-91-1	
Ethanol	1.98J	ug/m3	2.36	0.500	1	01/11/23 19:56	01/11/23 19:56	64-17-5	J
Ethylbenzene	0.529J	ug/m3	0.867	0.362	1	01/11/23 19:56	01/11/23 19:56	100-41-4	J
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 19:56	01/11/23 19:56	141-78-6	
4-Ethyltoluene	ND	ug/m3	0.982	0.384	1	01/11/23 19:56	01/11/23 19:56	622-96-8	
Trichlorofluoromethane	1.01J	ug/m3	1.12	0.460	1	01/11/23 19:56	01/11/23 19:56	75-69-4	J
Dichlorodifluoromethane	2.09	ug/m3	0.989	0.678	1	01/11/23 19:56	01/11/23 19:56	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 19:56	01/11/23 19:56	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 19:56	01/11/23 19:56	76-14-2	
n-Heptane	0.822	ug/m3	0.818	0.425	1	01/11/23 19:56	01/11/23 19:56	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 19:56	01/11/23 19:56	87-68-3	
n-Hexane	1.78J	ug/m3	2.22	0.726	1	01/11/23 19:56	01/11/23 19:56	110-54-3	J
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 19:56	01/11/23 19:56	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 19:56	01/11/23 19:56	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 19:56	01/11/23 19:56	591-78-6	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-5		Lab ID: 60419575005		Collected: 01/05/23 10:40		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	4.69	ug/m3	3.69	0.240	1	01/11/23 19:56	01/11/23 19:56	78-93-3	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 19:56	01/11/23 19:56	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 19:56	01/11/23 19:56	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 19:56	01/11/23 19:56	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 19:56	01/11/23 19:56	91-20-3	
2-Propanol	7.67	ug/m3	3.07	0.649	1	01/11/23 19:56	01/11/23 19:56	67-63-0	
Propylene	12.6	ug/m3	2.15	0.160	1	01/11/23 19:56	01/11/23 19:56	115-07-1	
Styrene	ND	ug/m3	0.851	0.335	1	01/11/23 19:56	01/11/23 19:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 19:56	01/11/23 19:56	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 19:56	01/11/23 19:56	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 19:56	01/11/23 19:56	109-99-9	
Toluene	1.53J	ug/m3	1.88	0.328	1	01/11/23 19:56	01/11/23 19:56	108-88-3	J
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 19:56	01/11/23 19:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 19:56	01/11/23 19:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 19:56	01/11/23 19:56	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 19:56	01/11/23 19:56	79-01-6	
1,2,4-Trimethylbenzene	0.643J	ug/m3	0.982	0.375	1	01/11/23 19:56	01/11/23 19:56	95-63-6	J
1,3,5-Trimethylbenzene	ND	ug/m3	0.982	0.382	1	01/11/23 19:56	01/11/23 19:56	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 19:56	01/11/23 19:56	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 19:56	01/11/23 19:56	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 19:56	01/11/23 19:56	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 19:56	01/11/23 19:56	108-05-4	
m&p-Xylene	0.997J	ug/m3	1.73	0.585	1	01/11/23 19:56	01/11/23 19:56	179601-23-1	J
o-Xylene	0.442J	ug/m3	0.867	0.359	1	01/11/23 19:56	01/11/23 19:56	95-47-6	J
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	97.6	%	60.0-140		1	01/11/23 19:56	01/11/23 19:56	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	93.6	%	60.0-140		1	01/13/23 00:45	01/13/23 00:45	3855-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-6		Lab ID: 60419575006		Collected: 01/05/23 11:42		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	653J	ug/m3	826	164	1	01/11/23 20:27	01/11/23 20:27	8006-61-9	B,J
Acetone	19.6	ug/m3	2.97	1.39	1	01/11/23 20:27	01/11/23 20:27	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 20:27	01/11/23 20:27	107-05-1	L0
Benzene	0.773	ug/m3	0.639	0.228	1	01/11/23 20:27	01/11/23 20:27	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 20:27	01/11/23 20:27	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 20:27	01/11/23 20:27	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 20:27	01/11/23 20:27	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 20:27	01/11/23 20:27	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 20:27	01/11/23 20:27	106-99-0	
Carbon disulfide	ND	ug/m3	0.622	0.317	1	01/11/23 20:27	01/11/23 20:27	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 20:27	01/11/23 20:27	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 20:27	01/11/23 20:27	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 20:27	01/11/23 20:27	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 20:27	01/11/23 20:27	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	01/11/23 20:27	01/11/23 20:27	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 20:27	01/11/23 20:27	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	01/11/23 20:27	01/11/23 20:27	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 20:27	01/11/23 20:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 20:27	01/11/23 20:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 20:27	01/11/23 20:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 20:27	01/11/23 20:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 20:27	01/11/23 20:27	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 20:27	01/11/23 20:27	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 20:27	01/11/23 20:27	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 20:27	01/11/23 20:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 20:27	01/11/23 20:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/13/23 01:14	01/13/23 01:14	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 20:27	01/11/23 20:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 20:27	01/11/23 20:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 20:27	01/11/23 20:27	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 20:27	01/11/23 20:27	123-91-1	
Ethanol	3.26	ug/m3	2.36	0.500	1	01/11/23 20:27	01/11/23 20:27	64-17-5	
Ethylbenzene	1.65	ug/m3	0.867	0.362	1	01/11/23 20:27	01/11/23 20:27	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 20:27	01/11/23 20:27	141-78-6	
4-Ethyltoluene	1.10	ug/m3	0.982	0.384	1	01/11/23 20:27	01/11/23 20:27	622-96-8	
Trichlorofluoromethane	0.804J	ug/m3	1.12	0.460	1	01/11/23 20:27	01/11/23 20:27	75-69-4	J
Dichlorodifluoromethane	1.72	ug/m3	0.989	0.678	1	01/11/23 20:27	01/11/23 20:27	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 20:27	01/11/23 20:27	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 20:27	01/11/23 20:27	76-14-2	
n-Heptane	0.654J	ug/m3	0.818	0.425	1	01/11/23 20:27	01/11/23 20:27	142-82-5	J
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 20:27	01/11/23 20:27	87-68-3	
n-Hexane	ND	ug/m3	2.22	0.726	1	01/11/23 20:27	01/11/23 20:27	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 20:27	01/11/23 20:27	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 20:27	01/11/23 20:27	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 20:27	01/11/23 20:27	591-78-6	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-6		Lab ID: 60419575006		Collected: 01/05/23 11:42		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	4.13	ug/m3	3.69	0.240	1	01/11/23 20:27	01/11/23 20:27	78-93-3	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 20:27	01/11/23 20:27	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 20:27	01/11/23 20:27	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 20:27	01/11/23 20:27	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 20:27	01/11/23 20:27	91-20-3	
2-Propanol	61.2	ug/m3	3.07	0.649	1	01/11/23 20:27	01/11/23 20:27	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	01/11/23 20:27	01/11/23 20:27	115-07-1	
Styrene	ND	ug/m3	0.851	0.335	1	01/11/23 20:27	01/11/23 20:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 20:27	01/11/23 20:27	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 20:27	01/11/23 20:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 20:27	01/11/23 20:27	109-99-9	
Toluene	3.51	ug/m3	1.88	0.328	1	01/11/23 20:27	01/11/23 20:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 20:27	01/11/23 20:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 20:27	01/11/23 20:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 20:27	01/11/23 20:27	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 20:27	01/11/23 20:27	79-01-6	
1,2,4-Trimethylbenzene	4.79	ug/m3	0.982	0.375	1	01/11/23 20:27	01/11/23 20:27	95-63-6	
1,3,5-Trimethylbenzene	1.17	ug/m3	0.982	0.382	1	01/11/23 20:27	01/11/23 20:27	108-67-8	
2,2,4-Trimethylpentane	0.649J	ug/m3	0.934	0.621	1	01/11/23 20:27	01/11/23 20:27	540-84-1	J
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 20:27	01/11/23 20:27	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 20:27	01/11/23 20:27	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 20:27	01/11/23 20:27	108-05-4	
m&p-Xylene	6.68	ug/m3	1.73	0.585	1	01/11/23 20:27	01/11/23 20:27	179601-23-1	
o-Xylene	2.45	ug/m3	0.867	0.359	1	01/11/23 20:27	01/11/23 20:27	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	97.8	%	60.0-140		1	01/11/23 20:27	01/11/23 20:27	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	94.1	%	60.0-140		1	01/13/23 01:14	01/13/23 01:14	3855-82-1	

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-7		Lab ID: 60419575007		Collected: 01/05/23 12:52		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	694J	ug/m3	826	164	1	01/11/23 20:58	01/11/23 20:58	8006-61-9	B,J
Acetone	37.1	ug/m3	2.97	1.39	1	01/11/23 20:58	01/11/23 20:58	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 20:58	01/11/23 20:58	107-05-1	L0
Benzene	1.80	ug/m3	0.639	0.228	1	01/11/23 20:58	01/11/23 20:58	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 20:58	01/11/23 20:58	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 20:58	01/11/23 20:58	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 20:58	01/11/23 20:58	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 20:58	01/11/23 20:58	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 20:58	01/11/23 20:58	106-99-0	
Carbon disulfide	0.710	ug/m3	0.622	0.317	1	01/11/23 20:58	01/11/23 20:58	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 20:58	01/11/23 20:58	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 20:58	01/11/23 20:58	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 20:58	01/11/23 20:58	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 20:58	01/11/23 20:58	67-66-3	
Chloromethane	2.42	ug/m3	0.413	0.213	1	01/11/23 20:58	01/11/23 20:58	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 20:58	01/11/23 20:58	95-49-8	
Cyclohexane	0.448J	ug/m3	0.689	0.259	1	01/11/23 20:58	01/11/23 20:58	110-82-7	J
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 20:58	01/11/23 20:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 20:58	01/11/23 20:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 20:58	01/11/23 20:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 20:58	01/11/23 20:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 20:58	01/11/23 20:58	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 20:58	01/11/23 20:58	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 20:58	01/11/23 20:58	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 20:58	01/11/23 20:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 20:58	01/11/23 20:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/13/23 01:42	01/13/23 01:42	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 20:58	01/11/23 20:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 20:58	01/11/23 20:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 20:58	01/11/23 20:58	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 20:58	01/11/23 20:58	123-91-1	
Ethanol	3.58	ug/m3	2.36	0.500	1	01/11/23 20:58	01/11/23 20:58	64-17-5	
Ethylbenzene	1.97	ug/m3	0.867	0.362	1	01/11/23 20:58	01/11/23 20:58	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 20:58	01/11/23 20:58	141-78-6	
4-Ethyltoluene	0.682J	ug/m3	0.982	0.384	1	01/11/23 20:58	01/11/23 20:58	622-96-8	J
Trichlorofluoromethane	0.652J	ug/m3	1.12	0.460	1	01/11/23 20:58	01/11/23 20:58	75-69-4	J
Dichlorodifluoromethane	1.67	ug/m3	0.989	0.678	1	01/11/23 20:58	01/11/23 20:58	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 20:58	01/11/23 20:58	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 20:58	01/11/23 20:58	76-14-2	
n-Heptane	0.650J	ug/m3	0.818	0.425	1	01/11/23 20:58	01/11/23 20:58	142-82-5	J
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 20:58	01/11/23 20:58	87-68-3	
n-Hexane	0.984J	ug/m3	2.22	0.726	1	01/11/23 20:58	01/11/23 20:58	110-54-3	J
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	01/11/23 20:58	01/11/23 20:58	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 20:58	01/11/23 20:58	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 20:58	01/11/23 20:58	591-78-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-7		Lab ID: 60419575007		Collected: 01/05/23 12:52		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	9.85	ug/m3	3.69	0.240	1	01/11/23 20:58	01/11/23 20:58	78-93-3	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 20:58	01/11/23 20:58	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 20:58	01/11/23 20:58	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 20:58	01/11/23 20:58	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 20:58	01/11/23 20:58	91-20-3	
2-Propanol	38.3	ug/m3	3.07	0.649	1	01/11/23 20:58	01/11/23 20:58	67-63-0	
Propylene	8.78	ug/m3	2.15	0.160	1	01/11/23 20:58	01/11/23 20:58	115-07-1	
Styrene	0.365J	ug/m3	0.851	0.335	1	01/11/23 20:58	01/11/23 20:58	100-42-5	J
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 20:58	01/11/23 20:58	79-34-5	
Tetrachloroethene	0.654J	ug/m3	1.36	0.553	1	01/11/23 20:58	01/11/23 20:58	127-18-4	J
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 20:58	01/11/23 20:58	109-99-9	
Toluene	3.64	ug/m3	1.88	0.328	1	01/11/23 20:58	01/11/23 20:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 20:58	01/11/23 20:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 20:58	01/11/23 20:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 20:58	01/11/23 20:58	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 20:58	01/11/23 20:58	79-01-6	
1,2,4-Trimethylbenzene	2.97	ug/m3	0.982	0.375	1	01/11/23 20:58	01/11/23 20:58	95-63-6	
1,3,5-Trimethylbenzene	0.717J	ug/m3	0.982	0.382	1	01/11/23 20:58	01/11/23 20:58	108-67-8	J
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 20:58	01/11/23 20:58	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 20:58	01/11/23 20:58	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 20:58	01/11/23 20:58	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 20:58	01/11/23 20:58	108-05-4	
m&p-Xylene	7.33	ug/m3	1.73	0.585	1	01/11/23 20:58	01/11/23 20:58	179601-23-1	
o-Xylene	5.72	ug/m3	0.867	0.359	1	01/11/23 20:58	01/11/23 20:58	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	97.7	%	60.0-140		1	01/11/23 20:58	01/11/23 20:58	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	97.4	%	60.0-140		1	01/13/23 01:42	01/13/23 01:42	3855-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-8		Lab ID: 60419575008		Collected: 01/05/23 14:18		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
Gasoline Range Organics	657J	ug/m3	826	164	1	01/11/23 21:29	01/11/23 21:29	8006-61-9	B,J
Acetone	ND	ug/m3	2.97	1.39	1	01/11/23 21:29	01/11/23 21:29	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	01/11/23 21:29	01/11/23 21:29	107-05-1	L0
Benzene	12.2	ug/m3	0.639	0.228	1	01/11/23 21:29	01/11/23 21:29	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	01/11/23 21:29	01/11/23 21:29	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	01/11/23 21:29	01/11/23 21:29	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	01/11/23 21:29	01/11/23 21:29	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	01/11/23 21:29	01/11/23 21:29	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	01/11/23 21:29	01/11/23 21:29	106-99-0	
Carbon disulfide	1.05	ug/m3	0.622	0.317	1	01/11/23 21:29	01/11/23 21:29	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	01/11/23 21:29	01/11/23 21:29	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	01/11/23 21:29	01/11/23 21:29	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	01/11/23 21:29	01/11/23 21:29	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	01/11/23 21:29	01/11/23 21:29	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	01/11/23 21:29	01/11/23 21:29	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	01/11/23 21:29	01/11/23 21:29	95-49-8	
Cyclohexane	4.20	ug/m3	0.689	0.259	1	01/11/23 21:29	01/11/23 21:29	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	01/11/23 21:29	01/11/23 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	01/11/23 21:29	01/11/23 21:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	01/11/23 21:29	01/11/23 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	01/11/23 21:29	01/11/23 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	01/11/23 21:29	01/11/23 21:29	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	01/11/23 21:29	01/11/23 21:29	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	01/11/23 21:29	01/11/23 21:29	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	01/11/23 21:29	01/11/23 21:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	01/11/23 21:29	01/11/23 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	01/13/23 02:10	01/13/23 02:10	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	01/11/23 21:29	01/11/23 21:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	01/11/23 21:29	01/11/23 21:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	01/11/23 21:29	01/11/23 21:29	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	01/11/23 21:29	01/11/23 21:29	123-91-1	
Ethanol	18.8	ug/m3	2.36	0.500	1	01/11/23 21:29	01/11/23 21:29	64-17-5	
Ethylbenzene	12.7	ug/m3	0.867	0.362	1	01/11/23 21:29	01/11/23 21:29	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	01/11/23 21:29	01/11/23 21:29	141-78-6	
4-Ethyltoluene	0.569J	ug/m3	0.982	0.384	1	01/11/23 21:29	01/11/23 21:29	622-96-8	J
Trichlorofluoromethane	0.764J	ug/m3	1.12	0.460	1	01/11/23 21:29	01/11/23 21:29	75-69-4	J
Dichlorodifluoromethane	2.00	ug/m3	0.989	0.678	1	01/11/23 21:29	01/11/23 21:29	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	01/11/23 21:29	01/11/23 21:29	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	01/11/23 21:29	01/11/23 21:29	76-14-2	
n-Heptane	6.63	ug/m3	0.818	0.425	1	01/11/23 21:29	01/11/23 21:29	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	01/11/23 21:29	01/11/23 21:29	87-68-3	
n-Hexane	11.4	ug/m3	2.22	0.726	1	01/11/23 21:29	01/11/23 21:29	110-54-3	
Isopropylbenzene (Cumene)	0.762J	ug/m3	0.983	0.382	1	01/11/23 21:29	01/11/23 21:29	98-82-8	J
Methylene Chloride	ND	ug/m3	0.694	0.340	1	01/11/23 21:29	01/11/23 21:29	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	01/11/23 21:29	01/11/23 21:29	591-78-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Sample: SG-8		Lab ID: 60419575008		Collected: 01/05/23 14:18		Received: 01/10/23 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15 Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet									
2-Butanone (MEK)	2.49J	ug/m3	3.69	0.240	1	01/11/23 21:29	01/11/23 21:29	78-93-3	J
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	01/11/23 21:29	01/11/23 21:29	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	01/11/23 21:29	01/11/23 21:29	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	01/11/23 21:29	01/11/23 21:29	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	01/11/23 21:29	01/11/23 21:29	91-20-3	
2-Propanol	18.0	ug/m3	3.07	0.649	1	01/11/23 21:29	01/11/23 21:29	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	01/11/23 21:29	01/11/23 21:29	115-07-1	
Styrene	ND	ug/m3	0.851	0.335	1	01/11/23 21:29	01/11/23 21:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	01/11/23 21:29	01/11/23 21:29	79-34-5	
Tetrachloroethene	ND	ug/m3	1.36	0.553	1	01/11/23 21:29	01/11/23 21:29	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	01/11/23 21:29	01/11/23 21:29	109-99-9	
Toluene	23.4	ug/m3	1.88	0.328	1	01/11/23 21:29	01/11/23 21:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	01/11/23 21:29	01/11/23 21:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	01/11/23 21:29	01/11/23 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	01/11/23 21:29	01/11/23 21:29	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	01/11/23 21:29	01/11/23 21:29	79-01-6	
1,2,4-Trimethylbenzene	2.28	ug/m3	0.982	0.375	1	01/11/23 21:29	01/11/23 21:29	95-63-6	
1,3,5-Trimethylbenzene	0.775J	ug/m3	0.982	0.382	1	01/11/23 21:29	01/11/23 21:29	108-67-8	J
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	01/11/23 21:29	01/11/23 21:29	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	01/11/23 21:29	01/11/23 21:29	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	01/11/23 21:29	01/11/23 21:29	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	01/11/23 21:29	01/11/23 21:29	108-05-4	
m&p-Xylene	6.33	ug/m3	1.73	0.585	1	01/11/23 21:29	01/11/23 21:29	179601-23-1	
o-Xylene	3.73	ug/m3	0.867	0.359	1	01/11/23 21:29	01/11/23 21:29	95-47-6	
Surrogates									
1,4-Dichlorobenzene-d4 (IS)	96.7	%	60.0-140		1	01/11/23 21:29	01/11/23 21:29	3855-82-1	
1,4-Dichlorobenzene-d4 (IS)	96.4	%	60.0-140		1	01/13/23 02:10	01/13/23 02:10	3855-82-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

QC Batch:	1986949	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	VOA (MS) TO-15
		Laboratory:	Pace National - Mt. Juliet
Associated Lab Samples:	60419575001, 60419575002, 60419575003, 60419575004, 60419575005, 60419575006, 60419575007, 60419575008		

METHOD BLANK: R3880313-3

Matrix: Air

Associated Lab Samples: 60419575001, 60419575002, 60419575003, 60419575004, 60419575005, 60419575006, 60419575007, 60419575008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gasoline Range Organics	ug/m3	242J	826	164	01/11/23 12:29	J
Acetone	ug/m3	ND	2.97	1.39	01/11/23 12:29	
Allyl chloride	ug/m3	ND	0.626	0.357	01/11/23 12:29	
Benzene	ug/m3	ND	0.639	0.228	01/11/23 12:29	
Benzyl chloride	ug/m3	ND	1.04	0.311	01/11/23 12:29	
Bromodichloromethane	ug/m3	ND	1.34	0.471	01/11/23 12:29	
Bromoform	ug/m3	ND	6.21	0.757	01/11/23 12:29	
Bromomethane	ug/m3	ND	0.776	0.381	01/11/23 12:29	
1,3-Butadiene	ug/m3	ND	4.43	0.230	01/11/23 12:29	
Carbon disulfide	ug/m3	ND	0.622	0.317	01/11/23 12:29	
Carbon tetrachloride	ug/m3	ND	1.26	0.461	01/11/23 12:29	
Chlorobenzene	ug/m3	ND	0.924	0.385	01/11/23 12:29	
Chloroethane	ug/m3	ND	0.528	0.263	01/11/23 12:29	
Chloroform	ug/m3	ND	0.973	0.349	01/11/23 12:29	
Chloromethane	ug/m3	ND	0.413	0.213	01/11/23 12:29	
2-Chlorotoluene	ug/m3	ND	1.03	0.427	01/11/23 12:29	
Cyclohexane	ug/m3	ND	0.689	0.259	01/11/23 12:29	
Dibromochloromethane	ug/m3	ND	1.70	0.618	01/11/23 12:29	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.54	0.554	01/11/23 12:29	
1,2-Dichlorobenzene	ug/m3	ND	1.20	0.770	01/11/23 12:29	
1,3-Dichlorobenzene	ug/m3	ND	1.20	1.09	01/11/23 12:29	
1,4-Dichlorobenzene	ug/m3	ND	1.20	0.335	01/11/23 12:29	
1,2-Dichloroethane	ug/m3	ND	0.810	0.283	01/11/23 12:29	
1,1-Dichloroethane	ug/m3	ND	0.802	0.290	01/11/23 12:29	
1,1-Dichloroethene	ug/m3	ND	0.793	0.302	01/11/23 12:29	
cis-1,2-Dichloroethene	ug/m3	ND	0.793	0.311	01/11/23 12:29	
1,2-Dichloropropane	ug/m3	ND	0.924	0.351	01/11/23 12:29	
cis-1,3-Dichloropropene	ug/m3	ND	0.908	0.313	01/11/23 12:29	
trans-1,3-Dichloropropene	ug/m3	ND	0.908	0.331	01/11/23 12:29	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	0.721	0.300	01/11/23 12:29	
Ethanol	ug/m3	ND	2.36	0.500	01/11/23 12:29	
Ethylbenzene	ug/m3	ND	0.867	0.362	01/11/23 12:29	
Ethyl acetate	ug/m3	ND	0.720	0.360	01/11/23 12:29	
4-Ethyltoluene	ug/m3	ND	0.982	0.384	01/11/23 12:29	
Trichlorofluoromethane	ug/m3	ND	1.12	0.460	01/11/23 12:29	
Dichlorodifluoromethane	ug/m3	ND	0.989	0.678	01/11/23 12:29	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.53	0.608	01/11/23 12:29	
Dichlorotetrafluoroethane	ug/m3	ND	1.40	0.622	01/11/23 12:29	
n-Heptane	ug/m3	ND	0.818	0.425	01/11/23 12:29	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

METHOD BLANK: R3880313-3

Matrix: Air

Associated Lab Samples: 60419575001, 60419575002, 60419575003, 60419575004, 60419575005, 60419575006, 60419575007, 60419575008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/m3	ND	6.73	1.12	01/11/23 12:29	
n-Hexane	ug/m3	ND	2.22	0.726	01/11/23 12:29	
Isopropylbenzene (Cumene)	ug/m3	ND	0.983	0.382	01/11/23 12:29	
Methylene Chloride	ug/m3	ND	0.694	0.340	01/11/23 12:29	
2-Hexanone	ug/m3	ND	5.11	0.544	01/11/23 12:29	
2-Butanone (MEK)	ug/m3	ND	3.69	0.240	01/11/23 12:29	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	5.12	0.313	01/11/23 12:29	
Methyl methacrylate	ug/m3	ND	0.819	0.359	01/11/23 12:29	
Methyl-tert-butyl ether	ug/m3	ND	0.721	0.233	01/11/23 12:29	
Naphthalene	ug/m3	ND	3.30	1.83	01/11/23 12:29	
2-Propanol	ug/m3	ND	3.07	0.649	01/11/23 12:29	
Propylene	ug/m3	ND	2.15	0.160	01/11/23 12:29	
Styrene	ug/m3	ND	0.851	0.335	01/11/23 12:29	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.37	0.511	01/11/23 12:29	
Tetrachloroethene	ug/m3	ND	1.36	0.553	01/11/23 12:29	
Tetrahydrofuran	ug/m3	ND	0.590	0.216	01/11/23 12:29	
Toluene	ug/m3	ND	1.88	0.328	01/11/23 12:29	
1,2,4-Trichlorobenzene	ug/m3	ND	4.66	1.10	01/11/23 12:29	
1,1,1-Trichloroethane	ug/m3	ND	1.09	0.400	01/11/23 12:29	
1,1,2-Trichloroethane	ug/m3	ND	1.09	0.422	01/11/23 12:29	
Trichloroethene	ug/m3	ND	1.07	0.364	01/11/23 12:29	
1,2,4-Trimethylbenzene	ug/m3	ND	0.982	0.375	01/11/23 12:29	
1,3,5-Trimethylbenzene	ug/m3	ND	0.982	0.382	01/11/23 12:29	
2,2,4-Trimethylpentane	ug/m3	ND	0.934	0.621	01/11/23 12:29	
Vinyl chloride	ug/m3	ND	0.511	0.243	01/11/23 12:29	
Vinyl bromide	ug/m3	ND	0.875	0.373	01/11/23 12:29	
Vinyl acetate	ug/m3	ND	0.704	0.408	01/11/23 12:29	
m&p-Xylene	ug/m3	ND	1.73	0.585	01/11/23 12:29	
o-Xylene	ug/m3	ND	0.867	0.359	01/11/23 12:29	
1,4-Dichlorobenzene-d4 (IS)	%	90.5	60.0-140		01/11/23 12:29	

LABORATORY CONTROL SAMPLE & LCSD: R3880313-1

R3880313-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/m3	839	917	921	109	110	70.0-130	0.449	25	
Acetone	ug/m3	8.91	6.49	7.06	72.8	79.2	70.0-130	8.42	25	
Allyl chloride	ug/m3	11.7	8.14	7.98	69.3	68.0	70.0-130	1.94	25	L0
Benzene	ug/m3	12.0	10.8	10.8	90.1	89.9	70.0-130	0.296	25	
Benzyl chloride	ug/m3	19.5	15.6	15.4	80.3	78.9	70.0-152	1.68	25	
Bromodichloromethane	ug/m3	25.2	22.4	22.4	89.1	89.1	70.0-130	0.00	25	
Bromoform	ug/m3	38.8	36.3	36.5	93.6	94.1	70.0-130	0.568	25	
Bromomethane	ug/m3	14.6	11.8	11.7	80.8	80.5	70.0-130	0.331	25	
1,3-Butadiene	ug/m3	8.30	6.08	6.08	73.3	73.3	70.0-130	0.00	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

LABORATORY CONTROL SAMPLE & LCSD: R3880313-1

R3880313-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	11.7	8.53	8.37	73.1	71.7	70.0-130	1.84	25	
Carbon tetrachloride	ug/m3	23.6	20.5	20.5	86.7	86.7	70.0-130	0.00	25	
Chlorobenzene	ug/m3	17.3	15.5	15.5	89.3	89.6	70.0-130	0.298	25	
Chloroethane	ug/m3	9.89	7.33	7.23	74.1	73.1	70.0-130	1.45	25	
Chloroform	ug/m3	18.3	16.0	15.9	87.5	86.9	70.0-130	0.612	25	
Chloromethane	ug/m3	7.75	5.78	5.74	74.7	74.1	70.0-130	0.717	25	
2-Chlorotoluene	ug/m3	19.3	18.1	18.3	93.6	94.9	70.0-130	1.41	25	
Cyclohexane	ug/m3	12.9	11.0	11.0	85.3	84.8	70.0-130	0.627	25	
Dibromochloromethane	ug/m3	31.9	27.9	27.8	87.5	87.2	70.0-130	0.305	25	
1,2-Dibromoethane (EDB)	ug/m3	28.8	25.9	25.7	89.9	89.1	70.0-130	0.894	25	
1,2-Dichlorobenzene	ug/m3	22.5	21.3	21.5	94.7	95.5	70.0-130	0.842	25	
1,3-Dichlorobenzene	ug/m3	22.5	22.4	22.1	99.2	98.1	70.0-130	1.08	25	
1,4-Dichlorobenzene	ug/m3	22.5	22.3	22.5	98.9	100	70.0-130	1.07	25	
1,2-Dichloroethane	ug/m3	15.2	13.9	13.9	91.5	91.5	70.0-130	0.00	25	
1,1-Dichloroethane	ug/m3	15.0	13.4	13.3	89.1	88.8	70.0-130	0.300	25	
1,1-Dichloroethene	ug/m3	14.9	11.4	11.2	76.8	75.2	70.0-130	2.11	25	
cis-1,2-Dichloroethene	ug/m3	14.9	13.3	13.1	89.3	88.0	70.0-130	1.50	25	
1,2-Dichloropropane	ug/m3	17.3	15.1	15.0	87.2	86.7	70.0-130	0.613	25	
cis-1,3-Dichloropropene	ug/m3	17.0	14.4	14.3	84.8	84.0	70.0-130	0.948	25	
trans-1,3-Dichloropropene	ug/m3	17.0	14.4	14.2	84.8	83.2	70.0-130	1.90	25	
1,4-Dioxane (p-Dioxane)	ug/m3	13.5	12.3	12.2	91.2	90.1	70.0-140	1.18	25	
Ethanol	ug/m3	7.07	5.30	5.07	74.9	71.7	55.0-148	4.36	25	
Ethylbenzene	ug/m3	16.3	15.0	15.0	92.5	92.5	70.0-130	0.00	25	
Ethyl acetate	ug/m3	13.5	11.8	11.7	87.7	86.7	70.0-130	1.22	25	
4-Ethyltoluene	ug/m3	18.4	17.3	17.3	93.9	93.9	70.0-130	0.00	25	
Trichlorofluoromethane	ug/m3	21.1	17.3	17.1	82.1	81.3	70.0-130	0.979	25	
Dichlorodifluoromethane	ug/m3	18.5	14.6	14.4	78.7	77.6	64.0-139	1.37	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	28.7	21.8	21.6	76.0	75.2	70.0-130	1.06	25	
Dichlorotetrafluoroethane	ug/m3	26.2	21.0	21.1	80.0	80.3	70.0-130	0.333	25	
n-Heptane	ug/m3	15.3	13.3	13.3	86.9	86.7	70.0-130	0.307	25	
Hexachloro-1,3-butadiene	ug/m3	40.0	37.0	36.8	92.5	92.0	70.0-151	0.578	25	
n-Hexane	ug/m3	13.2	11.4	11.4	86.4	85.9	70.0-130	0.619	25	
Isopropylbenzene (Cumene)	ug/m3	18.4	16.9	17.0	91.5	92.0	70.0-130	0.581	25	
Methylene Chloride	ug/m3	13.0	9.55	9.41	73.3	72.3	70.0-130	1.47	25	
2-Hexanone	ug/m3	15.3	13.0	13.0	85.1	85.1	70.0-149	0.00	25	
2-Butanone (MEK)	ug/m3	11.1	9.38	9.38	84.8	84.8	70.0-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	15.4	13.8	13.6	89.9	88.8	70.0-139	1.19	25	
Methyl methacrylate	ug/m3	15.4	13.2	13.1	86.1	85.3	70.0-130	0.933	25	
Methyl-tert-butyl ether	ug/m3	13.5	11.4	11.2	84.3	82.7	70.0-130	1.92	25	
Naphthalene	ug/m3	19.6	17.5	17.2	89.3	87.5	70.0-159	2.11	25	
2-Propanol	ug/m3	9.22	6.74	6.56	73.1	71.2	70.0-139	2.59	25	
Propylene	ug/m3	6.46	5.80	5.73	89.9	88.8	64.0-144	1.19	25	
Styrene	ug/m3	16.0	14.9	14.8	93.6	93.1	70.0-130	0.571	25	
1,1,2,2-Tetrachloroethane	ug/m3	25.8	24.2	24.4	93.9	94.7	70.0-130	0.849	25	
Tetrachloroethene	ug/m3	25.5	23.2	22.9	91.2	90.1	70.0-130	1.18	25	
Tetrahydrofuran	ug/m3	11.1	9.32	9.14	84.3	82.7	70.0-137	1.92	25	
Toluene	ug/m3	14.1	12.5	12.5	88.8	88.8	70.0-130	0.00	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

LABORATORY CONTROL SAMPLE & LCSD: R3880313-1			R3880313-2							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/m3	27.8	23.2	22.5	83.5	81.1	70.0-160	2.92	25	
1,1,1-Trichloroethane	ug/m3	20.4	17.5	17.4	85.9	85.3	70.0-130	0.623	25	
1,1,2-Trichloroethane	ug/m3	20.4	18.3	18.3	89.9	89.6	70.0-130	0.297	25	
Trichloroethene	ug/m3	20.1	18.4	18.1	91.5	90.1	70.0-130	1.47	25	
1,2,4-Trimethylbenzene	ug/m3	18.4	17.3	17.4	94.1	94.7	70.0-130	0.565	25	
1,3,5-Trimethylbenzene	ug/m3	18.4	17.4	17.3	94.4	94.1	70.0-130	0.283	25	
2,2,4-Trimethylpentane	ug/m3	17.5	15.1	14.9	86.4	85.3	70.0-130	1.24	25	
Vinyl chloride	ug/m3	9.59	7.46	7.41	77.9	77.3	70.0-130	0.687	25	
Vinyl bromide	ug/m3	16.4	13.6	13.3	82.9	81.1	70.0-130	2.28	25	
Vinyl acetate	ug/m3	13.2	10.5	10.3	79.2	78.1	70.0-130	1.36	25	
m&p-Xylene	ug/m3	32.5	31.3	31.1	96.3	95.6	70.0-130	0.695	25	
o-Xylene	ug/m3	16.3	15.3	15.2	93.9	93.3	70.0-130	0.570	25	
1,4-Dichlorobenzene-d4 (IS)	%				96.3	98.1	60.0-140			

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QUALITY CONTROL DATA

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

QC Batch:	1987854	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	VOA (MS) TO-15
		Laboratory:	Pace National - Mt. Juliet
Associated Lab Samples:	60419575001, 60419575002, 60419575003, 60419575004, 60419575005, 60419575006, 60419575007, 60419575008		

METHOD BLANK:	R3880671-3	Matrix:	Air
Associated Lab Samples:	60419575001, 60419575002, 60419575003, 60419575004, 60419575005, 60419575006, 60419575007, 60419575008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/m3	ND	0.793	0.267	01/12/23 21:27	
1,4-Dichlorobenzene-d4 (IS)	%	95.4	60.0-140		01/12/23 21:27	

LABORATORY CONTROL SAMPLE & LCSD:		R3880671-1		R3880671-2						
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	ug/m3	14.9	14.8	14.4	99.5	96.8	70.0-130	2.72	25	
1,4-Dichlorobenzene-d4 (IS)	%				98.8	101	60.0-140			

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QUALIFIERS

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

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.

J Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GOLDFINCH MECHANIC SITE (AIR)

Pace Project No.: 60419575

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60419575001	SG-1	TO-15	1986949	TO-15	1986949
60419575001	SG-1	TO-15	1987854	TO-15	1987854
60419575002	SG-2	TO-15	1986949	TO-15	1986949
60419575002	SG-2	TO-15	1987854	TO-15	1987854
60419575003	SG-3	TO-15	1986949	TO-15	1986949
60419575003	SG-3	TO-15	1987854	TO-15	1987854
60419575004	SG-4	TO-15	1986949	TO-15	1986949
60419575004	SG-4	TO-15	1987854	TO-15	1987854
60419575005	SG-5	TO-15	1986949	TO-15	1986949
60419575005	SG-5	TO-15	1987854	TO-15	1987854
60419575006	SG-6	TO-15	1986949	TO-15	1986949
60419575006	SG-6	TO-15	1987854	TO-15	1987854
60419575007	SG-7	TO-15	1986949	TO-15	1986949
60419575007	SG-7	TO-15	1987854	TO-15	1987854
60419575008	SG-8	TO-15	1986949	TO-15	1986949
60419575008	SG-8	TO-15	1987854	TO-15	1987854

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

K233

L1574402

Section A Required Client Information:

Company: **Tetra Tech**
Address: **415 Oak Street**
Kansas City, MO 64106
Email To: **Kaitlyn.mitchell@tetratech.com**
Phone: **816-412-1742** Fax: _____
Requested Due Date/TAT: _____

Section B Required Project Information:

Report To: **Kaitlyn Mitchell**
Copy To: _____
Purchase Order No.: _____
Project Name: **Goldfinch Mechanic**
Project Number: _____

Section C Invoice Information:

Attention: _____
Company Name: _____
Address: _____
Pace Quote Reference: _____
Pace Project Manager/Sales Rep: **Jamie.church@pacelabs.com**
Pace Profile #: **42781**

58305

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Program

☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other _____

Location of Sampling by State _____
Reporting Units
ug/m³ _____ mg/m³ _____
PPBV _____ PPMV _____
Other _____

Report Level I. II. III. IV. Other _____

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					COMPOSITE START		COMPOSITE - END/GRAB						3c - Fixed Gas (%)	To-3 BTEX	To-3M (Methane)	To-14	To-15 Full List VOCs	To-15 Short List BTEX	To-15 Short List Chlorinated	To-15 Short List (other)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Comments :

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
Macy LaMasney		1/6/23	1200	[Signature]		1/10/23	0900		Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:
Macy LaMasney
SIGNATURE of SAMPLER:
[Signature]

DATE Signed (MM/DD/YY)
1/6/23

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N If Applicable
COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☐ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☐ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Temp in °C
Received on Ice
Custody Sealed Cooler
Samples Intact

DATA VERIFICATION REPORT

Prepared by: Ellen McEntee
Date: January 24, 2023
Site Name/Job Number: Goldfinch Mechanic / 103G65210190.012.03

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60419360

Sample Designations/Names:

FB-1 TB-3

Matrices: Water

Analytical Parameters: HRH and MRH by EPA Method 8015 Mod, LRH by Method KS LRH and EPA Method 8015C, Total and Dissolved Metals by EPA Methods 6010/6020/7470, Semi-Volatile Organics by EPA Method 8270, and Volatile Organics by EPA Method 8260.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The data package contains all the required elements with the following exception. Sample Rinsate was identified on the chain of custody form for analysis; however, results were not included with this data package.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 01/06/2023; the samples arrived in good condition. All samples were analyzed within the recommended holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks and trip blank were non-detect for all target analytes. Total calcium, sodium, aluminum, antimony, beryllium, cadmium, chromium, copper, iron, manganese, and nickel, and dissolved calcium and copper were detected in the field blank. There are no associated field samples within this data package.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All surrogate spikes were within QC limits.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An MS/MSD was analyzed for total mercury and was within QC limits. MS/MSDs from other data packages were not assessed.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>VOCs, LCS Samples 3283274 and 3285140: The LCS recoveries for styrene were above the acceptance limit. The associated sample results are non-detect and were not qualified.</p> <p>SVOCs, LCS Sample 3282684: The LCS recoveries for bis(2-ethylhexyl)phthalate and butylbenzylphthalate were above the acceptance limit. The associated sample results are non-detect and were not qualified.</p>
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A laboratory duplicate was analyzed for dissolved metals by method 6020 and was within acceptance limits.
<p>Summary Data is usable as reported by the laboratory.</p>				

DATA VERIFICATION REPORT

Prepared by: Ellen McEntee
Date: January 24, 2023
Site Name/Job Number: Goldfinch Mechanic / 103G65210190.012.03
Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60419376

Sample Designations/Names:

GFM-CLK-01	GFM-CLK2-01	GFM-CLK3-01	SB-1(0-3)	SB-1 (12-14)	SB-2 (0-3)
SB-2 (9-11)	SB-3 (0-3)	SB-3 (7-9)	SB-4 (0-3)	SB-4 (19-21)	SB-5 (0-3)
SB-5 (13.5-15.5)	SB-6 (0-3)	SB-6 (0-3)DUP	SB-6 (12.5-14.5)	SB-7 (0-3)	SB-7 (10.5-12.5)
SB-8 (0-3)	SB-8 (10-12)	TB-1	TB-2		

Matrices: Solid

Analytical Parameters: PCBs by EPA Method 8082, Metals by EPA Methods 6010/6020/7471, SVOCs by EPA Method 8270, HRH and MRH by EPA Method 8015 Mod, LRH by Method KS LRH and EPA Method 8015C, and VOCs by EPA Method 8260B

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The data package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 01/06/2023; the samples arrived in good condition. All samples were analyzed within the recommended holding times.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Calcium, magnesium, and sodium were detected in the method blank at concentrations less than the reporting limit (RL). The result for sodium in sample SB-4(0-3) is a detect greater than the RL but less than ten times the blank concentration and was qualified as estimated, with possible high bias (flagged J+). All other results are detects greater than ten times the method blank concentration and were not qualified.</p> <p>Total calcium, sodium, aluminum, antimony, beryllium, cadmium, chromium, copper, iron, manganese, and nickel were detected in field blank sample FB-1, found in data package 60419360. Level 2 data packages were submitted and the matrix of the field blank (water) and samples (soil) differed; therefore, in order to assess the field blank contamination, the conversion of field blank concentrations to mg/Kg was estimated. The results for beryllium and copper in samples SB-1(0-3), SB-1(12-14), SB-2(9-11), SB-3(7-9), and SB-6(12.5-14.5); cadmium and sodium in sample SB-2(0-3); cadmium in sample SB-8(0-3); beryllium, cadmium, and sodium in sample SB-3(0-3); beryllium and cadmium in samples SB-4 (0-3) and SB-7(10.5-12.5); beryllium in samples SB-4(19-21), SB-5(13.5-15.5), and SB-7(0-3); and beryllium, cadmium, and copper in sample SB-8(10-12) were detects less than ten times the estimated blank concentration and were qualified as estimated, with possible high bias (flagged J+), based on professional judgment. The result for sample SB-4(0-3) was qualified due to method blank contamination and was not further qualified.</p>
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All surrogate spikes were within QC limits.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Metals SB-1-(0-3): The parent sample concentrations for calcium, magnesium, and potassium were greater than four times the spike concentrations; therefore, the percent recoveries and relative percent differences were not assessed for these analytes.</p> <p>Metals SB1-(12-14): The MS/MSD recoveries for antimony were below the lower acceptance limit. The parent sample concentration is non-detect and was qualified as estimated (flagged UJ). The parent sample concentrations for aluminum, iron, and manganese were greater than four times the spike concentrations; therefore, the percent recoveries and relative percent differences were not assessed for these analytes.</p> <p>MS/MSDs from other data packages were not assessed.</p>

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Laboratory control samples were performed and all analytes were within control limits.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A field duplicate was analyzed for sample SB-6 (0-3). The relative percent difference for calcium, sodium, lead, and vanadium were greater than 30%. The associated results for the parent sample and field duplicate were qualified as estimated (flagged J).
Summary Data is usable as qualified based on the findings for this validation effort.				

DATA VERIFICATION REPORT

Prepared by: Ellen McEntee
Date: January 24, 2023
Site Name/Job Number: Goldfinch Mechanic / 103G65210190.012.03
Laboratory: Pace National - Mt. Juliet

Data Package or SDG Number: 60419575

Sample Designations/Names:

SG-1	SG-2	SG-3	SG-4	SG-5	SG-6
SG-7	SG-8				

Matrices: Soil Gas
Analytical Parameters: VOCs by TO-15

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The data package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 01/10/2023; the samples arrived in good condition. All samples were analyzed within the recommended holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Method Blank R3880313-3: Gasoline range organics (GRO) were detected in the method blank associated with all samples at a concentration less than the reporting limit (RL). The results for GRO in all samples were detects less than the RL and were qualified non-detect (flagged U) at the RL.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within QC limits for all samples.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MS/MSDs are not required for method TO-15.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS/LCSD R3880313-1/2: The LCS/LCSD recoveries for allyl chloride were below the lower acceptance limit. The associated sample results are non-detects and were qualified as estimated.
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Summary Data is usable as qualified based on the findings for this validation effort.				