

Apex Tool Group, LLC (Former Cooper Tools, LLC)
Cullman, Alabama
ADEM VCP Site #: 461-043-084
Fact Sheet

A Voluntary Cleanup Program (VCP) Cleanup Work Plan has been found to be technically adequate by the Alabama Department of Environmental Management for the Apex Tool Group, LLC (Former Cooper Tools, LLC) site located in Cullman, Alabama. This fact sheet has been prepared to briefly advise the public of the principal legal and policy issues of the VCP.

I. VCP PROCESS

The VCP provides a mechanism for the implementation of a cleanup program that encourages applicants to voluntarily assess, remediate, and reuse rural and urban areas of actual or perceived contamination. The program does not relieve any “responsible person” of the liability for administrative, civil, or criminal fines or penalties which are otherwise authorized by law and imposed as a result of the illegal or unpermitted disposal of solid waste, hazardous waste, hazardous constituents, hazardous substances, petroleum products, and/or pollutants to the land, air, or waters of the State on an identified property. The program is designed to expedite the voluntary cleanup process and has been designed for entry at any stage of the cleanup process as long as all applicable criteria have been met up to the point of entry.

II. PROCEDURES FOR REACHING A FINAL DECISION

The Alabama Department of Environmental Management (ADEM) is proposing to issue Apex Tool Group, LLC (Former Cooper Tools, LLC) a final decision for the site remediation. The Cleanup Plan consists of ISCO soil mixing, monitored natural attenuation, and implementation of an environmental covenant with use restrictions.

ADEM Admin Code R. 335-15-6-.02 requires that the public be given a 30-day comment period from the date of the notice. The comment period will begin on November 5, 2025, which is the date of publication of the public notice in major local newspaper(s) of general circulation, and will end on December 5, 2025.

All persons wishing to comment on any of the conditions of the VCP Remediation should submit their comments in writing to the Alabama Department of Environmental Management, Permits and Services Division, 1400 Coliseum Blvd. (Zip 36110). P.O. Box 301463 (Zip 36130-1463) Montgomery, Alabama, ATTENTION: Mr. Russell Kelly. Written comments on the VCP activities should be submitted to the Alabama Department of Environmental Management and be received by 5:00 p.m. on December 5, 2025.

ADEM will consider all written comments received during the comment period while making a final decision on this issue. When the Department makes its final decision, notice will be given to the applicant and each person who has submitted written comments or requested notice of the final decision.

III. FACILITY DESIGN

The Apex Tool Group, LLC (Former Cooper Tools, LLC) site is located at 2125 Second Avenue SW, in Cullman, Cullman County, Alabama. Land use within a four-mile radius of the site includes a mix of residential, commercial, agricultural, and industrial properties. The site was undeveloped land prior to the construction of National Screw and Manufacturing Company in the 1960s. The site was vacant for approximately one year from 1974 through 1975 when Cooper Industries relocated the Nicholson File operations to the site. Apex Tool Group, LLC took ownership of this site in 1975. The facility consisted of two distinct areas, Parcel A and B. Parcel A consists of RCRA Part B permitted closed landfill. Parcel B is the main plant area that consists of an approximate 280,000 square foot manufacturing building, associated parking areas, and shed structures. Parcel B was entered into the VCP program in 2014. In 2020, Wood Environmental & Infrastructure Solutions, Inc. completed Site Investigation and remedial activities under the VCP which consisted of soil vapor extraction, in-situ chemical oxidation (ISCO), and monitored natural attenuation. In 2024, ONE Environmental Mid Atlantic, LLC proposed corrective actions to facilitate more effective reduction of COCs at the Site. The remedial strategy consists of ISCO soil mixing and monitored natural attenuation. Institutional controls will be used to eliminate or minimize potential exposure associated with future use and/or development.

IV. TECHNICAL CONTACT

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Former Cooper Tools Cullman, AL

Corrective Action Plan Addendum – Parcel B ALERA Site # 461-043-084

Prepared by:

ONE Environmental Mid Atlantic, LLC

Prepared for:

**Alabama Department of Environmental Management
Voluntary Cleanup Program**

December 2024

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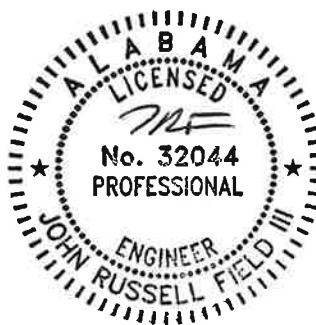
CERTIFICATION

I hereby certify that the information presented in this report is, to the best of my knowledge and belief, true, accurate, and complete, having been prepared under a system and organization designed to produce true, accurate, and complete information.

Name (Print) J. Rusty Field AL P.E. 32044

Signature [Handwritten Signature] Date 12-10-2024

Company: ONE Environmental Mid Atlantic, LLC



Acronyms and Abbreviations

ACGIH – American Conference of Governmental Industrial Hygienists

ADEM – Alabama Department of Environmental Management

ALERA – Alabama Land Recycling and Economic Recovery Act

AMSL – Above Mean Sea Level

AOC – Area of Concern

ARBCA – Alabama Risk-Based Corrective Action

AST – Aboveground Storage Tank

ATG – Apex Tool Group

BGS – Below Ground Surface

BTOC – Below Top of Casing

CAP – Corrective Action Plan

COC – Contaminants of Concern

CSM – Conceptual Site Model

DO – Dissolved Oxygen

DOT – Department of Transportation

EB – Equipment Blank

EC – Engineering Controls

EPA – Environmental Protection Agency

ESA – Environmental Site Assessment

FD – Field Duplicate

HHRA – Human Health Risk Assessment

IA – Indoor Air

ISCO – In-Situ Chemical Oxidation

ISCR – In-Situ Chemical Reduction

ISTT – In-Situ Thermal Treatment

LDPE – Low-density polyethylene

LLC – Limited Liability Company

LSA – Limited Site Assessment

LUR – Land Use Restriction

MCL – Maximum Contaminant Level

MNA – Monitored Natural Attenuation

NTU – Nephelometric Turbidity Unit

ORP – Oxidation/Reduction Potential

OSHA – Occupational Safety and Health Administration

PID – Photoionization Detector

PNOD – Permanganate Natural Oxidant Demand

PRB – Permeable Reactive Barrier

PWR – Partially Weathered Rock

QA/QC – Quality Control/Quality Assurance

RCRA – Resource Conservation and Recovery Act

RFI – RCRA Facility Investigation

RPD – Relative Percent Difference

RSL – Regional Screening Level

SA – Site Assessment

SF – Square Feet

SOP – Standard Operating Procedure

SSV – Sub Slab Vapor

SVE – Soil Vapor Extraction

SWMU – Solid Waste Monitoring Unit

TA – Transition Area

TCE – Trichloroethylene

TCLP – Toxicity Characteristic Leaching Procedure

THQ – Target Hazard Quotient

UIC – Underground Injection Control

US – United States

VCP – Voluntary Cleanup Program

VOC – Volatile Organic Compound

1.0 Introduction

1.1 Purpose

This Corrective Action Plan (CAP) Addendum has been prepared to meet the requirements of the Alabama Department of Environmental Management (ADEM) Voluntary Cleanup Program (VCP), which is identified as Alabama Land Recycling and Economic Recovery Act (ALERA) Site #461-043-084. The former Cooper Tools, LLC (Cooper) facility (i.e., the Site) is managed by Apex Tool Group LLC, (ATG) and wholly owned subsidiary of Apex Tool U.S. Real Estate Holdings, LLC. This CAP Addendum presents a supplemental remediation approach to address residual contaminants of concern (COCs) at the Site.

1.2 CAP Addendum Objectives

The proposed corrective actions presented in this CAP Addendum are intended to facilitate more effective reduction of COCs at the Site. This CAP Addendum strictly focuses on the soil and groundwater Volatile Organic Compound (VOC) impacts (primarily trichloroethylene [TCE]) from the source area of area of concern 4 (AOC-4). The previous CAP submitted in April 2021 and approved by ADEM on March 15, 2022 (**Appendix A**) has been implemented. However, the goal of reducing the concentrations of the COCs by 60% as stated in the original CAP was not fully achieved during the subsequent performance evaluation period.

Some objectives of this CAP Addendum and the ADEM-approved CAP from March 2022 will remain the same. Clean-up objectives and monitoring of Soil Vapor Extraction (SVE) and indoor air will be maintained as described in the ADEM-approved 2022 CAP. Additionally, the primary objectives of reducing the concentrations of the COCs in an effort to close out the remaining AOCs under the VCP, and for the Site to be zoned as industrial with land use restrictions (LURs) remain the same. The LURs will include restrictions on soil and groundwater.

Supplemental remediation technologies were selected based on the results from samples collected during a 2024 Site Assessment (Section 5.0) and a technology screening processes (Section 8.0). The remediation technologies described later in this CAP Addendum will include source area treatment of soil and groundwater and monitored natural attenuation (MNA) of groundwater during a performance evaluation period. These technologies are detailed in Section 8.0 of this CAP Addendum. Each technology was selected to reduce the COCs identified in the primary source area at the Site, thereby reducing the risk to onsite workers and the environment.

Following implementation of the supplemental remediation technologies and follow-up performance monitoring, the remaining COCs will be evaluated and compared to the current ADEM target criteria. If the remediation technologies have been successful in reducing COCs by a trigger value of at least 60% from the 2018 baseline COC level for soil and groundwater, which was established in the ADEM-approved 2022 CAP, then a risk evaluation will be performed.

A risk evaluation will be performed to determine if there is a continued risk to receptors per ADEM guidance (February 2017) and to determine if the target levels are appropriate as the final clean up value or if the risk level is more appropriate as a site-specific clean up level. Site-specific cleanup criteria will be developed during the human health risk assessment evaluation, which follows the performance

monitoring period. If the risk assessment criteria are not met, additional remediation will be considered to further reduce Site COCs in the onsite media. This process will continue until the risk assessment indicates that COC concentrations remaining at the Site will not adversely impact receptors or until the site-specific risk levels are met.

Groundwater performance monitoring data and progress of remediation efforts will be provided to ADEM annually. Lastly, the plan will be re-evaluated every five years, or earlier, to determine if goals are being met or if adjustments to this CAP Addendum are required. If the 60% reduction goal is met in less than five years, the plan will be re-evaluated at that time.

2.0 Site Description and History

The Site is located in Cullman, Cullman County, Alabama, at 2125 Second Avenue SW. Specifically, the Facility is west of State Highway 31 approximately 6,000 feet south of the intersection of State Highway 69 and 31. The Site is located in the Southwest Quarter of the Northwest Quarter of Section 26, Township 10 South, Range 3 West with coordinates of latitude 34°08'30" North and longitude 86°49'41" West. Properties in the vicinity of the Site include industrial, commercial, and residential areas located adjacent to and contiguous of the Site (**Figure 1**). The ATG property consists of two Parcels: Parcel A and Parcel B. Parcel A consists of a closed landfill located at 2121 2nd Avenue SW, in Cullman Alabama and is under post closure care under a Part B Resource Conservation and Recovery Act (RCRA) permit that was approved on April 21, 2014 by ADEM. The approved Part B permit excluded Parcel B (the main plant area) and included changes to the environmental management of Parcel A. Parcel B is managed under the ADEM VCP and is the subject of this CAP Addendum.

Parcel B consists of an approximate 31 acres of the original 43 acres that formerly comprised Parcels A and B. Parcel B is the main plant area that consists of an approximate 280,000 square foot (sf) manufacturing building, associated parking areas, and shed structures. A Site Map showing Parcels A and B and the associated AOCs, and Solid Waste Management Units (SWMUs) identified including various property features is provided as **Figure 2**. A summary of the AOCs and SWMUs on Parcels A and B is provided in **Table 1**. Eighteen areas including former SWMUs and AOCs were identified for decommissioning. The areas identified for decommissioning were labeled transition areas (TAs) and planned for abandonment at the Site. The TAs were located both inside and outside of the main plant and were in former operational areas associated with former SWMUs and AOCs which are either closed or in process of being closed by ADEM under the VCP. The TAs were identified based on the potential of further contribution of contaminants to the subsurface and to prevent hazardous conditions to future onsite workers who may occupy the space (Wood, 2021). A summary of the TAs on parcels A and B is provided in **Table 2**. Currently AOC-4: Large Henry System Area (former solvent container storage area) is the only AOC at the Site to not be closed out under the VCP, though the corresponding AOC-5 (Norther Property Boundary) is still monitored for groundwater impacts.

Previous assessments are summarized in Section 3.0 and include a Phase I Environmental Site Assessment (ESA), a Limited Site Assessment (LSA), a RCRA Facility Investigation (RFI), a comprehensive VCP SA, and the currently implemented CAP which was approved by ADEM in a letter to ATG dated March 15, 2022.

2.1 Ownership History

The Site was undeveloped land prior to the construction of the National Screw and Manufacturing Company in the 1960s. National Screw and Manufacturing Company began operation at the Site in the 1960s and operated until 1974. The facility was vacant for approximately one year from 1974 through 1975 when Cooper Industries relocated the Nicholson File operations to the Site. The facility operated as Cooper Tools, LLC through May 2011 and removed operational equipment up until 2012. ATG performed site assessment activities from 2012 through 2014 and then began final decommissioning of the facility in 2015. HomTex entered into a lease to own agreement with ATG in 2015 and began retrofitting the facility following the decommissioning activities which were completed in 2017 with two exterior areas still pending closure. HomTex began use of the facility as a textile cut and sew facility in May 2018 (Wood, 2021).

Furthermore, as part of the VCP process, ADEM approved Wootten Capitol Leasing Cullman 1, LLC, a subsidiary of HomTex, Inc. (HomTex) on August 27, 2014 as a Non-Responsible Party to this VCP to facilitate and protect HomTex in the event of an eventual sale of the property from ATG to HomTex. This Non-Responsible Party participation in the VCP process provides protection to HomTex when an eventual Brownfield agreement is crafted. However, HomTex intends to lease the property until the Site is granted a "Letter of Cleanup Concurrence" by ADEM (Wood, 2021).

2.2 Surrounding Land Use

Land use within a four-mile radius of the Site includes a mix of residential, commercial, agricultural, and industrial properties. The facility is approximately three miles south of the city center but within the city limits of Cullman, Alabama. The U.S. Census Bureau reported the 2010 population of the city of Cullman as 14,775. No other population centers are within a four-mile radius of the Site. The facility is bordered to the east by US Highway 31, to the north by the Cullman County Water Department, to the west by Golf Course Road, and to the south by Inland Steel, a metal building fabricator. A CSX Transportation, Inc. (CSX) railroad spur crosses the Site from a mainline located east of US Highway 31. The approximate coordinates of the facility are latitude N 34° 08' 27" and longitude W 86° 49' 40". The nearest residences are located to the north of the Site, within 500 feet of the facility boundary.

The property and Site have restricted egress and ingress and is surrounded by a security fence. The main plant area requires entrance through a main gate located to the northeast along Highway 31.

2.3 Historical Site Operations

Cooper Tools manufactured commercial rasps and files from hot-rolled carbon steel. The wastewater recycling operation was installed in 1977 to clean the files of chalk and lubricating oil from steel file blanks prior to the file hardening process. The cleansing operations used the solvents TCE and 1,1,2-trichloro-1,2,2-trifluoroethane (freon 113). The TCE recovery still and the waste cutting oil still were the main systems in the wastewater recycling operation.

The former TCE recovery unit was a closed loop system contained within the manufacturing area, near the center of the building. A former 1,400-gallon storage tank collected trapped oils from the recovery still. From 1975 through 1993, solvent wastes were drummed and placed in a hazardous waste storage area prior to being shipped offsite for recycling by Enterprise Recovery Systems. This operation ceased in 1993 following the introduction of an aqueous based washer-cleaning system for the vapor degreasing of oils and greases.

The waste cutting oil still was part of the waste oil recycling unit. This system collected waste oils in drums at various locations in the plant. The waste was transferred to tanks and heated via steam coils to eliminate the water. Approximately 55 gallons of oil per week were recovered and transported to the waste oil storage tank. The waste oil recycling operation began in July 1984 and continued to process waste oil through June 2011, when plant operations ceased. Used oil mixtures were transported to Chemical Waste Management in Emelle, Alabama, for disposal by combustion in a fuel blending operation. A detailed description of historical Site operations can be found in the VCP SA Report (Amec Foster Wheeler, 2016).

3.0 Summary of Previous Assessments

Site assessments conducted include the 2011 LSA, 2012 RFI, and the 2016 comprehensive VCP SA. Summaries of the previous site assessments are provided in the VCP SA (Amec Foster Wheeler, 2016), and a summary of the VCP SA is provided in the following section.

The objective of the VCP SA conducted in 2015 was to further assess Site conditions in AOC 4 (Henry System Area), SWMU 7A, B and C (TCE Recycler Area, Evaporator Area and aboveground storage tanks [ASTs]) and AOC 5 (northern property boundary). The assessment was conducted to evaluate various affected media, support the conceptual site model (CSM) and to determine the extent of impact of constituents of concern (COCs) on indoor air (IA), sub-slab soil vapor (SSV), soil, surface water and groundwater at the various remaining SWMUs and AOCs in accordance with the VCP. Additional information can be found in the VCP CSA (Amec Foster Wheeler, 2016).

Based on the evaluation of the combined media sampled at SWMU 7A, 7B, 7C, and AOCs 4 and 5, the former Large Henry System appears to be the historical source of TCE in AOC 4, and the closed floor hole at the former Closed Loop Washer appears to be the source of TCE at SWMU 7A. Additionally, the areas at SWMU 7B and 7C are not source areas for TCE in groundwater while AOC 5 should no longer be considered a source area. AOC 5 is downgradient from SWMU 7A and AOC 4, and TCE in groundwater from both areas have migrated to the area of AOC 5 but have not migrated off-site at this time. The following conclusions summarize results of the comprehensive VCP SA:

- TCE was identified in SWMUs 7A, 7B, 7C, AOC 4 and AOC 5. TCE was historically used, stored temporarily prior to off-site disposal, recycled or spilled at each of the areas except AOC 5. AOC 5 is located hydraulically downgradient of source areas at SMUW 7A and AOC 4.
- The CSM preliminary indicated the main conduit for collection and transport of TCE in groundwater under the main plant building was attributed to a historical topographic swale that had been filled in to construct the main plant. The main axis of this swale was located from SWMU 16A to AOC 5.
- Site geology and hydrogeology indicated that a shallow veneer of saprolitic soil (silt and clay origin) reside over partially weathered rock (PWR) and bedrock consisting of layered shale. Low Kv values from soil cores and hydraulic tests indicate fluid flow through these media will be low to moderate. The most permeable zone is the PWR zone right above the bedrock due to fractures and layered horizontal rock weathering zones of the parent matrix material.
- Soil analytical results indicated that TCE were not found above the Environmental Protection Agency (EPA) Industrial Regional Screening Level (RSL) in AOC 4; have been defined in SMWU 7A and are located near the former TCE recycler unit and no TCE was detected above the EPA Industrial RSL in the soil samples collected in SWMU 7B and 7C or AOC 5. Furthermore, no SVOCs or metals were detected in the target sampling areas.
- TCE was detected in SSV/soil gas samples at concentrations that exceeded the EPA Industrial Soil Gas Screening Level. Additionally, review of laboratory analytical results from corresponding IA quality samples indicated an exceedance of the EPA Regional Indoor Air Screening Levels for TCE. These exceedances were detected in and adjacent to SWMU 7A near the former TCE Closed Loop Washer. However, the IA values detected did not exceed Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygienists (ACGIH) values for worker safety.

- TCE was observed in the shallow unconfined aquifer groundwater and extended horizontally from former operation areas located at AOC 4 down gradient to SWMU 7A and terminated near the property line at AOC 5. TCE impacts in the deep semi-confined bedrock aquifer also extend vertically from the AOC 4 and SWMU 7A and the extent was determined to be located near the north wall of the main plant building. No TCE exceedances were found in groundwater at SWMU 7B and 7C areas. However, TCE values were sporadically found in wells outside of SWMU 7A and AOC 4.
- Review of analytical data results from the surface water sample collected from the off-site stream (i.e., downgradient of AOC 5) adjacent to 3rd Avenue and a possible groundwater discharge point for the Site indicated that TCE was not detected above the laboratory detection limit.
- Biodegradation testing results indicate that select metals and nutrients are limited at the Site and may not provide adequate electron donors to support in-situ degradation without enhancements being made to the aquifer.

4.0 Environmental/ Geologic Setting

The Site is located in the Cumberland Plateau Physiographic Section, which is the southerly part of the Appalachian Plateaus Province of the Appalachian Highlands Region. The landscape generally consists of flat-topped high-elevation plateaus that slope from the northeast to the southwest separated by deep, steep-sided valleys. Based on information obtained from the Geologic Map of Cullman County, Alabama, the Site is underlain by the Pottsville Formation (lower part) of Pennsylvanian age. The Pottsville Formation is a light-gray thick-bedded to massive pebbly quartzose sandstone, containing varying amounts of interbedded dark-gray shale, siltstone, and thin discontinuous coal. The Boyles Sandstone Member is a formally named unit in the lower part of the formation. The top of unit is mapped at the Black Creek coal (Wood, 2021).

Based on a review of information obtained from the Alabama Oil and Gas Board, the Site is located in the Black Warrior River Basin which drains 6,392 square miles. The Black Warrior River flows southward beginning at the confluence of the Locust, Mulberry and Sipsey Forks in northern Alabama. The river flows through Tuscaloosa, joins Tombigbee River at Demopolis, and continues through Mobile Bay to the Gulf of Mexico. The nearest surface water body is Ryan Creek, which is located approximately 1,000 feet southwest of the Site. Ryan Creek flows northwest to Eight mile Creek, which flows southeast to the Broglen River. The Broglen River flows south to the Mulberry Fork of the Black Warrior River. Surface water from the facility drains primarily to the south, east, and north toward unnamed tributaries to Ryan Creek. Regionally, deep groundwater flow within the aforementioned geologic units in Cullman County is expected to be generally to the south/southeast toward the Black Warrior River. The Pottsville Formation is the first potable aquifer beneath the Site. Water is derived from the underlying sandstone unit and wells (i.e., at average depths ranging from 75 to 200 feet below land surface) in the area can produce up to 100 gallons per minute (USGS, 1984), (Wood, 2021).

5.0 2024 Site Assessment Sampling

A Site Assessment (SA) event was completed in the area of AOC-4 from August 19 to August 23, 2024. The goal of this sampling was to further delineate the extent of the TCE impacts in AOC-4 in preparation for the supplemental remediation activities discussed in Section 8.0 of this CAP Addendum. This SA also provided updated pre-treatment data for the COCs on the Site.

5.1 Soil Samples

A total of nineteen (19) soil borings were advanced in the area of AOC-4 where the drill rig has accessibility (**Figure 3**). The soil boring locations were positioned in approximately a 50 ft by 50 ft grid around the historical AOC-4 hot spot area. The soil borings were advanced via direct-push (Geoprobe® or equivalent) drilling equipment. During borehole advancement, soil cores were collected continuously from the ground surface to the termination depth of five feet below ground surface (bgs). Upon recovery, the soils were visually screened for evidence of contamination, logged using the Unified Soil Classification System, and screened for organic vapors at approximately 2-foot intervals in the field with a photoionization detector (PID) equipped with a 10.6 electron-volt lamp. All pertinent soil observations, such as odors, presence of fill, staining, and moisture content were recorded in the field logbook along with the PID readings. Two (2) soil samples were collected from each soil boring, one (1) from 0-2 feet bgs, and the second from 2-5 feet bgs. Deeper soil samples were not collected due to the shallow depth of groundwater in the area (approximately 5 feet or less bgs). Upon completion of the soil sampling activities, all locations were backfilled with remaining soil and bentonite chips, then patched with like finish.

5.2 Groundwater Samples

Additionally, thirteen (13) existing monitoring wells were sampled during the 2024 sampling event. **Figure 4** highlights the onsite monitoring wells that were sampled as part of this plan. Depth-to-water measurements of the monitoring wells were recorded to the nearest 0.01 foot prior to initiating groundwater purging and sampling activities.

The wells were purged and sampled with a peristaltic pump using low flow purging techniques and LDPE and silicone tubing. During well purging, indicator field parameters [pH, specific conductance, dissolved oxygen (DO), oxidation reduction potential (ORP), and temperature] were monitored and recorded at a frequency of five (5) minute intervals or greater in accordance with US EPA Region 4 Groundwater Sampling Guidance (USEPA, 2017). Purging was considered complete, and sampling commenced, when the above-listed indicator field parameters have been recorded and have stabilized. Stabilization is defined as follows:

- pH (± 0.1 units)
- Specific Conductance ($\pm 5\%$)
- DO (± 0.2 mg/L or 10%, whichever is greater)
- ORP fall within ± 10 millivolts of reading
- Temperature will ideally fall within $\pm 10\%$ of reading or 0.2°C
- The optimal turbidity range for micropurging of 10 Nephelometric Turbidity Units (NTU) or less, or within 10% of reading.

Indicator field parameter stabilization occurred in most wells. Some wells were pumped dry and allowed time to recharge before sampling. Field parameter reading equipment was calibrated in accordance with manufacturer's specifications. Water quality parameters are summarized in **Table 3**. Purge water generated during sampling activities was collected and contained in 55-gallon Department of Transportation (DOT) approved steel drums for future disposal.

5.3 Sample Collection

All soil and groundwater samples were collected into clean, laboratory-supplied bottleware. Bottleware was sealed, labeled, placed in an ice cooler and submitted to an Alabama accredited laboratory for the analysis of:

- VOCs by USEPA method 8260.

In addition, the following tests were performed on select soil samples in preparation for the proposed soil and groundwater remediation technologies that are described in Section 8.0:

- Permanganate Natural Oxidant Demand (PNOD)
- Residual Persulfate Test

Lastly, one (1) waste characterization soil sample was collected from select soil borings and analyzed for toxicity characteristic leaching procedure (TCLP) VOCs.

5.4 Quality Assurance/Quality Control Sampling

Quality Assurance/Quality Control (QA/QC) sampling was performed in the field to document potential bias and variability introduced in sample collection, storage, handling, and shipping. During this investigation, three (3) types of field QA/QC samples were collected as described below. All QA/QC samples were also analyzed for VOCs by EPA method 8260.

5.4.1 Equipment Blanks

Equipment blanks (EBs) were collected to evaluate equipment cleaning and/or decontamination procedures. At the sample location, laboratory-provided water was poured over or through the clean, non-dedicated sampling equipment, and collected in a sample container. EBs were collected at a frequency of one (1) per type of sampling equipment used for each matrix sampled. In the one equipment blank collected during this event, EB-1, there were no detections that exceeded the laboratory method detection limit.

5.4.2 Field Duplicates

Field duplicates (FDs) were collected to assess the precision of laboratory analysis through calculation of the relative percent difference (RPD) between duplicate samples. The calculation for RPD is:

$$RPD(\%) = \frac{|Sample\ 1 - Sample\ 2|}{\left[\frac{Sample\ 1 + Sample\ 2}{2} \right]}$$

The FD RPD data quality objective is 20%. Duplicates were collected in the same manner as the investigative samples and numbered sequentially so not identifiable by the analytical laboratories (i.e., "blind" duplicates). Field duplicate samples were collected at a frequency of one per every twenty (20) samples per media with a minimum of one (1) field duplicate for each media. For this event, a duplicate

sample was collected from AW-29. All results detected above the laboratory method detection limits were well within 20% of the results from the parent sample.

5.5 Field Instrument Calibration

The direct-reading equipment used at each well was calibrated in the field according to the manufacturer's specifications prior to each day's use and checked at a minimum at the end of each sampling day. Calibration information was documented in the instrument's calibration logbook and the field book.

5.6 Decontamination Procedures

Non-disposable equipment was thoroughly decontaminated before mobilization and between sample locations with Alconox® and water supplied by the laboratory using ONE's SOP's

6.0 2024 Site Assessment Results

Depth to groundwater in the area of AOC 4 during the 2024 SA ranged from 4.10 - 6.78 feet below top of casing (btoc). Soil borings were not extended to bedrock refusal, but historically the depth to bedrock in this area ranges from 5 - 19 feet bgs (Wood, 2021). Depth to water and groundwater elevation measurements, documented in feet above mean sea level (amsl), are summarized in **Table 4**. A potentiometric surface contour map of the Site, with groundwater elevations, is provided in **Figure 5**. A map depicting TCE isoconcentrations is presented in **Figure 6**. VOC concentrations in the soil samples are summarized in **Table 5**. VOC concentrations in the groundwater samples are summarized in **Table 6**. A complete laboratory report can be found in **Appendix B**.

6.1 Soil Sampling Results

Laboratory analytical results were screened against the EPA Region 4 RSLs for Industrial Soils (target Hazard Quotient [THQ] 1.0) (May 2024). Low-level detections of various VOCs were reported predominantly in the center and northwestern side of AOC 4 (**Figure 3**). All detections of VOCs were reported at concentrations below their respective industrial RSL. Analytical data for the duplicate soil sample, DUP-01, was generally consistent with the respective parent sample, indicative of good quality control.

PNOD analysis was performed on soil composited from SB-10, SB-11, and SB-12 (2-5'). Laboratory analytical results reported an average oxidant demand of 2.1 g/kg. The laboratory report is included in **Appendix B**.

6.2 Groundwater Sampling Results

Laboratory analytical results were screened against the EPA Region 4 maximum contaminant levels (MCLs) for Groundwater (THQ 1.0) (May 2024). The data from the August 2024 sampling event indicate that VOCs were present in all samples collected within the shallow aquifer (**Figure 4**). Laboratory results revealed two VOCs (cis-1,2- dichloroethene and trichloroethene) at elevated concentrations in most wells. In comparison to the concentrations from the initial 2018 baseline sampling event, 5 (five) wells reported decreases in TCE concentrations of at least 60%. However, 4 (four) wells reported increases in TCE concentrations from the 2018 baseline sampling results. Methylene chloride was also detected above the respective MCL but is a common laboratory contaminant and is not considered a site-specific COC.

The monitored shallow aquifer varied in depth across the Site from 4.10 – 14.33 feet btoc. The shallow aquifer sampling results indicate that the concentrations of VOCs were greatest in the vicinity of monitoring well AW-29 and AOC 4 (**Figure 6**). Concentrations of VOCs in monitoring wells located downgradient from these areas are generally much lower in concentration, which is consistent with historical observations and the inferred northeast groundwater flow direction. Analytical data for the duplicate groundwater sample, DUP-01, was generally consistent with the respective parent sample, indicative of good quality control.

Residual Klorur® Persulfate Field Tests were performed at monitoring wells AW-4, AW-28, and AW-29. Persulfate was recorded at a concentration of about 2.5 g/L at AW-4. The results from monitoring wells AW-28 and AW-29 indicated that residual persulfate was non-detectable at 0.0 g/L. The field test results support that there is little to no residual sodium persulfate from the previous ISCO injections.

7.0 Remedial Cleanup Evaluation

The supplemental remedial evaluation in this CAP Addendum strictly focuses on the VOC impacts (primarily TCE) from the source area of AOC-4, as well as potential impacts to AOC-5. The detections in the soil and groundwater samples collected in 2024 were compared to the corresponding EPA RSLs. The EPA RSLs for Industrial Soil were used to evaluate the VOCs detected in the soil samples. For groundwater, the VOC detections were compared to the EPA MCL. If an MCL was not available from the EPA, then the maximum detection was compared to the EPA RSLs for tap water. Future indoor air and sub-slab soil gas monitoring from the existing SVE system will be conducted as described in the ADEM-approved 2022 CAP (Wood, 2021).

Following implementation of the proposed remedial action and subsequent performance monitoring events (two years of quarterly sampling events and four years of semi-annual sampling events), the post-remediation Site conditions and COC concentrations will be evaluated to determine the future risk, if any, to human health and the environment. The presence of the remaining Site COC concentrations will be evaluated to determine whether EPA RSLs can be attained through remediation or if site-specific target cleanup levels will need to be established. If the remediation technologies have been successful in reducing COCs by the agreed trigger value of 60% of the 2018 baseline average or beginning COC concentrations for groundwater, then, a Human Health Risk Assessment (HHRA) will be performed. If the 60% reduction goal is met prior to the conclusion of the six years of performance monitoring described above, we propose transitioning to the risk based assessment and closure at that time.

The HHRA will develop site-specific target cleanup levels or determine if the current ADEM target levels are appropriate as the final clean up value. If the risk assessment criteria are not met, additional remediation may be performed on the applicable media to further reduce Site COCs in the targeted media. This process will continue until the risk assessment target clean up levels are met for each COC per media remaining at the Site to demonstrate protection of the affected remaining receptors. It is anticipated that a full HHRA will be submitted as part of the Alabama Risk-Based Corrective Action (ARBCA) Report under separate cover to ADEM following implementation and evaluation of the proposed remedial action.

The following sections provide additional details on the data analysis and cleanup objectives for each of the media impacted.

7.1 Soil Cleanup Evaluation

During the August 2024 sampling event, no VOC was detected in soil above their respective EPA RSLs (**Table 5**). This includes TCE, which is the primary COC in AOC-4, AOC-5, SWMU-7B and 7C. Based on this data, soil impacts in AOC-4 are not a concern and further evaluation is not needed at this time.

7.2 Groundwater Cleanup Evaluation

During the August 2024 sampling, TCE was detected above the EPA RSL of 5 µg/L in 11 of the 13 monitoring wells that were sampled. Cis-1,2-DCE was detected above the EPA MCL of 70 ug/L in 10 of the 13 samples (**Table 6**). During future monitoring events, TCE will be evaluated against the EPA MCL and 2018 baseline sampling results. If the proposed remediation achieves a 60% reduction in COC

concentrations, but cannot reasonably meet the EPA MCL, a HHRA will be performed, and a site-specific target cleanup level will be developed for TCE in groundwater.

8.0 Proposed Remedies

ONE evaluated supplemental remedial alternatives in terms of the criteria outlined in ADEM Guidance. The criteria developed for the evaluation of remedial technologies include threshold criteria and balancing criteria, as described below:

Threshold Criteria:

- Protection of Human Health
- Attain Media Cleanup Values (Clean Up Objectives)
- Control the Source of Release
- Comply with Applicable Standards for Management of Wastes

Balancing Criteria:

- Long-term Reliability and Effectiveness
- Reduction in Toxicity, Mobility, and Volume of Wastes
- Short-Term Effectiveness
- Implementability
- Cost

Remediation technologies were evaluated using these criteria to address groundwater conditions identified at the Site. Potential treatment options include the following:

- In-Situ Chemical Oxidation (ISCO)
- In-Situ Chemical Reduction (ISCR)
- In-Situ Thermal Treatment (ISTT)
- Permeable Reactive Barrier (PRB)
- Air Sparging
- Rotary Soil Mixing

8.1 Previous Remediation Activities

An ISCO pilot study was conducted in July 2017 near AOC 4. The ISCO application utilized sodium persulfate as the oxidant and sodium hydroxide for alkaline activation. Post-injection monitoring events showed significant TCE concentration reductions where the largest volume of oxidant was delivered. The pilot study demonstrated that the limiting factor associated with the injection was the ability to deliver the chemical oxidant to the target treatment zone (Amec Foster Wheeler, 2018).

A full-scale ISCO injection was implemented in 2020 to address source area groundwater impacts. 39 injection points were installed within the footprint of AOC 4. Hydraulic fracturing was utilized to increase the underlying formation's permeability by opening preferential pathways within the soil and shallow rock formation. The objective was to increase injection rates and distribution while using a slower reacting oxidizer with lower solubility to increase contact time and radius of influence. A detailed overview of the amendment descriptions, specifications, activation chemistries, and methodology is provided in the Voluntary Cleanup Program Full Scale Remediation Work Plan (Wood, 2019).

A sampling event was performed in October 2018 to establish baseline groundwater conditions prior to the full-scale injection. Post-injection monitoring was performed over five (5) events (i.e., September

2020, October 2020, November 2020, January 2021, and March 2021). Increases from baseline conditions in pH, specific conductivity, oxidation-reduction potential (ORP), and dissolved oxygen (DO) indicate that oxidative conditions had occurred within the AOC 4 treatment area (Wood, 2021).

In general, results indicated an initial decrease in TCE concentrations during the 15-day to 60-day events. An increase and/or rebound of concentrations was noted in some wells during the 120-day and 180-day events. The rebound and subsequent increase in concentrations were likely due to matrix-bound contaminants desorbing back into the aquifer. Low permeability soils are subject to matrix diffusion by which injected oxidant is lost through diffusion into the fractured matrix. Following the ISCO injection and post-injection monitoring, TCE concentrations within the source area remained elevated and contaminant mass in the core of the groundwater plume was not significantly reduced.

8.2 Results of Feasibility Study

ONE evaluated each of the remedial alternatives listed in Section 8.0 to determine the most appropriate approach given site-specific conditions, remediation objectives, and previous remediation. Three (3) alternatives were further evaluated for feasibility and effectiveness in treating soil and groundwater impacts at the Site:

- In Situ Thermal Treatment
- Source Area Excavation with PRB Remediation
- ISCO Soil Mixing

Soil mixing was identified as the most effective solution to treat the source area soil and groundwater impacts at the Site, followed by MNA to address residual dissolved phase groundwater impacts. ONE performed a comprehensive data review with environmental industry professionals and remediation experts to evaluate the soil mixing methodology prior to the completion of this CAP Addendum.

8.2.1 ISCO Soil Mixing Rationale

The results of the previous ISCO pilot study and full-scale injection demonstrated that chemical oxidation was successful in reducing COC concentrations in groundwater near AOC 4 but limited in the ability to deliver the chemical oxidant to the larger treatment area. Hydraulic fracturing was utilized to increase subsurface permeability and amendment distribution, however, preferential pathways created by the fracturing did not make sufficient contact with the target treatment areas. Soil mixing ensures full amendment contact throughout the treatment area and is better suited for the shallow source area. This also results in a more predictable outcome than amendment injections.

When evaluating soil mixing, various amendments can be used including potassium permanganate, zero-valent iron, proprietary blends of oxidants with hydrogen peroxide, and carbon-based Trap & Treat® technology. Each of these compounds will oxidize and de-chlorinate the Site COCs including TCE, but each application presents different characteristics and limitations to consider.

The key to successful ISCO remediation is complete contact of the amendment with the impacted media. Soil mixing with rotary head machinery creates a slurry of the amendments and soil, ensuring a controlled distribution throughout the treatment zone. In comparison to injections, soil mixing also reduces the influence of subsurface heterogeneities causing uneven distribution of the oxidants. The agitation from the rotary head will provide an additional mechanism of volatilization while

simultaneously introducing the oxidizing amendment. Soil within the treatment area is anticipated to reach low to no detections of TCE within one (1) day.

Based on the prevailing geology, hydrogeology, and geochemical conditions present in the groundwater, potassium permanganate was selected to evaluate the effectiveness and feasibility of chemical oxidation of Site COCs. The shallow potentiometric surface is advantageous for creating the amendment slurry. It supports the ability to thoroughly incorporate the amendment into the shallow aquifer and travel downgradient through the groundwater plume. The application of potassium permanganate is compatible with the residual sodium persulfate from the previous ISCO remediation. Prior to implementing the ISCO soil mixing technology, PNOD and residual Klozur® persulfate tests were conducted as part of the 2024 Site Assessment activities described in Section 7.0. The resulting PNOD analytical data was entered into the RemOx® S estimation calculator to help determine the appropriate amendment dose (**Appendix D**).

8.3 Detailed Description of Proposed Remedies

8.3.1 ISCO Soil Mixing

Potassium permanganate is easily transported to the field as a solid and can be mixed with potable water or groundwater to the desired dose. The rate of reaction is dependent upon the permanganate dose, concentrations of the COCs, and competing species, such as reduced metals and natural organic matter. Potassium permanganate can travel further downgradient from the application area because it reacts slower than other oxidants, therefore increasing contact and residence time. This will help treat COCs beneath the structure (downgradient of AOC 4 and SWMU 7) with minimal interference to current Site operations.

The results from the 2024 SA described in Section 7.0 were used to delineate the source area boundaries and identify the lateral extent of soil mixing operations. The full-scale soil mixing application will cover up to a 100 x 50-foot area and extend down to 15 feet bgs, with a focus on areas where TCE concentrations increased from 2018 to 2024. A monitoring program will be developed to evaluate the effectiveness of the amendment application and to confirm that oxidants are not impacting adjacent surface water features. Before performing the soil mixing, an underground injection control (UIC) permit will be obtained for the amendment application activities. The UIC Class V Injection Well Permit Application will be submitted to ADEM under separate cover.

The results of the PNOD test were used to quantify the background demand of any competing species and adjust the amendment dose accordingly. The site-specific PNOD of 2.1 g/kg is low-tier demand (**Appendix B**) and favorable for a chemical oxidation approach with permanganate. The RemOx® S Calculator (**Appendix D**) was used to determine the amount of amendment needed to treat the source area and account for the plume under the structure.

Prior to the commencement of soil mixing activities, monitoring wells and permanent injection points within the footprint of the treatment area will be abandoned by an Alabama-licensed driller using the tremie grout method. Monitoring wells AW-4, AW-9, AW-10, AW-27, AW-28, AW-29, and AW-30 will all be abandoned due to being located in the soil mixing footprint. Deep monitoring well AW-11D, and all former injection points will also be abandoned. Replacement monitoring wells will be installed upon the completion of soil mixing activities at AW-10, AW-27, AW-28, and AW-29 to be part of the performance monitoring program. Monitoring wells AW-4, AW-9, and AW-30 will not be replaced, as these locations

have demonstrated at least a 60% reduction in TCE concentrations from the 2018 baseline sampling to the 2024 sampling event. Following well abandonment, the concrete cover and top two (2) feet of overburden material will be removed from the treatment area and stockpiled on Site. Buried utility lines within the treatment area will be relocated or removed. The treatment area will be divided into individual mixing cells to ensure proper reagent dose and distribution control while maintaining the structural integrity of surrounding soils. Mixing cells will be pre-excavated through the vadose zone and into the saturated zone with a conventional excavator. Potassium permanganate will be added to the open excavation in dry granular crystalline form. Similar machinery equipped with a rotary mixing tool will be used to blend the amendment into the saturated soil within the mixing cell. The shallow potentiometric surface will be used for incorporating the amendment into the subsurface as opposed to the traditional method of adding potable water to the excavation.

Soil mixing within the cell will continue until the rotary tool has reached the terminal depth of the treatment zone and a homogenous slurry has been achieved. The agitation from the rotary head will provide an additional mechanism of volatilization while performing the soil mixing. Boulders or other large subsurface objects will be removed if encountered. This process will continue until all mixing cells have been amended. The treatment area will be left to settle before backfilling, compacting, and replacing the concrete cap. Depending upon Site observations, the treatment area may be mixed with Portland cement to increase soil stability.

8.3.2 Monitored Natural Attenuation

Following the source area ISCO soil mixing treatment, MNA will be implemented to address the remaining dissolved phase COCs in groundwater in the targeted AOCs, including AOCs 4 and 5 and SWMU 7A. MNA relies on natural attenuation processes to achieve remedial objectives within a reasonable time frame. Natural attenuation includes a variety of physical, chemical, and biological processes that reduce the mass, volume, toxicity, and concentrations of contaminants in groundwater. MNA will be reviewed prior to the submittal of each Remedial Action Progress Report to determine the effectiveness and efficiency of the degradation process.

Based on typical review cycles, ONE anticipates that a four-year effectiveness review period will be performed for this Site. The scope of the MNA monitoring plan will include monitoring the COCs in monitoring wells AW-7, AW-10, AW-15, AW-18, AW-20, AW-22, AW-24, AW-27, AW-28, and AW-29 for a period of seven years. Years 1-2 will include quarterly performance monitoring. Years 3-6 will include semi-annual performance monitoring, unless the 60% reduction goal is met before year six.

8.3.3 Implementation of Proposed Remedies

Following the approval of this CAP Addendum, the proposed remedies discussed in Section 8.3 will be executed. This scope includes soil mixing with an amendment application, reinstallation of monitoring wells after soil stabilization, and performance monitoring programs. Following the implementation of these proposed remedies, MNA will be implemented to address residual impacts in the dissolved phase groundwater.

9.0 Proposed Land Use Controls

After the completion and acceptance of the final risk assessment, owner-imposed LURs will be applied to eliminate certain exposure pathways. These LURs will be proposed and submitted to ADEM under separate cover once the ARBCA is approved. Considering the availability of county-supplied water at the Site and limited soil contamination being primarily located under the building, ONE proposes that a restriction of soil below the main plant area and groundwater use be the only LURs imposed at the Site. The restriction of groundwater use would eliminate the only remaining exposure pathway to Site COCs. Use of engineering controls (ECs) will be applied to the building that include do not disturb covenants applied to the building slab and to other areas of the plant facility, as needed.

10.0 Schedule

Upon acceptance of this CAP Addendum, ONE will begin the implementation of the supplemental remediation. Supplemental remediation includes soil mixing with a chemical amendment, reinstallation of monitoring wells after soil stabilization, performance monitoring programs, and MNA to address residual impacts in the dissolved phase groundwater. Following the completion of active remediation, ONE anticipates obtaining a Letter of Clean-up Concurrence within 5 to 7 years.

The following schedule has been developed for CAP Addendum implementation. The start dates are presented as a timeline following the public notice period and final CAP Addendum approval. As stated in previous sections, if the 60% reduction goal is met prior to year 6, we propose to transition to the risk assessment phase at that time:

Task	Anticipated Start Following Public Notice and Final Approval
ISCO Soil Mixing in AOC 4	Year 1
Monitored Natural Attenuation	Year 1 through 7
Quarterly Groundwater Performance Monitoring	Quarterly for Years 1 and 2
Semi-Annual Groundwater Performance Monitoring	Semiannual for Years 3 through 6
Remedial Action Progress Reports	Annual for Years 1 through 7
Remedy Construction Completion Report	Year 7
Final ARBCA Report Submittal	Year 7
Submit VCP Certification of Compliance Letter*	Year 7

**Clean-up objectives and monitoring of Soil Vapor Extraction (SVE) and indoor air will be maintained as described in the ADEM-approved 2022 CAP.*

11.0 Summary and Conclusions

Based on the previous site assessments performed at the Site, as well as the 2024 sampling, TCE is identified as the primary COC for soil and groundwater. Soil impacts are not prevalent and remain as residual sources of contamination. This CAP Addendum summarizes the results of the previous Site Assessment work, the 2024 sampling event, and identifies the supplemental remediation technologies selected for areas of residual impacts. Each of the remedial technologies has been evaluated based on the following criteria:

- Protection of human health and the environment, including attainment of risk-based target cleanup levels which will be developed as part of the ARBCA which will be provided under separate cover and prepared following implementation and performance evaluations prior to issuance of the ARBCA report;
- Compliance with applicable federal, state and local regulations;
- Long-term effectiveness;
- Reduction of toxicity, mobility and volume;
- Short-term effectiveness (i.e., effectiveness at minimizing the impact of the Site remedial action on the environment and local community);
- Implementability (i.e., technical and logistical feasibility, including an estimate of time required) for completion;
- Cost; and
- Community acceptance.

The technologies selected for supplemental remediation of the Site COCs and media impacted include the following:

- ISCO Soil Mixing, and
- Monitored Natural Attenuation.

The selected remedial technologies in this CAP Addendum focus on soil and groundwater. Soil mixing remediation in AOC-4, and MNA have been proposed to reduce COC impacts at the Site.

12.0 References

ADEM, Alabama Environmental Investigation and Remediation Guidance, Revised February 2017.

ADEM, Alabama Risk-Based Corrective Action Guidance Manual, Revised February 2017.

Amec Foster Wheeler, In Situ Chemical Oxidation Pilot Study Report Parcel B, July 2018.

Amec Foster Wheeler, Soil Vapor Extraction System Installation Report, February 2017.

Amec Foster Wheeler, Voluntary Cleanup Program Site Assessment Report Parcel B, September 2016.

USEPA, Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, September 2017.

USEPA, Region IV Field Branches Quality System and Technical Procedures, April 2023.

Wood Environment & Infrastructure Solutions, Inc., Voluntary Cleanup Program Construction Completion and Performance Monitoring Report Parcel B, April 2021.

Wood Environment & Infrastructure Solutions, Inc., Voluntary Cleanup Program Full Scale Remediation Work Plan Parcel B, March 2019.

Wood Environment & Infrastructure Solutions, Inc., Voluntary Cleanup Program Corrective Action Plan Parcel B, 2021.

TABLES

Table 1
Summary of SWMUs and AOCs
Apex Tool Company
2125 Second Avenue SW
Cullman, Alabama
One Environmental Group

Location Description/Common Name	ADEM Program	SWMU Defined by ADEM RCRA	AOC Defined by ADEM RCRA	RCRA Status
Landfill Area	RCRA Post Closure Care (Parcel A)	SWMU 1 - Landfill	NA	Closed
		SWMU 2 - Surface Impoundment	NA	Closed
		SWMU 6 - Waste Water Treatment	NA	Closed
		Buried Drums Area	NA	AOC-2
Muriatic Acid Storage Area	VCP Program Care (Parcel B)	Spill Area*	AOC-1	Closed
Waste Oil Storage Area		SWMU 7 - Waste Cutting Oil Still, ASTs and TCE Recycling Area: A-Closed Loop Washer (inside building), B-TCE Evaporator ASTs and C-Tote storage and tank Area	NA	Open
Northern Property Boundary		NA	AOC-5	Open
Large Henry System Area		SWMU 3 - TCE AST	AOC-4	Closed
		SWMU 4 - Waste Oil UST	AOC-4	Closed
		SWMU 5 - TCE Container Storage Area	AOC-4	Open
Construction Debris Area		NA	AOC-3	Closed
Lacquer Room Inside Plant on North Wall Area		SWMU 8 - Hazardous Waste Satellite Accumulation Area	NA	Closed
West Side of Plant - Exterior Area		SWMU 9 - Hazardous Waste Storage Area	NA	Closed
Finishing Department Area		SWMU 10 - Finishing Department Acid Rinse/Neutralization System	NA	Closed
Acid Scrubber Area		SWMU 11 - Acid Scrubber on Roof	NA	Closed
Bag House/Descaler		SWMU-12	NA	Closed
Large Henry System Area		SWMU-13A	AOC-4	Open
Small Henry System		SWMU-13B	AOC4	Closed
Construction Debris Area		SWMU-14	AOC-3	Closed

Table 2
Summary of Transition Areas
Apex Tool Group
2125 Second Avenue SW
Cullman, Alabama
One Environmental Group

Transition Area (TA)	Building Area	Location	AOC or SWMU	Status
TA-1	A-2	Former Milling Machine Area	SWMU 13A	Closed
TA-2	A-2	Former Small Grinding Line Area	SWMU 13A	Closed
TA-3	A-2	Former Grinding Area	SWMU 13A	Closed
TA-4	NA	Enclosed structure on the southwest side of the building	SWMU 13A	Closed
TA-5	NA	Exterior of the building on the southern corner	SWMU 13B	Pending Closure
TA-6	Exterior	Exterior of the building	SWMU 6	Closed
TA-7	Exterior	Brine Pit	SWMU 6	Closed
TA-8	Exterior	Brine Pit Pump Room	SWMU 6	Closed
TA-9	M	D-Scale Pit in Steel Mill Room	SWMU 6	Closed
TA-10	M	Steel Mill Room	SWMU 6	Open*
TA-11	M	Steel Mill Room	SWMU 6	Open*
TA-12	K	Rolling Mill Room	SWMU 6	Closed
TA-13	L	Former Back Roll Room	SWMU 6	Closed
TA-14	D	Trenches, piping and drains associated with Former Brine System	SWMU 6	Closed
TA-15	A-2	Grinding Room Trenches	SWMU 13A	Closed
TA-16	A-2	Grinding Room	SWMU 13B	Closed
TA-17	H	Boiler Room	SWMU 6	Closed
TA-18	C,D,E	Acid Scrubber System	SWMU 11	Closed

Notes:

TA - Transition Area

SWMU - Solid Waste Management Unit

Refer to Figure 2 for TA locations and Figure 3 for AOC and SWMU locations.

*TA-10 and TA-11 could not be closed due to building debris stored in room.

Table 3
Groundwater Quality Parameter Data Summary, 2024
Apex Tool Group
2125 Second Avenue SW
Cullman, Alabama
One Environmental Group

Monitoring Well	Date Sampled	pH (S.U.)	Specific Conductivity (µS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU)
AW-4	8/21/2024	7.82	3,220	29.7	5.93	94.5	307.1**
AW-7*	8/20/2024	4.28	120.3	21.2	1.95	251.6	5.87
AW-9*	8/21/2024	9.06	13,560	30.3	3.46	-18.8	109.9
AW-10	8/21/2024	6.95	11,103	26.7	0.16	32.5	0.64
AW-15*	8/21/2024	7.58	69.7	25.7	10.04	98.5	-
AW-18*	8/21/2024	5.29	112.8	22.1	11.04	150.9	43.34
AW-20*	8/21/2024	4.59	118.8	23.4	4.18	225.9	27.26
AW-22*	8/20/2024	6.37	182.3	27.7	4.71	76.1	8.19
AW-24*	8/20/2024	6.82	463.4	27.0	7.03	71.1	31.22
AW-27	8/21/2024	7.33	5,128	28.5	0.20	-70.5	1.01
AW-28	8/21/2024	6.12	10,065	27.7	0.53	139.5	0.44
AW-29	8/21/2024	6.83	8,366	27.8	0.30	64.1	6.23
AW-30	8/21/2024	6.52	7,452	28.3	1.30	198.0	3.26

Notes:

* : Well pumped dry during purging, grab reading

** : Sediment in YSI flow through cell

- : Parameter not measured

S.U.: Standard Units

µS/cm : Microseimens per centimeter

mg/L : Milligrams per liter

mV : Millivolts

NTU : Nephelometric Turbidity Unit

Table 4
Groundwater Elevation Data Summary, 2024
Apex Tool Group
2125 Second Avenue SW
Cullman, Alabama
One Environmental Group

Monitoring Well	Date Gauged	Total Well Depth	TOC Elevation ¹	Depth to water	Corrected Groundwater Elevation
VCP Assessment Wells Used					
AW-4	8/20/2024	11.40	749.16	5.38	743.78
AW-7		14.86	743.34	11.45	731.89
AW-9		6.30	748.82	4.24	744.58
AW-10		9.00	748.34	6.78	741.56
AW-15		7.78	749.29	6.68	742.61
AW-18		14.80	749.13	11.80	737.33
AW-20		18.66	749.03	14.33	734.70
AW-22		7.64	749.00	5.90	743.10
AW-24		6.90	748.29	4.10	744.19
AW-27		10.00	749.10	4.36	744.74
AW-28		10.00	749.18	4.50	744.68
AW-29		10.00	749.21	4.48	744.73
AW-30		10.00	749.16	4.32	744.84
<u>Notes:</u> TOC: Top of Casing elevation All elevations reported as feet below grade					

Table 5
Soil Data Summary, 2024
Apex Tool Group
2125 Second Avenue SW
Cullman, Alabama
One Environmental Group

Sample ID	Sample Date	Chloromethane		n-Propylbenzene		Toluene		1,2,4-Trichlorobenzene		Trichloroethene		1,2,3-Trichloropropane		Vinyl chloride		m&p-Xylene		Xylene (Total)	
EPA Industrial RSL (mg/kg)		460		NE		47000		110		6		0.11		1.7		2400		2500	
SB-1 (0-2')	8/22/24	<0.0057	V	<0.0024		<0.0046		<0.0057		<0.0054		<0.0034		<0.0034	V	<0.0046		<0.0038	
SB-1 (2-5')	8/22/24	<0.0054	V	<0.0023		<0.0045		<0.0054		<0.0052		<0.0033		<0.0033	V	<0.0044		<0.0037	
SB-2 (0-2')	8/22/24	0.0062	J, V	<0.0023		0.0046	J	<0.0054		<0.0052		<0.0033		<0.0033	V	<0.0044		<0.0037	
SB-2 (2-5')	8/22/24	<0.0060	V	<0.0026		<0.0050		<0.0060		<0.0058		<0.0036		<0.0036	V	<0.0049		<0.0041	
SB-3 (0-2')	8/22/24	<0.0062	V	<0.0026		<0.0051		<0.0062		<0.0059		<0.0037		<0.0037	V	<0.0050		<0.0042	
SB-3 (2-5')	8/22/24	<0.0054	V	<0.0023		<0.0044		<0.0054		<0.0051		<0.0032		<0.0032	V	<0.0044		<0.0036	
SB-4 (0-2')	8/22/24	0.0073	J, V	<0.0022		0.0065		<0.0053		<0.0051		<0.0032		<0.0032	V	0.0079	J	0.0079	J
SB-4 (2-5')	8/22/24	<0.0057	V	<0.0024		<0.0047		<0.0057		<0.0055		<0.0034		<0.0034	V	<0.0046		<0.0039	
SB-5 (0-2')	8/22/24	<0.0057	V	<0.0024		<0.0046		<0.0057		<0.0054		<0.0034		<0.0034	V	<0.0046		<0.0038	
SB-5 (2-5')	8/22/24	<0.0065	V	<0.0027		<0.0053		0.0186		<0.0062		<0.0039		0.0142	J, V	<0.0053		<0.0044	
SB-6 (2-5')	8/22/24	<0.0054	V	<0.0023		<0.0045		<0.0054		0.276		<0.0033		<0.0033	V	<0.0044		<0.0037	
SB-7 (0-2')	8/22/24	<0.0054	V	<0.0023		<0.0044		<0.0054		<0.0052		<0.0033		<0.0033	V	<0.0044		<0.0037	
SB-7 (2-5')	8/22/24	0.0064	J, V	<0.0025		<0.0048		<0.0058		<0.0056		<0.0035		<0.0035	V	<0.0047		<0.0039	
SB-8 (0-2')	8/22/24	<0.0039	V	<0.0017		<0.0032		<0.0039		<0.0037		<0.0023		<0.0024	V	<0.0032		<0.0026	
SB-8 (2-5')	8/22/24	<0.0062	V	<0.0026		<0.0051		<0.0062		<0.0060		<0.0037		<0.0038	V	<0.0051		<0.0042	
SB-9 (0-2')	8/22/24	<0.0047	V	<0.0020		<0.0039		<0.0047		<0.0046		<0.0029		<0.0029	V	<0.0039		<0.0032	
SB-9 (2-5')	8/22/24	<0.0066	V	<0.0028		<0.0055		<0.0066		<0.0064		<0.0040		<0.0040	V	<0.0054		<0.0045	
SB-10 (0-2')	8/22/24	<0.0062	V	<0.0026		<0.0051		<0.0062		0.231		<0.0037		<0.0037	V	<0.0050		<0.0042	
SB-10 (2-5')	8/22/24	0.0071	J, V	<0.0022		<0.0043		<0.0052		<0.0050		<0.0031		<0.0032	V	<0.0042		<0.0035	
SB-10 (2-5') (DUP-01)	8/22/24	<0.0048		<0.0020		<0.0040		<0.0048		<0.0046		<0.0029		<0.0029		<0.0039		<0.0033	
SB-11 (0-2')	8/22/24	<0.0057	V	<0.0024		<0.0046		<0.0057		0.939		<0.0034		<0.0034	V	<0.0046		<0.0038	
SB-11 (2-5')	8/22/24	<0.0056	V	<0.0024		<0.0046		<0.0056		<0.0054		<0.0034		<0.0034	V	<0.0046		<0.0038	
SB-12 (0-2')	8/22/24	<0.0072		<0.0030		<0.0059		<0.0072		<0.0069		<0.0043		<0.0043		<0.0058		<0.0049	
SB-12 (2-5')	8/22/24	<0.0060		<0.0026		<0.0050		<0.0060		<0.0058		0.0045	J	<0.0037		<0.0049		<0.0041	
SB-13 (0-2')	8/22/24	<0.0050		<0.0021		<0.0041		<0.0050		<0.0048		<0.0030		<0.0030		<0.0041		<0.0034	
SB-13 (2-5')	8/22/24	<0.0063		<0.0026		<0.0051		<0.0063		<0.0060		<0.0038		<0.0038		<0.0051		<0.0042	
SB-14 (0-2')	8/22/24	<0.0058		<0.0025		<0.0048		<0.0058		<0.0056		<0.0035		<0.0035		<0.0047		<0.0039	
SB-14 (2-5')	8/22/24	<0.0064		<0.0027		<0.0053		<0.0064		<0.0061		<0.0039		<0.0039		<0.0052		<0.0043	
SB-15 (0-2')	8/22/24	<0.0054		<0.0023		<0.0045		<0.0054		<0.0052		<0.0033		<0.0033		<0.0044		<0.0037	
SB-15 (2-5')	8/22/24	<0.0054		<0.0023		<0.0044		<0.0054		<0.0052		<0.0033		<0.0033		<0.0044		<0.0037	
SB-16 (0-2')	8/22/24	<0.0058		<0.0024		<0.0047		<0.0058		<0.0055		<0.0035		<0.0035		<0.0047		<0.0039	
SB-16 (2-5')	8/22/24	<0.0066		<0.0028		<0.0054		<0.0066		<0.0063		<0.0039		<0.0040		<0.0053		<0.0044	
SB-17 (0-2')	8/22/24	<0.0075		<0.0032		<0.0062		<0.0075		<0.0072		<0.0045		<0.0045		<0.0061		<0.0051	
SB-17 (2-5')	8/22/24	<0.0079		<0.0034		<0.0065		<0.0079		<0.0076		<0.0048		<0.0048		<0.0065		<0.0054	
SB-18 (0-2')	8/22/24	<0.0053		<0.0022		0.0044	J	<0.0053		<0.0051		<0.0032		<0.0032		<0.0043		<0.0036	
SB-18 (2-5')	8/22/24	<0.0063		<0.0027		<0.0051		<0.0063		<0.0060		<0.0038		<0.0038		<0.0051		<0.0042	
SB-19 (0-2')	8/22/24	<0.0074		0.0044	J	<0.0061		<0.0074		<0.0071		<0.0044		<0.0045		0.0068	J	0.0068	J
SB-19 (2-5')	8/22/24	<0.0061		<0.0026		<0.0050		<0.0061		<0.0058		<0.0037		<0.0037		<0.0049		<0.0041	

Notes:
Results shaded and in bold exceed EPA RSL (Environmental Protection Agency Regional Screening Level) (May 2024)
Results reported in mg/kg (milligrams/kilogram)
NE = Not Established
J = Estimated concentration above adjusted method detection limit and below adjusted reporting limit.
V = Calibration verification above method acceptance limit. Detection may have high bias.

Table 6
Groundwater Data Summary, 2024
Apex Tool Group
2125 Second Avenue SW
Cullman, Alabama
One Environmental Group

Well ID	Sample Date	Acetone		Benzene		Chloroform		cis-1,2-DCE		trans-1,2-DCE		Methylene Chloride		1,1,2,2-Tetrachloroethane		Toluene		Trichloroethene		Vinyl Chloride	
EPA MCL (µg/L)		NE		5		80		70		100		5		NE		1000		5		2	
AW-4	8/21/24	<639		<43.1		<53.8		4,610		<49.5		<244		<28.1		<29.9		20,900		67.9	J
AW-7	8/20/24	<12.8	H	1.4	J, H, M, R	2.8	H, M, R	45.3	H,M	<0.99	H, M, R	9.6	J, H, R	<0.56	H, M, R	1.9	J, H, M, R	324	H,M	2.5	H, M, R
AW-9	8/21/24	<511		<34.5		50.7	J	15,500		679		295	J	<22.5		26.1	J	18,600		337	
AW-10	8/21/24	<10,200		<690		<860		22,200		<792		3,920	J	<450		<478		218,000		<772	
AW-15	8/21/24	<128		<8.6		<10.8		315		<9.9		70.4	J	<5.6		9.4	J	4,170		<9.6	
AW-18	8/21/24	<511		<34.5		<43.0		590		<9.9		<195		<22.5		<23.9		14,900		<38.6	
AW-20	8/21/24	<63.9		<4.3	M	<5.4		220	M	<5.0		<24.4		<0.22	M	<3.0		1,910	M	<4.8	
AW-22	8/20/24	<5.1		<0.34		<0.43		<0.38		<0.40		<2.0		<0.22		0.27	J	<0.38		<0.39	
AW-24	8/20/24	13.6	J	<0.34		<0.43		0.43	J	<0.40		<2.0		<0.22		0.43	J	0.87	J	<0.39	
AW-27	8/21/24	<1280		<86.2		<108		7,030		<99.0		794	J	<56.2		77.2	J	33,200		<96.5	
AW-28	8/21/24	<10,200		<690		<860		17,700		<792		<3900		<450		<478		244,000		<772	
AW-29	8/21/24	<12,800		<862		<1080		19,900		<990		5,570	J	<562		<598		448,000		<965	
AW-29 (DUP-01)	8/21/24	<12,800		<862		<1080		19,300		<990		<4880		<562		<598		427,000		<925	
AW-30	8/21/24	<2,560		<172		<215		954		<198		1,240	J	218	J	<120		54,500		<193	
EB-1	8/23/24	<5.1		<0.34		<0.43		<0.38		<0.40		2.8	J, C	<0.22		<0.24		<0.38		<0.39	
Trip Blank	8/23/24	<5.1		<0.34		<0.43		<0.38		<0.40		<2.0		<0.22		<0.24		<0.38		<0.39	

Notes:
Results shaded and in bold exceed EPA MCL (Environmental Protection Agency Maximum Contaminant Level) (May 2024)
Results reported in µg/L (micrograms/liter)
NE = Not Established
C = Common Laboratory Contaminan, result confirmed by second analysis.
J = Estimated concentration above adjusted method detection limit and below adjusted reporting limit.
H = Analysis conducted outside the EPA method holding time.
M = Matrix spike recovery exceeded QC limits, batch accepted based on laboratory control sample recovery.
R = Relative Percent Difference value was outside control limits.

FIGURES

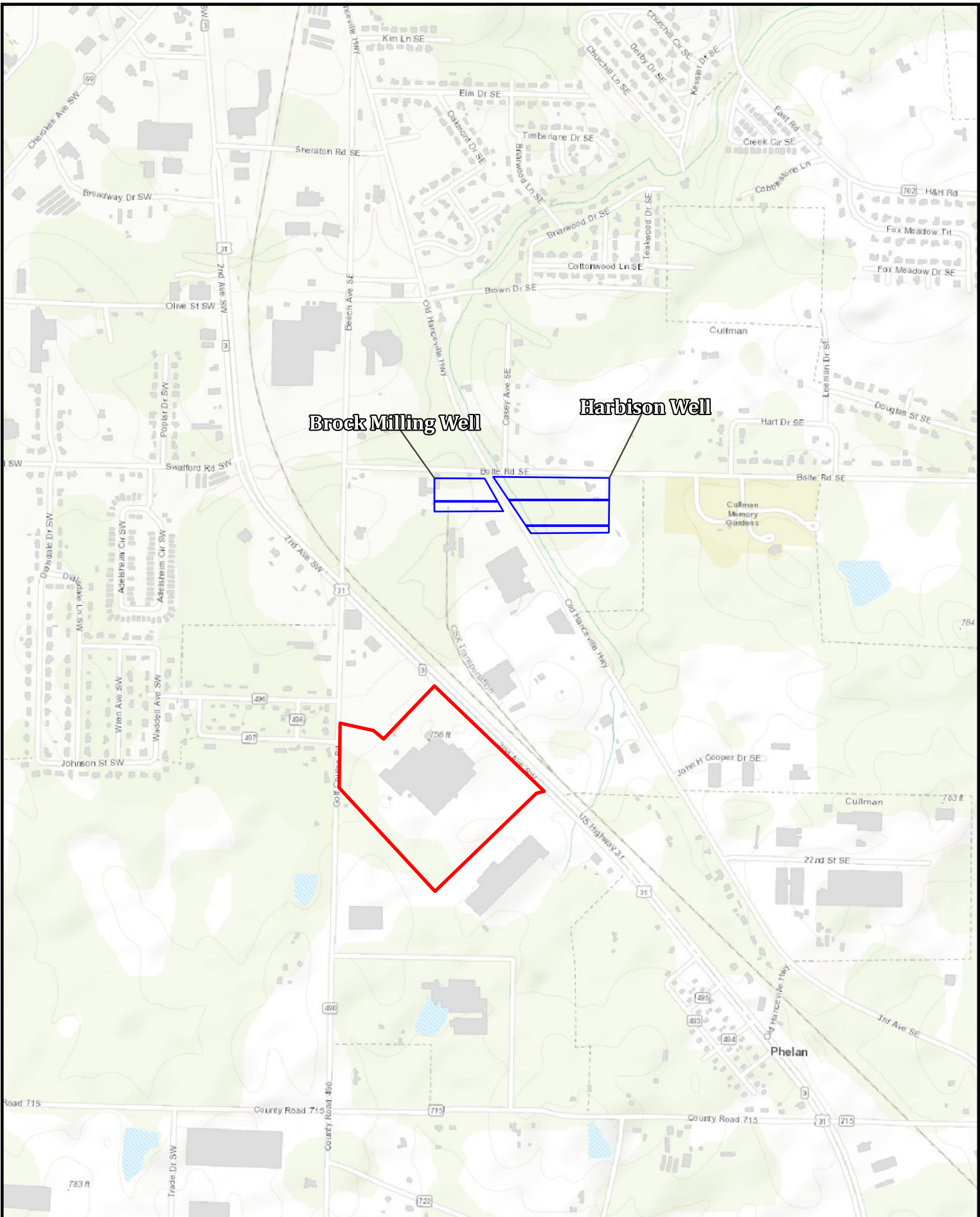


**Figure 1
Topographical
Site Location Map**

Former Cooper Tools, Inc.
2125 Second Avenue SW
Cullman, Alabama

- Subject Property
- Well Parcel Boundary

Notes:
Subject property boundary is
approximate.
Boundary is for Parcel B.

0 800 1,600 ft



Project
Manager: CC

Drawn By: BF

Date: Nov. 1,
2024

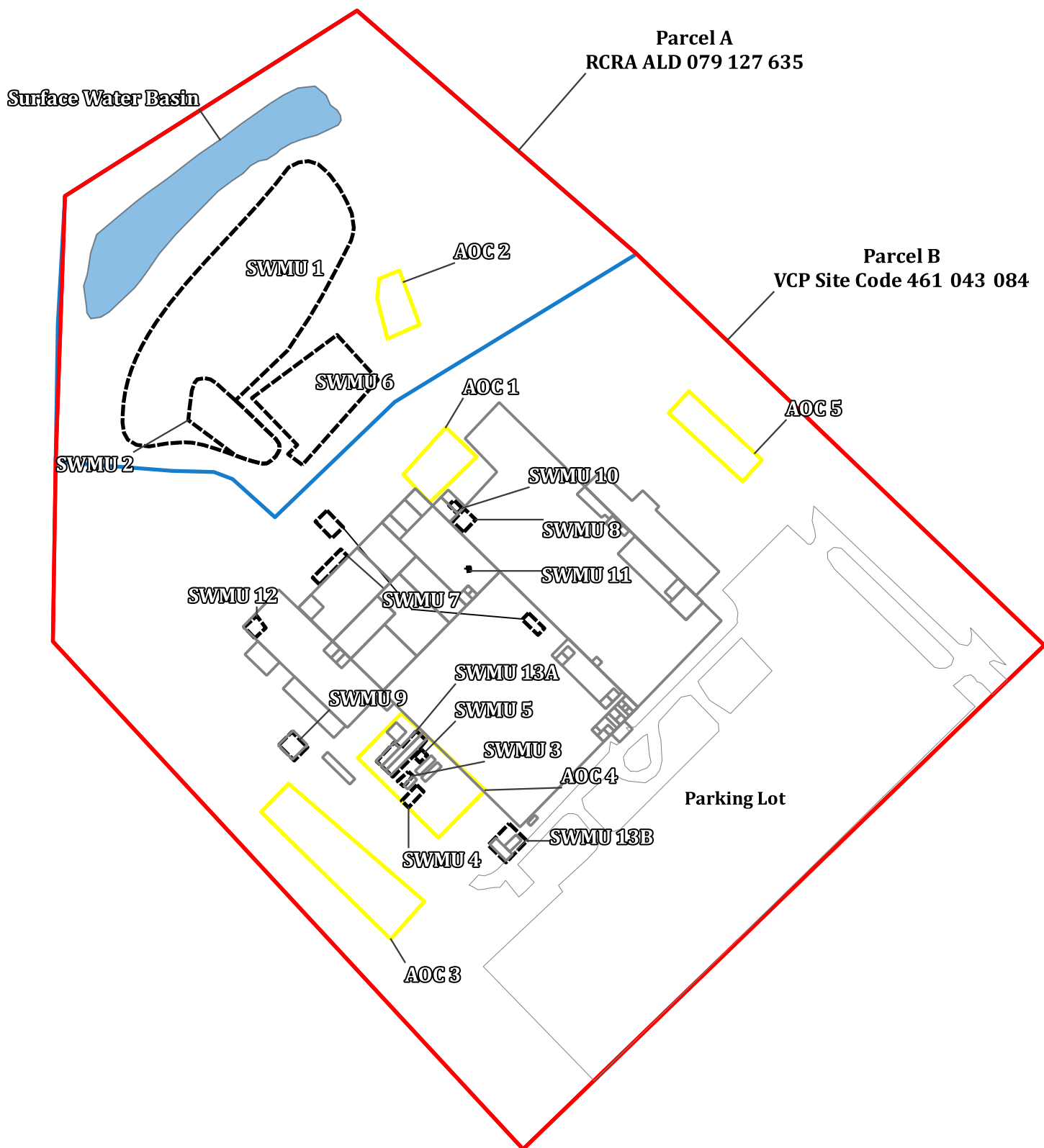


Figure 2
Site Map with AOCs and SWMUs

Former Cooper Tools, Inc.
2125 Second Avenue SW
Cullman, Alabama

- Parcel A
- Parcel B
- SWMU
- Area of Concern
- Building

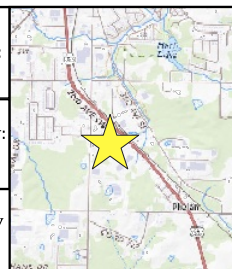
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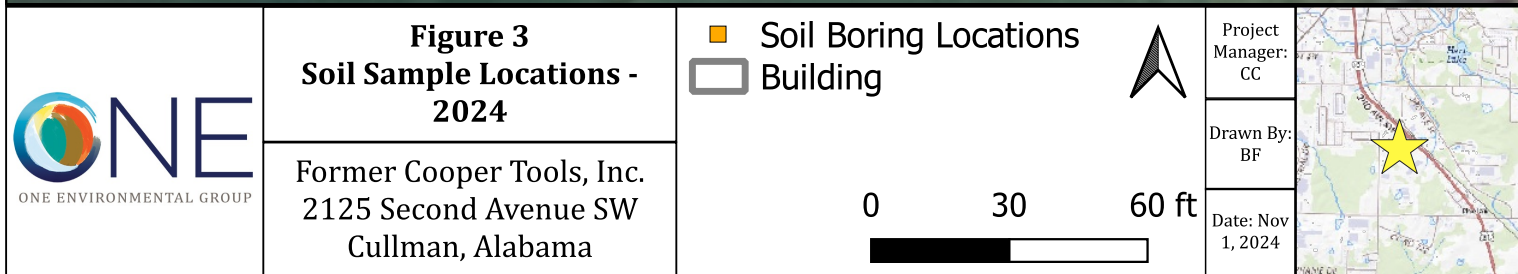


Project
Manager:
CC

Drawn By:
BF

Date: Nov
4, 2024





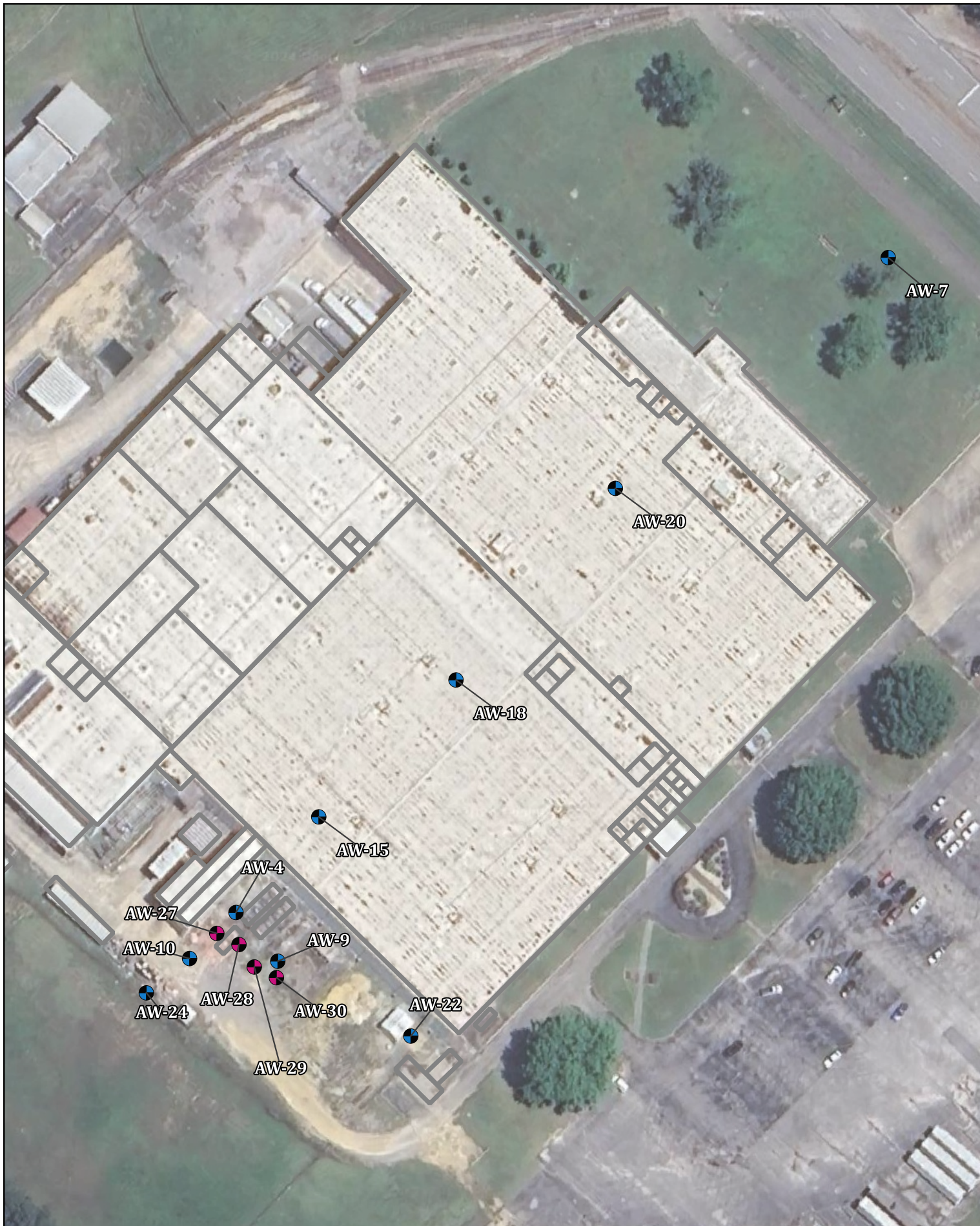


Figure 4
Groundwater Sample
Locations - 2024

Former Cooper Tools, Inc.
2125 Second Avenue SW
Cullman, Alabama

- Performance Monitoring Well
- Shallow Monitoring Well
- ▭ Building

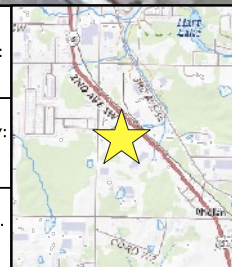


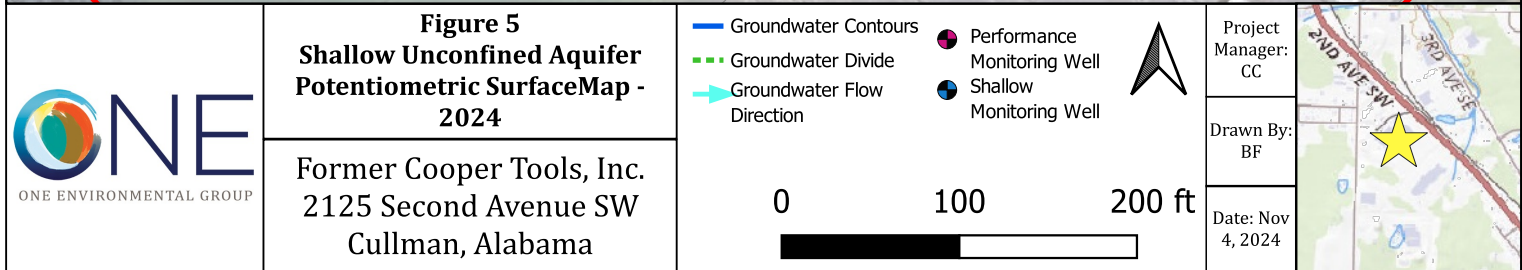
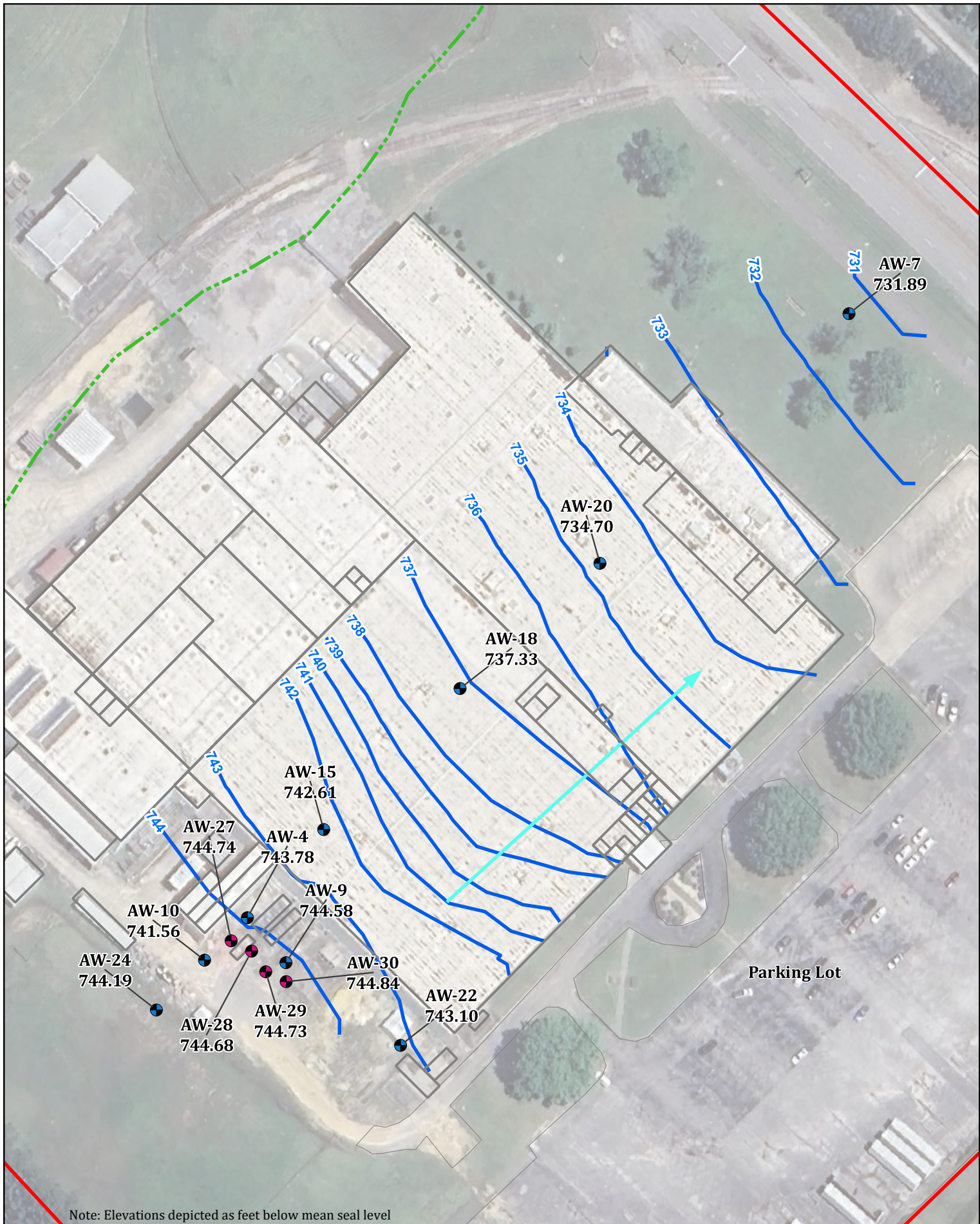
0 50 100 ft

Project
Manager:
CC

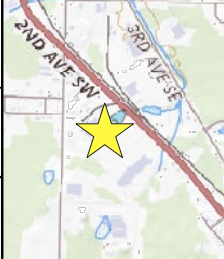
Drawn By:
BF

Date: Oct.
18, 2024







 ONE ONE ENVIRONMENTAL GROUP	Figure 6 Shallow Unconfined Aquifer TCE Isoconcentration Map - 2024	● Performance Monitoring Well ● Shallow Monitoring Well Building	 5-500 µg/L 500-5,000 µg/L 5,000-50,000 µg/L 50,000-500,000 µg/L		Project Manager: CC	
	Former Cooper Tools, Inc. 2125 Second Avenue SW Cullman, Alabama				Drawn By: BF	
	0 100 200 ft 				Date: Nov 4, 2024	

APPENDIX A



Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

March 15, 2022

ELECTRONICALLY TRANSMITTED

Mr. Todd Phillips
SR EHS Manager
Apex Tool Group, LLC
1000 Lufkin Road
Apex, North Carolina 27539

RE: Final Corrective Action Plan Parcel B Public Notice
Apex Tool Group, LLC (Former Cooper Tools, LLC)
2125 Second Avenue SW
Cullman, Cullman County, Alabama
VCP Site # 461-043-084

Dear Mr. Phillips:

The Alabama Department of Environmental Management (ADEM) has completed its review of the Final Corrective Action Plan Parcel B, dated April 30, 2021, submitted by Apex Tool Group, LLC. Based on our review, the Final Corrective Action Plan Parcel B appears to be programmatically adequate.

ADEM Admin. Code 335-15-6-.02 requires that the public be given a 30-day comment period from the date of the notice. The comment period will begin March 23, 2022, which is the date of publication of the public notice in major local newspaper(s) of general circulation and will end on April 22, 2022. Any person interested in commenting on the VCP Cleanup Plan must do so within the 30-day comment period discussed above.

If you have any questions or comments, please contact Tynechia Marshall at (334) 271-7919 or by email at tynechia.marshall@adem.alabama.gov.

Sincerely,

Austin R. Pierce, Chief
Engineering Services Section
Industrial Hazardous Waste Branch
Land Division

ARP/TM

cc/via email: Wood Environmental & Infrastructure Solutions, Inc.: Jay Bennett
(jay.bennett@woodplc.com)



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**NOTICE OF A PROPOSED VOLUNTARY CLEANUP PLAN UNDER THE ALABAMA LAND
RECYCLING AND ECONOMIC REDEVELOPMENT ACT (ALRERA) AND REQUEST FOR
COMMENTS**

PUBLIC NOTICE - 461

Cullman County

Apex Tool Group, LLC has submitted a Voluntary Cleanup Plan for the facility located at **2125 Second Avenue SW, Cullman, in Cullman County, Alabama**. The site has undergone extensive soil and groundwater sampling and will be subject to remedial activities. ADEM has completed the review of the draft Voluntary Cleanup Plan and found the plan to be technically adequate. The remedial strategy consists of soil vapor extraction, in-situ chemical oxidation, and monitored natural attenuation. The property will require institutional controls to be use at the site.

Copies of the fact sheet and Voluntary Cleanup Plan are available for public inspection electronically via <http://adem.alabama.gov/newsEvents/publicNotices.cnt>, and at the following location Monday – Friday (except legal holidays) during the hours of 8:00 a.m. to 5:00 p.m. for 30 days from the date of this notice. A nominal fee for copying and/or mailing may be charged. Arrangements for copying should be made in advance.

**Russell A. Kelly, Chief
Permits and Services Division
Alabama Department of Environmental Management
P.O. Box 301463 (Zip 36130-1463)
1400 Coliseum Boulevard (Zip 36110-2400)
Montgomery, Alabama
(334) 271-7714**

Persons wishing to comment may do so, in writing, to the Department's named contact above within 30 days following the publication date of this notice. In order to affect final decisions, comments must offer technically substantial information that is applicable to the proposed plan.

The Department maintains a list of interested individuals who are mailed legal notices regarding proposed permits. If you wish to receive such notices, contact the Permits & Services Division via telephone (334-271-7714), e-mail (permitsmail@adem.alabama.gov), or postal service (P.O. Box 301463, Montgomery, AL 36130-1463).

This notice is hereby given on **23rd day of March 2022**, by authorization of the Alabama Department of Environmental Management.

Lance LeFleur, Director

Nondiscrimination Statement: The Department does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in the administration of its programs.

Apex Tool Group, LLC (Former Cooper Tools, LLC)
Cullman, Alabama
ADEM VCP Site #: 461-043-084
Fact Sheet

A Voluntary Cleanup Program (VCP) Cleanup Work Plan has been found to be technically adequate by the Alabama Department of Environmental Management for the Apex Tool Group, LLC (Former Cooper Tools, LLC) site located in Cullman, Alabama. This fact sheet has been prepared to briefly advise the public of the principal legal and policy issues of the VCP.

I. VCP PROCESS

The VCP provides a mechanism for the implementation of a cleanup program that encourages applicants to voluntarily assess, remediate, and reuse rural and urban areas of actual or perceived contamination. The program does not relieve any "responsible person" of the liability for administrative, civil, or criminal fines or penalties which are otherwise authorized by law and imposed as a result of the illegal or unpermitted disposal of solid waste, hazardous waste, hazardous constituents, hazardous substances, petroleum products, and/or pollutants to the land, air, or waters of the State on an identified property. The program is designed to expedite the voluntary cleanup process and has been designed for entry at any stage of the cleanup process as long as all applicable criteria have been met up to the point of entry.

II. PROCEDURES FOR REACHING A FINAL DECISION

The Alabama Department of Environmental Management (ADEM) is proposing to issue Apex Tool Group, LLC (Former Cooper Tools, LLC) a final decision for the site remediation. The Cleanup Plan consists of soil vapor extraction, in-situ chemical oxidation, monitored natural attenuation, and implementation of an environmental covenant with use restrictions.

ADEM Admin Code R. 335-15-6-.02 requires that the public be given a 30-day comment period from the date of the notice. The comment period will begin on March 23, 2022, which is the date of publication of the public notice in major local newspaper(s) of general circulation, and will end on April 22, 2022.

All persons wishing to comment on any of the conditions of the VCP Remediation should submit their comments in writing to the Alabama Department of Environmental Management, Permits and Services Division, 1400 Coliseum Blvd. (Zip 36110). P.O. Box 301463 (Zip 36130-1463) Montgomery, Alabama, ATTENTION: Mr. Russell Kelly. Written comments on the VCP activities should be submitted to the Alabama Department of Environmental Management and be received by 5:00 p.m. on April 22, 2022.

ADEM will consider all written comments received during the comment period while making a final decision on this issue. When the Department makes its final decision, notice will be given to the applicant and each person who has submitted written comments or requested notice of the final decision.

III. FACILITY DESIGN

The Apex Tool Group, LLC (Former Cooper Tools, LLC) site is located at 2125 Second Avenue SW, in Cullman, Cullman County, Alabama. Land use within a four-mile radius of the site includes a mix of residential, commercial, agricultural, and industrial properties. The site was undeveloped land prior to the construction of National Screw and Manufacturing Company in the 1960s. The site was vacant for approximately one year from 1974 through 1975 when Cooper Industries relocated the Nicholson File operations to the site. Apex Tool Group, LLC took ownership of this site in 1975. The facility consisted of two distinct areas, Parcel A and B. Parcel A consists of RCRA Part B permitted closed landfill. Parcel B is the main plant area that consists of an approximate 280,000 square foot manufacturing building, associated parking areas, and shed structures. Parcel B was entered into the VCP program in 2014. Subsequently, Wood Environmental & Infrastructure Solutions, Inc. has completed Site Investigation activities under the VCP. The remedial strategy consists of soil vapor extraction, in-situ chemical oxidation, and monitored natural attenuation. Institutional controls will be used to eliminate or minimize potential exposure associated with the future use and/or development.

IV. TECHNICAL CONTACT

Tynechia Marshall, Project Manager
Engineering Services Section
Industrial Hazardous Waste Branch
Land Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard (Zip 36110)
P.O. Box 301463 (Zip 36130-1463)
Montgomery, Alabama
(334) 271-7919

APPENDIX B



September 09, 2024

Dylan Gottlieb
One Environmental
PO Box 30245
Charlotte, NC 28230

RE: Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Dear Dylan Gottlieb:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2024. 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 - Charlotte

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

Sincerely,

A handwritten signature in black ink that reads 'Matthew Brainard'.

Matthew Brainard
matthew.brainard@pacelabs.com
704-977-0942
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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



CERTIFICATIONS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92749616001	SB-6 (2-5)	Solid	08/22/24 14:49	08/24/24 12:00
92749616002	SB-7 (0-2)	Solid	08/22/24 13:22	08/24/24 12:00
92749616003	SB-7 (2-5)	Solid	08/22/24 13:24	08/24/24 12:00
92749616004	SB-8 (0-2)	Solid	08/22/24 13:26	08/24/24 12:00
92749616005	SB-8 (2-5)	Solid	08/22/24 13:28	08/24/24 12:00
92749616006	SB-9 (0-2)	Solid	08/22/24 13:39	08/24/24 12:00
92749616007	SB-9 (2-5)	Solid	08/22/24 13:40	08/24/24 12:00
92749616008	SB-10 (0-2)	Solid	08/22/24 13:55	08/24/24 12:00
92749616009	SB-10 (2-5)	Solid	08/22/24 13:54	08/24/24 12:00
92749616010	SB-1 (0-2)	Solid	08/22/24 16:09	08/24/24 12:00
92749616011	SB-1 (2-5)	Solid	08/22/24 16:10	08/24/24 12:00
92749616012	SB-2 (0-2)	Solid	08/22/24 16:04	08/24/24 12:00
92749616013	SB-2 (2-5)	Solid	08/22/24 16:03	08/24/24 12:00
92749616014	SB-3 (0-2)	Solid	08/22/24 15:36	08/24/24 12:00
92749616015	SB-3 (2-5)	Solid	08/22/24 15:37	08/24/24 12:00
92749616016	SB-4 (0-2)	Solid	08/22/24 15:35	08/24/24 12:00
92749616017	SB-4 (2-5)	Solid	08/22/24 15:34	08/24/24 12:00
92749616018	SB-5 (0-2)	Solid	08/22/24 15:02	08/24/24 12:00
92749616019	SB-5 (2-5)	Solid	08/22/24 15:03	08/24/24 12:00
92749616020	SB-11 (0-2)	Solid	08/22/24 14:10	08/24/24 12:00
92749616021	SB-11 (2-5)	Solid	08/22/24 14:09	08/24/24 12:00
92749616022	SB-12 (0-2)	Solid	08/22/24 14:36	08/24/24 12:00
92749616023	SB-12 (2-5)	Solid	08/22/24 14:35	08/24/24 12:00
92749616024	SB-13 (0-2)	Solid	08/22/24 12:00	08/24/24 12:00
92749616025	SB-13 (2-5)	Solid	08/22/24 12:03	08/24/24 12:00
92749616026	SB-14 (0-2)	Solid	08/22/24 12:06	08/24/24 12:00
92749616027	SB-14 (2-5)	Solid	08/22/24 12:07	08/24/24 12:00
92749616028	SB-15 (0-2)	Solid	08/22/24 12:15	08/24/24 12:00
92749616029	SB-15 (2-5)	Solid	08/22/24 12:17	08/24/24 12:00
92749616030	SB-16 (0-2)	Solid	08/22/24 12:30	08/24/24 12:00
92749616031	SB-16 (2-5)	Solid	08/22/24 12:32	08/24/24 12:00
92749616032	SB-17 (0-2)	Solid	08/22/24 12:49	08/24/24 12:00
92749616033	SB-17 (2-5)	Solid	08/22/24 12:52	08/24/24 12:00
92749616034	SB-18 (0-2)	Solid	08/22/24 12:55	08/24/24 12:00
92749616035	SB-18 (2-5)	Solid	08/22/24 12:57	08/24/24 12:00
92749616036	SB-19 (0-2)	Solid	08/22/24 13:10	08/24/24 12:00
92749616037	SB-19 (2-5)	Solid	08/22/24 13:13	08/24/24 12:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92749616038	DUP-01	Solid	08/22/24 10:00	08/24/24 12:00
92749616039	AW-24	Water	08/20/24 17:00	08/24/24 12:00
92749616040	AW-22	Water	08/20/24 17:25	08/24/24 12:00
92749616041	AW-7	Water	08/20/24 19:00	08/24/24 12:00
92749616042	AW-9	Water	08/21/24 10:25	08/24/24 12:00
92749616043	AW-10	Water	08/21/24 11:02	08/24/24 12:00
92749616044	AW-30	Water	08/21/24 11:55	08/24/24 12:00
92749616045	AW-27	Water	08/21/24 13:00	08/24/24 12:00
92749616046	AW-15	Water	08/21/24 13:55	08/24/24 12:00
92749616047	AW-18	Water	08/21/24 14:25	08/24/24 12:00
92749616048	AW-20	Water	08/21/24 14:55	08/24/24 12:00
92749616049	AW-29	Water	08/21/24 17:00	08/24/24 12:00
92749616050	AW-4	Water	08/21/24 17:25	08/24/24 12:00
92749616051	AW-28	Water	08/21/24 18:46	08/24/24 12:00
92749616052	DUP-01	Water	08/21/24 12:00	08/24/24 12:00
92749616053	IDW-1	Solid	08/23/24 10:30	08/24/24 12:00
92749616054	IDW-2	Solid	08/23/24 10:50	08/24/24 12:00
92749616055	EB-1	Water	08/23/24 11:20	08/24/24 12:00
92749616056	TRIP BLANK	Water	08/23/24 00:00	08/24/24 12:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92749616001	SB-6 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	CHC	1	PASI-C
92749616002	SB-7 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	CHC	1	PASI-C
92749616003	SB-7 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616004	SB-8 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616005	SB-8 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616006	SB-9 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616007	SB-9 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616008	SB-10 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616009	SB-10 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616010	SB-1 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616011	SB-1 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616012	SB-2 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616013	SB-2 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616014	SB-3 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616015	SB-3 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616016	SB-4 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616017	SB-4 (2-5)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616018	SB-5 (0-2)	EPA 8260D	SAS	74	PASI-C
		SW-846	KDF	1	PASI-C
92749616019	SB-5 (2-5)	EPA 8260D	SAS	74	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92749616020	SB-11 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616021	SB-11 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616022	SB-12 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616023	SB-12 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616024	SB-13 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616025	SB-13 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616026	SB-14 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616027	SB-14 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616028	SB-15 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616029	SB-15 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616030	SB-16 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616031	SB-16 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616032	SB-17 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616033	SB-17 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616034	SB-18 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616035	SB-18 (2-5)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616036	SB-19 (0-2)	SW-846	KDF	1	PASI-C
		EPA 8260D	SAS	74	PASI-C
92749616037	SB-19 (2-5)	SW-846	CHC	1	PASI-C
		EPA 8260D	SAS	74	PASI-C

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SAMPLE ANALYTE COUNT

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92749616038	DUP-01	EPA 8260D	SAS	74	PASI-C
		SW-846	CHC	1	PASI-C
92749616039	AW-24	EPA 8260D	GAW	74	PASI-C
92749616040	AW-22	EPA 8260D	GAW	74	PASI-C
92749616041	AW-7	EPA 8260D	TMK	74	PASI-C
92749616042	AW-9	EPA 8260D	TMK	74	PASI-C
92749616043	AW-10	EPA 8260D	TMK	74	PASI-C
92749616044	AW-30	EPA 8260D	TMK	74	PASI-C
92749616045	AW-27	EPA 8260D	TMK	74	PASI-C
92749616046	AW-15	EPA 8260D	TMK	74	PASI-C
92749616047	AW-18	EPA 8260D	TMH	74	PASI-C
92749616048	AW-20	EPA 8260D	TMH	74	PASI-C
92749616049	AW-29	EPA 8260D	TMK	74	PASI-C
92749616050	AW-4	EPA 8260D	TMH	74	PASI-C
92749616051	AW-28	EPA 8260D	TMH	74	PASI-C
92749616052	DUP-01	EPA 8260D	TMH	74	PASI-C
92749616053	IDW-1	EPA 8260D	SAS	14	PASI-C
92749616054	IDW-2	EPA 8260D	SAS	14	PASI-C
92749616055	EB-1	EPA 8260D	SAS	74	PASI-C
92749616056	TRIP BLANK	EPA 8260D	LMB	74	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-6 (2-5) Lab ID: 92749616001 Collected: 08/22/24 14:49 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	130	41.6	1	09/03/24 23:53	09/04/24 12:18	67-64-1	
Acrolein	ND	ug/kg	130	39.5	1	09/03/24 23:53	09/04/24 12:18	107-02-8	
Acrylonitrile	ND	ug/kg	130	22.5	1	09/03/24 23:53	09/04/24 12:18	107-13-1	
Benzene	ND	ug/kg	6.5	2.6	1	09/03/24 23:53	09/04/24 12:18	71-43-2	
Bromobenzene	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 12:18	108-86-1	
Bromochloromethane	ND	ug/kg	6.5	1.9	1	09/03/24 23:53	09/04/24 12:18	74-97-5	
Bromodichloromethane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 12:18	75-27-4	
Bromoform	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 12:18	75-25-2	
Bromomethane	ND	ug/kg	25.9	20.1	1	09/03/24 23:53	09/04/24 12:18	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	130	31.1	1	09/03/24 23:53	09/04/24 12:18	78-93-3	
n-Butylbenzene	ND	ug/kg	6.5	4.1	1	09/03/24 23:53	09/04/24 12:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.5	2.9	1	09/03/24 23:53	09/04/24 12:18	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 12:18	98-06-6	
Carbon disulfide	ND	ug/kg	13.0	8.1	1	09/03/24 23:53	09/04/24 12:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.5	2.4	1	09/03/24 23:53	09/04/24 12:18	56-23-5	
Chlorobenzene	ND	ug/kg	6.5	3.7	1	09/03/24 23:53	09/04/24 12:18	108-90-7	
Chloroethane	ND	ug/kg	13.0	5.0	1	09/03/24 23:53	09/04/24 12:18	75-00-3	
Chloroform	ND	ug/kg	6.5	5.4	1	09/03/24 23:53	09/04/24 12:18	67-66-3	
Chloromethane	ND	ug/kg	13.0	5.4	1	09/03/24 23:53	09/04/24 12:18	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 12:18	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 12:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 12:18	96-12-8	
Dibromochloromethane	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 12:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	2.9	1	09/03/24 23:53	09/04/24 12:18	106-93-4	
Dibromomethane	ND	ug/kg	6.5	1.4	1	09/03/24 23:53	09/04/24 12:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 12:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 12:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 12:18	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.0	6.6	1	09/03/24 23:53	09/04/24 12:18	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.5	2.7	1	09/03/24 23:53	09/04/24 12:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.5	4.3	1	09/03/24 23:53	09/04/24 12:18	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.5	2.7	1	09/03/24 23:53	09/04/24 12:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 12:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.5	5.5	1	09/03/24 23:53	09/04/24 12:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.5	1.9	1	09/03/24 23:53	09/04/24 12:18	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 12:18	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.5	4.9	1	09/03/24 23:53	09/04/24 12:18	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.5	3.1	1	09/03/24 23:53	09/04/24 12:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.8	1	09/03/24 23:53	09/04/24 12:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 12:18	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 12:18	108-20-3	
Ethylbenzene	ND	ug/kg	6.5	3.0	1	09/03/24 23:53	09/04/24 12:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.0	3.8	1	09/03/24 23:53	09/04/24 12:18	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.0	10.6	1	09/03/24 23:53	09/04/24 12:18	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-6 (2-5) Lab ID: 92749616001 Collected: 08/22/24 14:49 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 12:18	110-54-3	
2-Hexanone	ND	ug/kg	64.8	6.2	1	09/03/24 23:53	09/04/24 12:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 12:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.5	3.2	1	09/03/24 23:53	09/04/24 12:18	99-87-6	
Methylene Chloride	ND	ug/kg	25.9	17.8	1	09/03/24 23:53	09/04/24 12:18	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.8	6.2	1	09/03/24 23:53	09/04/24 12:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.5	2.4	1	09/03/24 23:53	09/04/24 12:18	1634-04-4	
Naphthalene	ND	ug/kg	6.5	3.4	1	09/03/24 23:53	09/04/24 12:18	91-20-3	
n-Propylbenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 12:18	103-65-1	
Styrene	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 12:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 12:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 12:18	79-34-5	
Tetrachloroethene	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 12:18	127-18-4	
Toluene	ND	ug/kg	6.5	4.5	1	09/03/24 23:53	09/04/24 12:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	5.2	1	09/03/24 23:53	09/04/24 12:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	5.4	1	09/03/24 23:53	09/04/24 12:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.5	3.4	1	09/03/24 23:53	09/04/24 12:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 12:18	79-00-5	
Trichloroethene	276	ug/kg	6.5	5.2	1	09/03/24 23:53	09/04/24 12:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 12:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.5	3.3	1	09/03/24 23:53	09/04/24 12:18	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 12:18	108-67-8	
Vinyl acetate	ND	ug/kg	64.8	13.3	1	09/03/24 23:53	09/04/24 12:18	108-05-4	
Vinyl chloride	ND	ug/kg	13.0	3.3	1	09/03/24 23:53	09/04/24 12:18	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.0	3.7	1	09/03/24 23:53	09/04/24 12:18	1330-20-7	
m&p-Xylene	ND	ug/kg	13.0	4.4	1	09/03/24 23:53	09/04/24 12:18	179601-23-1	
o-Xylene	ND	ug/kg	6.5	2.9	1	09/03/24 23:53	09/04/24 12:18	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 12:18	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/03/24 23:53	09/04/24 12:18	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	70-130		1	09/03/24 23:53	09/04/24 12:18	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.6	%	0.10	0.10	1		08/26/24 17:08		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-7 (0-2) Lab ID: 92749616002 Collected: 08/22/24 13:22 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	129	41.3	1	09/03/24 23:53	09/04/24 12:37	67-64-1	
Acrolein	ND	ug/kg	129	39.2	1	09/03/24 23:53	09/04/24 12:37	107-02-8	
Acrylonitrile	ND	ug/kg	129	22.4	1	09/03/24 23:53	09/04/24 12:37	107-13-1	
Benzene	ND	ug/kg	6.4	2.6	1	09/03/24 23:53	09/04/24 12:37	71-43-2	
Bromobenzene	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 12:37	108-86-1	
Bromochloromethane	ND	ug/kg	6.4	1.9	1	09/03/24 23:53	09/04/24 12:37	74-97-5	
Bromodichloromethane	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 12:37	75-27-4	
Bromoform	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 12:37	75-25-2	
Bromomethane	ND	ug/kg	25.7	19.9	1	09/03/24 23:53	09/04/24 12:37	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	129	30.8	1	09/03/24 23:53	09/04/24 12:37	78-93-3	
n-Butylbenzene	ND	ug/kg	6.4	4.0	1	09/03/24 23:53	09/04/24 12:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.4	2.8	1	09/03/24 23:53	09/04/24 12:37	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 12:37	98-06-6	
Carbon disulfide	ND	ug/kg	12.9	8.1	1	09/03/24 23:53	09/04/24 12:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.4	2.4	1	09/03/24 23:53	09/04/24 12:37	56-23-5	
Chlorobenzene	ND	ug/kg	6.4	3.7	1	09/03/24 23:53	09/04/24 12:37	108-90-7	
Chloroethane	ND	ug/kg	12.9	5.0	1	09/03/24 23:53	09/04/24 12:37	75-00-3	
Chloroform	ND	ug/kg	6.4	5.4	1	09/03/24 23:53	09/04/24 12:37	67-66-3	
Chloromethane	ND	ug/kg	12.9	5.4	1	09/03/24 23:53	09/04/24 12:37	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 12:37	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.4	3.6	1	09/03/24 23:53	09/04/24 12:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 12:37	96-12-8	
Dibromochloromethane	ND	ug/kg	6.4	3.6	1	09/03/24 23:53	09/04/24 12:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.4	2.8	1	09/03/24 23:53	09/04/24 12:37	106-93-4	
Dibromomethane	ND	ug/kg	6.4	1.4	1	09/03/24 23:53	09/04/24 12:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 12:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.4	2.0	1	09/03/24 23:53	09/04/24 12:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 12:37	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.9	6.5	1	09/03/24 23:53	09/04/24 12:37	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.4	2.6	1	09/03/24 23:53	09/04/24 12:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.4	4.3	1	09/03/24 23:53	09/04/24 12:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.4	2.6	1	09/03/24 23:53	09/04/24 12:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 12:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.4	5.5	1	09/03/24 23:53	09/04/24 12:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.4	1.9	1	09/03/24 23:53	09/04/24 12:37	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.4	2.0	1	09/03/24 23:53	09/04/24 12:37	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.4	4.9	1	09/03/24 23:53	09/04/24 12:37	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.4	3.1	1	09/03/24 23:53	09/04/24 12:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 12:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 12:37	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 12:37	108-20-3	
Ethylbenzene	ND	ug/kg	6.4	3.0	1	09/03/24 23:53	09/04/24 12:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.9	3.8	1	09/03/24 23:53	09/04/24 12:37	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.9	10.5	1	09/03/24 23:53	09/04/24 12:37	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-7 (0-2) Lab ID: 92749616002 Collected: 08/22/24 13:22 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 12:37	110-54-3	
2-Hexanone	ND	ug/kg	64.3	6.2	1	09/03/24 23:53	09/04/24 12:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 12:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.4	3.2	1	09/03/24 23:53	09/04/24 12:37	99-87-6	
Methylene Chloride	ND	ug/kg	25.7	17.6	1	09/03/24 23:53	09/04/24 12:37	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.3	6.2	1	09/03/24 23:53	09/04/24 12:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.4	2.4	1	09/03/24 23:53	09/04/24 12:37	1634-04-4	
Naphthalene	ND	ug/kg	6.4	3.4	1	09/03/24 23:53	09/04/24 12:37	91-20-3	
n-Propylbenzene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 12:37	103-65-1	
Styrene	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 12:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 12:37	79-34-5	
Tetrachloroethene	ND	ug/kg	6.4	2.0	1	09/03/24 23:53	09/04/24 12:37	127-18-4	
Toluene	ND	ug/kg	6.4	4.4	1	09/03/24 23:53	09/04/24 12:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.4	5.2	1	09/03/24 23:53	09/04/24 12:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.4	5.4	1	09/03/24 23:53	09/04/24 12:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.4	3.3	1	09/03/24 23:53	09/04/24 12:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 12:37	79-00-5	
Trichloroethene	ND	ug/kg	6.4	5.2	1	09/03/24 23:53	09/04/24 12:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.4	3.5	1	09/03/24 23:53	09/04/24 12:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.4	3.3	1	09/03/24 23:53	09/04/24 12:37	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 12:37	108-67-8	
Vinyl acetate	ND	ug/kg	64.3	13.2	1	09/03/24 23:53	09/04/24 12:37	108-05-4	
Vinyl chloride	ND	ug/kg	12.9	3.3	1	09/03/24 23:53	09/04/24 12:37	75-01-4	v1
Xylene (Total)	ND	ug/kg	12.9	3.7	1	09/03/24 23:53	09/04/24 12:37	1330-20-7	
m&p-Xylene	ND	ug/kg	12.9	4.4	1	09/03/24 23:53	09/04/24 12:37	179601-23-1	
o-Xylene	ND	ug/kg	6.4	2.8	1	09/03/24 23:53	09/04/24 12:37	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 12:37	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 12:37	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1	09/03/24 23:53	09/04/24 12:37	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.6	%	0.10	0.10	1		08/26/24 17:08		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-7 (2-5) Lab ID: 92749616003 Collected: 08/22/24 13:24 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	138	44.3	1	09/03/24 23:53	09/04/24 13:14	67-64-1	
Acrolein	ND	ug/kg	138	42.0	1	09/03/24 23:53	09/04/24 13:14	107-02-8	
Acrylonitrile	ND	ug/kg	138	24.0	1	09/03/24 23:53	09/04/24 13:14	107-13-1	
Benzene	ND	ug/kg	6.9	2.7	1	09/03/24 23:53	09/04/24 13:14	71-43-2	
Bromobenzene	ND	ug/kg	6.9	2.2	1	09/03/24 23:53	09/04/24 13:14	108-86-1	
Bromochloromethane	ND	ug/kg	6.9	2.0	1	09/03/24 23:53	09/04/24 13:14	74-97-5	
Bromodichloromethane	ND	ug/kg	6.9	2.7	1	09/03/24 23:53	09/04/24 13:14	75-27-4	
Bromoform	ND	ug/kg	6.9	2.4	1	09/03/24 23:53	09/04/24 13:14	75-25-2	
Bromomethane	ND	ug/kg	27.6	21.4	1	09/03/24 23:53	09/04/24 13:14	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	138	33.1	1	09/03/24 23:53	09/04/24 13:14	78-93-3	
n-Butylbenzene	ND	ug/kg	6.9	4.3	1	09/03/24 23:53	09/04/24 13:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.9	3.0	1	09/03/24 23:53	09/04/24 13:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.9	2.5	1	09/03/24 23:53	09/04/24 13:14	98-06-6	
Carbon disulfide	ND	ug/kg	13.8	8.7	1	09/03/24 23:53	09/04/24 13:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.9	2.6	1	09/03/24 23:53	09/04/24 13:14	56-23-5	
Chlorobenzene	ND	ug/kg	6.9	4.0	1	09/03/24 23:53	09/04/24 13:14	108-90-7	
Chloroethane	ND	ug/kg	13.8	5.3	1	09/03/24 23:53	09/04/24 13:14	75-00-3	
Chloroform	ND	ug/kg	6.9	5.8	1	09/03/24 23:53	09/04/24 13:14	67-66-3	
Chloromethane	6.4J	ug/kg	13.8	5.8	1	09/03/24 23:53	09/04/24 13:14	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.9	2.4	1	09/03/24 23:53	09/04/24 13:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.9	3.8	1	09/03/24 23:53	09/04/24 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	2.7	1	09/03/24 23:53	09/04/24 13:14	96-12-8	
Dibromochloromethane	ND	ug/kg	6.9	3.9	1	09/03/24 23:53	09/04/24 13:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	3.0	1	09/03/24 23:53	09/04/24 13:14	106-93-4	
Dibromomethane	ND	ug/kg	6.9	1.5	1	09/03/24 23:53	09/04/24 13:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.9	2.5	1	09/03/24 23:53	09/04/24 13:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.9	2.1	1	09/03/24 23:53	09/04/24 13:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.9	1.8	1	09/03/24 23:53	09/04/24 13:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.8	7.0	1	09/03/24 23:53	09/04/24 13:14	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.9	2.8	1	09/03/24 23:53	09/04/24 13:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.9	4.6	1	09/03/24 23:53	09/04/24 13:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.9	2.8	1	09/03/24 23:53	09/04/24 13:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.9	2.4	1	09/03/24 23:53	09/04/24 13:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.9	5.9	1	09/03/24 23:53	09/04/24 13:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.9	2.1	1	09/03/24 23:53	09/04/24 13:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.9	2.2	1	09/03/24 23:53	09/04/24 13:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.9	5.2	1	09/03/24 23:53	09/04/24 13:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.9	3.3	1	09/03/24 23:53	09/04/24 13:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1.9	1	09/03/24 23:53	09/04/24 13:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.9	2.4	1	09/03/24 23:53	09/04/24 13:14	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.9	1.9	1	09/03/24 23:53	09/04/24 13:14	108-20-3	
Ethylbenzene	ND	ug/kg	6.9	3.2	1	09/03/24 23:53	09/04/24 13:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.8	4.1	1	09/03/24 23:53	09/04/24 13:14	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.8	11.3	1	09/03/24 23:53	09/04/24 13:14	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-7 (2-5) Lab ID: 92749616003 Collected: 08/22/24 13:24 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.9	2.3	1	09/03/24 23:53	09/04/24 13:14	110-54-3	
2-Hexanone	ND	ug/kg	68.9	6.6	1	09/03/24 23:53	09/04/24 13:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	2.3	1	09/03/24 23:53	09/04/24 13:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.9	3.4	1	09/03/24 23:53	09/04/24 13:14	99-87-6	
Methylene Chloride	ND	ug/kg	27.6	18.9	1	09/03/24 23:53	09/04/24 13:14	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	68.9	6.6	1	09/03/24 23:53	09/04/24 13:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.9	2.6	1	09/03/24 23:53	09/04/24 13:14	1634-04-4	
Naphthalene	ND	ug/kg	6.9	3.6	1	09/03/24 23:53	09/04/24 13:14	91-20-3	
n-Propylbenzene	ND	ug/kg	6.9	2.5	1	09/03/24 23:53	09/04/24 13:14	103-65-1	
Styrene	ND	ug/kg	6.9	1.8	1	09/03/24 23:53	09/04/24 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	2.6	1	09/03/24 23:53	09/04/24 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1.8	1	09/03/24 23:53	09/04/24 13:14	79-34-5	
Tetrachloroethene	ND	ug/kg	6.9	2.2	1	09/03/24 23:53	09/04/24 13:14	127-18-4	
Toluene	ND	ug/kg	6.9	4.8	1	09/03/24 23:53	09/04/24 13:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	5.6	1	09/03/24 23:53	09/04/24 13:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	5.8	1	09/03/24 23:53	09/04/24 13:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.9	3.6	1	09/03/24 23:53	09/04/24 13:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.9	2.3	1	09/03/24 23:53	09/04/24 13:14	79-00-5	
Trichloroethene	ND	ug/kg	6.9	5.6	1	09/03/24 23:53	09/04/24 13:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.9	3.8	1	09/03/24 23:53	09/04/24 13:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.9	3.5	1	09/03/24 23:53	09/04/24 13:14	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	2.3	1	09/03/24 23:53	09/04/24 13:14	108-67-8	
Vinyl acetate	ND	ug/kg	68.9	14.2	1	09/03/24 23:53	09/04/24 13:14	108-05-4	
Vinyl chloride	ND	ug/kg	13.8	3.5	1	09/03/24 23:53	09/04/24 13:14	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.8	3.9	1	09/03/24 23:53	09/04/24 13:14	1330-20-7	
m&p-Xylene	ND	ug/kg	13.8	4.7	1	09/03/24 23:53	09/04/24 13:14	179601-23-1	
o-Xylene	ND	ug/kg	6.9	3.0	1	09/03/24 23:53	09/04/24 13:14	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 13:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1	09/03/24 23:53	09/04/24 13:14	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1	09/03/24 23:53	09/04/24 13:14	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	17.0	%	0.10	0.10	1		08/26/24 17:30		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-8 (0-2) Lab ID: 92749616004 Collected: 08/22/24 13:26 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	92.9	29.8	1	09/03/24 23:53	09/04/24 13:33	67-64-1	
Acrolein	ND	ug/kg	92.9	28.3	1	09/03/24 23:53	09/04/24 13:33	107-02-8	
Acrylonitrile	ND	ug/kg	92.9	16.2	1	09/03/24 23:53	09/04/24 13:33	107-13-1	
Benzene	ND	ug/kg	4.6	1.8	1	09/03/24 23:53	09/04/24 13:33	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1.5	1	09/03/24 23:53	09/04/24 13:33	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1.4	1	09/03/24 23:53	09/04/24 13:33	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.8	1	09/03/24 23:53	09/04/24 13:33	75-27-4	
Bromoform	ND	ug/kg	4.6	1.6	1	09/03/24 23:53	09/04/24 13:33	75-25-2	
Bromomethane	ND	ug/kg	18.6	14.4	1	09/03/24 23:53	09/04/24 13:33	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	92.9	22.3	1	09/03/24 23:53	09/04/24 13:33	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	2.9	1	09/03/24 23:53	09/04/24 13:33	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	2.0	1	09/03/24 23:53	09/04/24 13:33	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1.7	1	09/03/24 23:53	09/04/24 13:33	98-06-6	
Carbon disulfide	ND	ug/kg	9.3	5.8	1	09/03/24 23:53	09/04/24 13:33	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1.7	1	09/03/24 23:53	09/04/24 13:33	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	2.7	1	09/03/24 23:53	09/04/24 13:33	108-90-7	
Chloroethane	ND	ug/kg	9.3	3.6	1	09/03/24 23:53	09/04/24 13:33	75-00-3	
Chloroform	ND	ug/kg	4.6	3.9	1	09/03/24 23:53	09/04/24 13:33	67-66-3	
Chloromethane	ND	ug/kg	9.3	3.9	1	09/03/24 23:53	09/04/24 13:33	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	4.6	1.6	1	09/03/24 23:53	09/04/24 13:33	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	2.6	1	09/03/24 23:53	09/04/24 13:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1.8	1	09/03/24 23:53	09/04/24 13:33	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	2.6	1	09/03/24 23:53	09/04/24 13:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	2.0	1	09/03/24 23:53	09/04/24 13:33	106-93-4	
Dibromomethane	ND	ug/kg	4.6	0.99	1	09/03/24 23:53	09/04/24 13:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.7	1	09/03/24 23:53	09/04/24 13:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.4	1	09/03/24 23:53	09/04/24 13:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.2	1	09/03/24 23:53	09/04/24 13:33	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.3	4.7	1	09/03/24 23:53	09/04/24 13:33	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	4.6	1.9	1	09/03/24 23:53	09/04/24 13:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	3.1	1	09/03/24 23:53	09/04/24 13:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.9	1	09/03/24 23:53	09/04/24 13:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.6	1	09/03/24 23:53	09/04/24 13:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	3.9	1	09/03/24 23:53	09/04/24 13:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.4	1	09/03/24 23:53	09/04/24 13:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1.4	1	09/03/24 23:53	09/04/24 13:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	3.5	1	09/03/24 23:53	09/04/24 13:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	2.2	1	09/03/24 23:53	09/04/24 13:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.3	1	09/03/24 23:53	09/04/24 13:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.6	1	09/03/24 23:53	09/04/24 13:33	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1.3	1	09/03/24 23:53	09/04/24 13:33	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	2.2	1	09/03/24 23:53	09/04/24 13:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	9.3	2.8	1	09/03/24 23:53	09/04/24 13:33	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	9.3	7.6	1	09/03/24 23:53	09/04/24 13:33	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-8 (0-2) Lab ID: 92749616004 Collected: 08/22/24 13:26 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	4.6	1.5	1	09/03/24 23:53	09/04/24 13:33	110-54-3	
2-Hexanone	ND	ug/kg	46.4	4.5	1	09/03/24 23:53	09/04/24 13:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.6	1	09/03/24 23:53	09/04/24 13:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	2.3	1	09/03/24 23:53	09/04/24 13:33	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	12.7	1	09/03/24 23:53	09/04/24 13:33	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.4	4.5	1	09/03/24 23:53	09/04/24 13:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.7	1	09/03/24 23:53	09/04/24 13:33	1634-04-4	
Naphthalene	ND	ug/kg	4.6	2.4	1	09/03/24 23:53	09/04/24 13:33	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1.7	1	09/03/24 23:53	09/04/24 13:33	103-65-1	
Styrene	ND	ug/kg	4.6	1.2	1	09/03/24 23:53	09/04/24 13:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1.8	1	09/03/24 23:53	09/04/24 13:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.2	1	09/03/24 23:53	09/04/24 13:33	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.5	1	09/03/24 23:53	09/04/24 13:33	127-18-4	
Toluene	ND	ug/kg	4.6	3.2	1	09/03/24 23:53	09/04/24 13:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	3.8	1	09/03/24 23:53	09/04/24 13:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	3.9	1	09/03/24 23:53	09/04/24 13:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	2.4	1	09/03/24 23:53	09/04/24 13:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.5	1	09/03/24 23:53	09/04/24 13:33	79-00-5	
Trichloroethene	ND	ug/kg	4.6	3.7	1	09/03/24 23:53	09/04/24 13:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.6	1	09/03/24 23:53	09/04/24 13:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	2.3	1	09/03/24 23:53	09/04/24 13:33	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1.6	1	09/03/24 23:53	09/04/24 13:33	108-67-8	
Vinyl acetate	ND	ug/kg	46.4	9.6	1	09/03/24 23:53	09/04/24 13:33	108-05-4	
Vinyl chloride	ND	ug/kg	9.3	2.4	1	09/03/24 23:53	09/04/24 13:33	75-01-4	v1
Xylene (Total)	ND	ug/kg	9.3	2.6	1	09/03/24 23:53	09/04/24 13:33	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	3.2	1	09/03/24 23:53	09/04/24 13:33	179601-23-1	
o-Xylene	ND	ug/kg	4.6	2.1	1	09/03/24 23:53	09/04/24 13:33	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 13:33	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 13:33	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1	09/03/24 23:53	09/04/24 13:33	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	12.7	%	0.10	0.10	1		08/26/24 17:30		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-8 (2-5) Lab ID: 92749616005 Collected: 08/22/24 13:28 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	148	47.5	1	09/03/24 23:53	09/04/24 13:51	67-64-1	
Acrolein	ND	ug/kg	148	45.1	1	09/03/24 23:53	09/04/24 13:51	107-02-8	
Acrylonitrile	ND	ug/kg	148	25.8	1	09/03/24 23:53	09/04/24 13:51	107-13-1	
Benzene	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 13:51	71-43-2	
Bromobenzene	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 13:51	108-86-1	
Bromochloromethane	ND	ug/kg	7.4	2.2	1	09/03/24 23:53	09/04/24 13:51	74-97-5	
Bromodichloromethane	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 13:51	75-27-4	
Bromoform	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 13:51	75-25-2	
Bromomethane	ND	ug/kg	29.6	22.9	1	09/03/24 23:53	09/04/24 13:51	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	148	35.5	1	09/03/24 23:53	09/04/24 13:51	78-93-3	
n-Butylbenzene	ND	ug/kg	7.4	4.7	1	09/03/24 23:53	09/04/24 13:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.4	3.3	1	09/03/24 23:53	09/04/24 13:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 13:51	98-06-6	
Carbon disulfide	ND	ug/kg	14.8	9.3	1	09/03/24 23:53	09/04/24 13:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 13:51	56-23-5	
Chlorobenzene	ND	ug/kg	7.4	4.2	1	09/03/24 23:53	09/04/24 13:51	108-90-7	
Chloroethane	ND	ug/kg	14.8	5.7	1	09/03/24 23:53	09/04/24 13:51	75-00-3	
Chloroform	ND	ug/kg	7.4	6.2	1	09/03/24 23:53	09/04/24 13:51	67-66-3	
Chloromethane	ND	ug/kg	14.8	6.2	1	09/03/24 23:53	09/04/24 13:51	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 13:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 13:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 13:51	96-12-8	
Dibromochloromethane	ND	ug/kg	7.4	4.2	1	09/03/24 23:53	09/04/24 13:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.4	3.3	1	09/03/24 23:53	09/04/24 13:51	106-93-4	
Dibromomethane	ND	ug/kg	7.4	1.6	1	09/03/24 23:53	09/04/24 13:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.4	2.7	1	09/03/24 23:53	09/04/24 13:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 13:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 13:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.8	7.5	1	09/03/24 23:53	09/04/24 13:51	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	7.4	3.1	1	09/03/24 23:53	09/04/24 13:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.4	4.9	1	09/03/24 23:53	09/04/24 13:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.4	3.1	1	09/03/24 23:53	09/04/24 13:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 13:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.4	6.3	1	09/03/24 23:53	09/04/24 13:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.4	2.2	1	09/03/24 23:53	09/04/24 13:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 13:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.4	5.6	1	09/03/24 23:53	09/04/24 13:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.4	3.6	1	09/03/24 23:53	09/04/24 13:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 13:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 13:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 13:51	108-20-3	
Ethylbenzene	ND	ug/kg	7.4	3.4	1	09/03/24 23:53	09/04/24 13:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.8	4.4	1	09/03/24 23:53	09/04/24 13:51	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.8	12.1	1	09/03/24 23:53	09/04/24 13:51	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-8 (2-5) Lab ID: 92749616005 Collected: 08/22/24 13:28 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 13:51	110-54-3	
2-Hexanone	ND	ug/kg	74.0	7.1	1	09/03/24 23:53	09/04/24 13:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 13:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.4	3.6	1	09/03/24 23:53	09/04/24 13:51	99-87-6	
Methylene Chloride	ND	ug/kg	29.6	20.3	1	09/03/24 23:53	09/04/24 13:51	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	74.0	7.1	1	09/03/24 23:53	09/04/24 13:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 13:51	1634-04-4	
Naphthalene	ND	ug/kg	7.4	3.9	1	09/03/24 23:53	09/04/24 13:51	91-20-3	
n-Propylbenzene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 13:51	103-65-1	
Styrene	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 13:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 13:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 13:51	79-34-5	
Tetrachloroethene	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 13:51	127-18-4	
Toluene	ND	ug/kg	7.4	5.1	1	09/03/24 23:53	09/04/24 13:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.4	6.0	1	09/03/24 23:53	09/04/24 13:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.4	6.2	1	09/03/24 23:53	09/04/24 13:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.4	3.8	1	09/03/24 23:53	09/04/24 13:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 13:51	79-00-5	
Trichloroethene	ND	ug/kg	7.4	6.0	1	09/03/24 23:53	09/04/24 13:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 13:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.4	3.7	1	09/03/24 23:53	09/04/24 13:51	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 13:51	108-67-8	
Vinyl acetate	ND	ug/kg	74.0	15.2	1	09/03/24 23:53	09/04/24 13:51	108-05-4	
Vinyl chloride	ND	ug/kg	14.8	3.8	1	09/03/24 23:53	09/04/24 13:51	75-01-4	v1
Xylene (Total)	ND	ug/kg	14.8	4.2	1	09/03/24 23:53	09/04/24 13:51	1330-20-7	
m&p-Xylene	ND	ug/kg	14.8	5.1	1	09/03/24 23:53	09/04/24 13:51	179601-23-1	
o-Xylene	ND	ug/kg	7.4	3.3	1	09/03/24 23:53	09/04/24 13:51	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 13:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/03/24 23:53	09/04/24 13:51	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/03/24 23:53	09/04/24 13:51	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.3	%	0.10	0.10	1		08/26/24 17:30		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-9 (0-2) Lab ID: 92749616006 Collected: 08/22/24 13:39 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	113	36.3	1	09/03/24 23:53	09/04/24 14:10	67-64-1	
Acrolein	ND	ug/kg	113	34.5	1	09/03/24 23:53	09/04/24 14:10	107-02-8	
Acrylonitrile	ND	ug/kg	113	19.7	1	09/03/24 23:53	09/04/24 14:10	107-13-1	
Benzene	ND	ug/kg	5.7	2.3	1	09/03/24 23:53	09/04/24 14:10	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1.8	1	09/03/24 23:53	09/04/24 14:10	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1.7	1	09/03/24 23:53	09/04/24 14:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.2	1	09/03/24 23:53	09/04/24 14:10	75-27-4	
Bromoform	ND	ug/kg	5.7	2.0	1	09/03/24 23:53	09/04/24 14:10	75-25-2	
Bromomethane	ND	ug/kg	22.6	17.5	1	09/03/24 23:53	09/04/24 14:10	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	113	27.1	1	09/03/24 23:53	09/04/24 14:10	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	3.6	1	09/03/24 23:53	09/04/24 14:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	2.5	1	09/03/24 23:53	09/04/24 14:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	2.0	1	09/03/24 23:53	09/04/24 14:10	98-06-6	
Carbon disulfide	ND	ug/kg	11.3	7.1	1	09/03/24 23:53	09/04/24 14:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	2.1	1	09/03/24 23:53	09/04/24 14:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	3.2	1	09/03/24 23:53	09/04/24 14:10	108-90-7	
Chloroethane	ND	ug/kg	11.3	4.4	1	09/03/24 23:53	09/04/24 14:10	75-00-3	
Chloroform	ND	ug/kg	5.7	4.7	1	09/03/24 23:53	09/04/24 14:10	67-66-3	
Chloromethane	ND	ug/kg	11.3	4.7	1	09/03/24 23:53	09/04/24 14:10	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	5.7	2.0	1	09/03/24 23:53	09/04/24 14:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	3.1	1	09/03/24 23:53	09/04/24 14:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	2.2	1	09/03/24 23:53	09/04/24 14:10	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	3.2	1	09/03/24 23:53	09/04/24 14:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.5	1	09/03/24 23:53	09/04/24 14:10	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1.2	1	09/03/24 23:53	09/04/24 14:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.0	1	09/03/24 23:53	09/04/24 14:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1.8	1	09/03/24 23:53	09/04/24 14:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1.5	1	09/03/24 23:53	09/04/24 14:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.3	5.8	1	09/03/24 23:53	09/04/24 14:10	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	5.7	2.3	1	09/03/24 23:53	09/04/24 14:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	3.7	1	09/03/24 23:53	09/04/24 14:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.3	1	09/03/24 23:53	09/04/24 14:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1.9	1	09/03/24 23:53	09/04/24 14:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	4.8	1	09/03/24 23:53	09/04/24 14:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.7	1	09/03/24 23:53	09/04/24 14:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1.8	1	09/03/24 23:53	09/04/24 14:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	4.3	1	09/03/24 23:53	09/04/24 14:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	2.7	1	09/03/24 23:53	09/04/24 14:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1.5	1	09/03/24 23:53	09/04/24 14:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1.9	1	09/03/24 23:53	09/04/24 14:10	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1.5	1	09/03/24 23:53	09/04/24 14:10	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	2.6	1	09/03/24 23:53	09/04/24 14:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	11.3	3.4	1	09/03/24 23:53	09/04/24 14:10	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	11.3	9.3	1	09/03/24 23:53	09/04/24 14:10	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-9 (0-2) Lab ID: 92749616006 Collected: 08/22/24 13:39 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	5.7	1.9	1	09/03/24 23:53	09/04/24 14:10	110-54-3	
2-Hexanone	ND	ug/kg	56.5	5.5	1	09/03/24 23:53	09/04/24 14:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1.9	1	09/03/24 23:53	09/04/24 14:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	2.8	1	09/03/24 23:53	09/04/24 14:10	99-87-6	
Methylene Chloride	ND	ug/kg	22.6	15.5	1	09/03/24 23:53	09/04/24 14:10	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.5	5.5	1	09/03/24 23:53	09/04/24 14:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	2.1	1	09/03/24 23:53	09/04/24 14:10	1634-04-4	
Naphthalene	ND	ug/kg	5.7	3.0	1	09/03/24 23:53	09/04/24 14:10	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	2.0	1	09/03/24 23:53	09/04/24 14:10	103-65-1	
Styrene	ND	ug/kg	5.7	1.5	1	09/03/24 23:53	09/04/24 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	2.2	1	09/03/24 23:53	09/04/24 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1.5	1	09/03/24 23:53	09/04/24 14:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1.8	1	09/03/24 23:53	09/04/24 14:10	127-18-4	
Toluene	ND	ug/kg	5.7	3.9	1	09/03/24 23:53	09/04/24 14:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	4.6	1	09/03/24 23:53	09/04/24 14:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	4.7	1	09/03/24 23:53	09/04/24 14:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	2.9	1	09/03/24 23:53	09/04/24 14:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1.9	1	09/03/24 23:53	09/04/24 14:10	79-00-5	
Trichloroethene	ND	ug/kg	5.7	4.6	1	09/03/24 23:53	09/04/24 14:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	3.1	1	09/03/24 23:53	09/04/24 14:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	2.9	1	09/03/24 23:53	09/04/24 14:10	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1.9	1	09/03/24 23:53	09/04/24 14:10	108-67-8	
Vinyl acetate	ND	ug/kg	56.5	11.6	1	09/03/24 23:53	09/04/24 14:10	108-05-4	
Vinyl chloride	ND	ug/kg	11.3	2.9	1	09/03/24 23:53	09/04/24 14:10	75-01-4	v1
Xylene (Total)	ND	ug/kg	11.3	3.2	1	09/03/24 23:53	09/04/24 14:10	1330-20-7	
m&p-Xylene	ND	ug/kg	11.3	3.9	1	09/03/24 23:53	09/04/24 14:10	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.5	1	09/03/24 23:53	09/04/24 14:10	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 14:10	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1	09/03/24 23:53	09/04/24 14:10	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	11.7	%	0.10	0.10	1		08/26/24 17:31		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-9 (2-5) Lab ID: 92749616007 Collected: 08/22/24 13:40 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	158	50.7	1	09/03/24 23:53	09/04/24 14:29	67-64-1	
Acrolein	ND	ug/kg	158	48.1	1	09/03/24 23:53	09/04/24 14:29	107-02-8	
Acrylonitrile	ND	ug/kg	158	27.5	1	09/03/24 23:53	09/04/24 14:29	107-13-1	
Benzene	ND	ug/kg	7.9	3.1	1	09/03/24 23:53	09/04/24 14:29	71-43-2	
Bromobenzene	ND	ug/kg	7.9	2.6	1	09/03/24 23:53	09/04/24 14:29	108-86-1	
Bromochloromethane	ND	ug/kg	7.9	2.3	1	09/03/24 23:53	09/04/24 14:29	74-97-5	
Bromodichloromethane	ND	ug/kg	7.9	3.0	1	09/03/24 23:53	09/04/24 14:29	75-27-4	
Bromoform	ND	ug/kg	7.9	2.8	1	09/03/24 23:53	09/04/24 14:29	75-25-2	
Bromomethane	ND	ug/kg	31.6	24.5	1	09/03/24 23:53	09/04/24 14:29	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	158	37.9	1	09/03/24 23:53	09/04/24 14:29	78-93-3	
n-Butylbenzene	ND	ug/kg	7.9	5.0	1	09/03/24 23:53	09/04/24 14:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.9	3.5	1	09/03/24 23:53	09/04/24 14:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.9	2.8	1	09/03/24 23:53	09/04/24 14:29	98-06-6	
Carbon disulfide	ND	ug/kg	15.8	9.9	1	09/03/24 23:53	09/04/24 14:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.9	3.0	1	09/03/24 23:53	09/04/24 14:29	56-23-5	
Chlorobenzene	ND	ug/kg	7.9	4.5	1	09/03/24 23:53	09/04/24 14:29	108-90-7	
Chloroethane	ND	ug/kg	15.8	6.1	1	09/03/24 23:53	09/04/24 14:29	75-00-3	
Chloroform	ND	ug/kg	7.9	6.6	1	09/03/24 23:53	09/04/24 14:29	67-66-3	
Chloromethane	ND	ug/kg	15.8	6.6	1	09/03/24 23:53	09/04/24 14:29	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	7.9	2.8	1	09/03/24 23:53	09/04/24 14:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.9	4.4	1	09/03/24 23:53	09/04/24 14:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.9	3.1	1	09/03/24 23:53	09/04/24 14:29	96-12-8	
Dibromochloromethane	ND	ug/kg	7.9	4.4	1	09/03/24 23:53	09/04/24 14:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.9	3.5	1	09/03/24 23:53	09/04/24 14:29	106-93-4	
Dibromomethane	ND	ug/kg	7.9	1.7	1	09/03/24 23:53	09/04/24 14:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.9	2.8	1	09/03/24 23:53	09/04/24 14:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.9	2.4	1	09/03/24 23:53	09/04/24 14:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.9	2.1	1	09/03/24 23:53	09/04/24 14:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.8	8.0	1	09/03/24 23:53	09/04/24 14:29	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	7.9	3.3	1	09/03/24 23:53	09/04/24 14:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.9	5.2	1	09/03/24 23:53	09/04/24 14:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.9	3.3	1	09/03/24 23:53	09/04/24 14:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.9	2.7	1	09/03/24 23:53	09/04/24 14:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.9	6.7	1	09/03/24 23:53	09/04/24 14:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.9	2.4	1	09/03/24 23:53	09/04/24 14:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.9	2.5	1	09/03/24 23:53	09/04/24 14:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.9	6.0	1	09/03/24 23:53	09/04/24 14:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.9	3.8	1	09/03/24 23:53	09/04/24 14:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.9	2.1	1	09/03/24 23:53	09/04/24 14:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.9	2.7	1	09/03/24 23:53	09/04/24 14:29	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.9	2.1	1	09/03/24 23:53	09/04/24 14:29	108-20-3	
Ethylbenzene	ND	ug/kg	7.9	3.7	1	09/03/24 23:53	09/04/24 14:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	15.8	4.7	1	09/03/24 23:53	09/04/24 14:29	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	15.8	12.9	1	09/03/24 23:53	09/04/24 14:29	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-9 (2-5) Lab ID: 92749616007 Collected: 08/22/24 13:40 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.9	2.6	1	09/03/24 23:53	09/04/24 14:29	110-54-3	
2-Hexanone	ND	ug/kg	79.0	7.6	1	09/03/24 23:53	09/04/24 14:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.9	2.7	1	09/03/24 23:53	09/04/24 14:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.9	3.9	1	09/03/24 23:53	09/04/24 14:29	99-87-6	
Methylene Chloride	ND	ug/kg	31.6	21.6	1	09/03/24 23:53	09/04/24 14:29	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	79.0	7.6	1	09/03/24 23:53	09/04/24 14:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.9	3.0	1	09/03/24 23:53	09/04/24 14:29	1634-04-4	
Naphthalene	ND	ug/kg	7.9	4.2	1	09/03/24 23:53	09/04/24 14:29	91-20-3	
n-Propylbenzene	ND	ug/kg	7.9	2.8	1	09/03/24 23:53	09/04/24 14:29	103-65-1	
Styrene	ND	ug/kg	7.9	2.1	1	09/03/24 23:53	09/04/24 14:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.9	3.0	1	09/03/24 23:53	09/04/24 14:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.9	2.1	1	09/03/24 23:53	09/04/24 14:29	79-34-5	
Tetrachloroethene	ND	ug/kg	7.9	2.5	1	09/03/24 23:53	09/04/24 14:29	127-18-4	
Toluene	ND	ug/kg	7.9	5.5	1	09/03/24 23:53	09/04/24 14:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.9	6.4	1	09/03/24 23:53	09/04/24 14:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.9	6.6	1	09/03/24 23:53	09/04/24 14:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.9	4.1	1	09/03/24 23:53	09/04/24 14:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.9	2.6	1	09/03/24 23:53	09/04/24 14:29	79-00-5	
Trichloroethene	ND	ug/kg	7.9	6.4	1	09/03/24 23:53	09/04/24 14:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.9	4.3	1	09/03/24 23:53	09/04/24 14:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.9	4.0	1	09/03/24 23:53	09/04/24 14:29	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.9	2.7	1	09/03/24 23:53	09/04/24 14:29	108-67-8	
Vinyl acetate	ND	ug/kg	79.0	16.3	1	09/03/24 23:53	09/04/24 14:29	108-05-4	
Vinyl chloride	ND	ug/kg	15.8	4.0	1	09/03/24 23:53	09/04/24 14:29	75-01-4	v1
Xylene (Total)	ND	ug/kg	15.8	4.5	1	09/03/24 23:53	09/04/24 14:29	1330-20-7	
m&p-Xylene	ND	ug/kg	15.8	5.4	1	09/03/24 23:53	09/04/24 14:29	179601-23-1	
o-Xylene	ND	ug/kg	7.9	3.5	1	09/03/24 23:53	09/04/24 14:29	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 14:29	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/03/24 23:53	09/04/24 14:29	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1	09/03/24 23:53	09/04/24 14:29	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	16.8	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-10 (0-2) Lab ID: 92749616008 Collected: 08/22/24 13:55 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	147	47.3	1	09/03/24 23:53	09/04/24 14:47	67-64-1	
Acrolein	ND	ug/kg	147	44.9	1	09/03/24 23:53	09/04/24 14:47	107-02-8	
Acrylonitrile	ND	ug/kg	147	25.7	1	09/03/24 23:53	09/04/24 14:47	107-13-1	
Benzene	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 14:47	71-43-2	
Bromobenzene	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 14:47	108-86-1	
Bromochloromethane	ND	ug/kg	7.4	2.2	1	09/03/24 23:53	09/04/24 14:47	74-97-5	
Bromodichloromethane	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 14:47	75-27-4	
Bromoform	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 14:47	75-25-2	
Bromomethane	ND	ug/kg	29.5	22.9	1	09/03/24 23:53	09/04/24 14:47	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	147	35.4	1	09/03/24 23:53	09/04/24 14:47	78-93-3	
n-Butylbenzene	ND	ug/kg	7.4	4.6	1	09/03/24 23:53	09/04/24 14:47	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.4	3.2	1	09/03/24 23:53	09/04/24 14:47	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 14:47	98-06-6	
Carbon disulfide	ND	ug/kg	14.7	9.3	1	09/03/24 23:53	09/04/24 14:47	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 14:47	56-23-5	
Chlorobenzene	ND	ug/kg	7.4	4.2	1	09/03/24 23:53	09/04/24 14:47	108-90-7	
Chloroethane	ND	ug/kg	14.7	5.7	1	09/03/24 23:53	09/04/24 14:47	75-00-3	
Chloroform	ND	ug/kg	7.4	6.2	1	09/03/24 23:53	09/04/24 14:47	67-66-3	
Chloromethane	ND	ug/kg	14.7	6.2	1	09/03/24 23:53	09/04/24 14:47	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 14:47	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 14:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 14:47	96-12-8	
Dibromochloromethane	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 14:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.4	3.2	1	09/03/24 23:53	09/04/24 14:47	106-93-4	
Dibromomethane	ND	ug/kg	7.4	1.6	1	09/03/24 23:53	09/04/24 14:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.4	2.7	1	09/03/24 23:53	09/04/24 14:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 14:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 14:47	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.7	7.5	1	09/03/24 23:53	09/04/24 14:47	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	7.4	3.0	1	09/03/24 23:53	09/04/24 14:47	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.4	4.9	1	09/03/24 23:53	09/04/24 14:47	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.4	3.0	1	09/03/24 23:53	09/04/24 14:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 14:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.4	6.3	1	09/03/24 23:53	09/04/24 14:47	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.4	2.2	1	09/03/24 23:53	09/04/24 14:47	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 14:47	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.4	5.6	1	09/03/24 23:53	09/04/24 14:47	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.4	3.5	1	09/03/24 23:53	09/04/24 14:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 14:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 14:47	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 14:47	108-20-3	
Ethylbenzene	ND	ug/kg	7.4	3.4	1	09/03/24 23:53	09/04/24 14:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.7	4.4	1	09/03/24 23:53	09/04/24 14:47	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.7	12.1	1	09/03/24 23:53	09/04/24 14:47	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-10 (0-2) Lab ID: 92749616008 Collected: 08/22/24 13:55 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 14:47	110-54-3	
2-Hexanone	ND	ug/kg	73.7	7.1	1	09/03/24 23:53	09/04/24 14:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 14:47	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.4	3.6	1	09/03/24 23:53	09/04/24 14:47	99-87-6	
Methylene Chloride	ND	ug/kg	29.5	20.2	1	09/03/24 23:53	09/04/24 14:47	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	73.7	7.1	1	09/03/24 23:53	09/04/24 14:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 14:47	1634-04-4	
Naphthalene	ND	ug/kg	7.4	3.9	1	09/03/24 23:53	09/04/24 14:47	91-20-3	
n-Propylbenzene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 14:47	103-65-1	
Styrene	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 14:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 14:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 14:47	79-34-5	
Tetrachloroethene	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 14:47	127-18-4	
Toluene	ND	ug/kg	7.4	5.1	1	09/03/24 23:53	09/04/24 14:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.4	6.0	1	09/03/24 23:53	09/04/24 14:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.4	6.2	1	09/03/24 23:53	09/04/24 14:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.4	3.8	1	09/03/24 23:53	09/04/24 14:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 14:47	79-00-5	
Trichloroethene	231	ug/kg	7.4	5.9	1	09/03/24 23:53	09/04/24 14:47	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 14:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.4	3.7	1	09/03/24 23:53	09/04/24 14:47	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 14:47	108-67-8	
Vinyl acetate	ND	ug/kg	73.7	15.2	1	09/03/24 23:53	09/04/24 14:47	108-05-4	
Vinyl chloride	ND	ug/kg	14.7	3.7	1	09/03/24 23:53	09/04/24 14:47	75-01-4	v1
Xylene (Total)	ND	ug/kg	14.7	4.2	1	09/03/24 23:53	09/04/24 14:47	1330-20-7	
m&p-Xylene	ND	ug/kg	14.7	5.0	1	09/03/24 23:53	09/04/24 14:47	179601-23-1	
o-Xylene	ND	ug/kg	7.4	3.3	1	09/03/24 23:53	09/04/24 14:47	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 14:47	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 14:47	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1	09/03/24 23:53	09/04/24 14:47	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.7	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-10 (2-5) Lab ID: 92749616009 Collected: 08/22/24 13:54 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	124	39.8	1	09/03/24 23:53	09/04/24 15:06	67-64-1	
Acrolein	ND	ug/kg	124	37.8	1	09/03/24 23:53	09/04/24 15:06	107-02-8	
Acrylonitrile	ND	ug/kg	124	21.6	1	09/03/24 23:53	09/04/24 15:06	107-13-1	
Benzene	ND	ug/kg	6.2	2.5	1	09/03/24 23:53	09/04/24 15:06	71-43-2	
Bromobenzene	ND	ug/kg	6.2	2.0	1	09/03/24 23:53	09/04/24 15:06	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	1.8	1	09/03/24 23:53	09/04/24 15:06	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	2.4	1	09/03/24 23:53	09/04/24 15:06	75-27-4	
Bromoform	ND	ug/kg	6.2	2.2	1	09/03/24 23:53	09/04/24 15:06	75-25-2	
Bromomethane	ND	ug/kg	24.8	19.2	1	09/03/24 23:53	09/04/24 15:06	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	124	29.8	1	09/03/24 23:53	09/04/24 15:06	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	3.9	1	09/03/24 23:53	09/04/24 15:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	2.7	1	09/03/24 23:53	09/04/24 15:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	2.2	1	09/03/24 23:53	09/04/24 15:06	98-06-6	
Carbon disulfide	ND	ug/kg	12.4	7.8	1	09/03/24 23:53	09/04/24 15:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.2	2.3	1	09/03/24 23:53	09/04/24 15:06	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	3.6	1	09/03/24 23:53	09/04/24 15:06	108-90-7	
Chloroethane	ND	ug/kg	12.4	4.8	1	09/03/24 23:53	09/04/24 15:06	75-00-3	
Chloroform	ND	ug/kg	6.2	5.2	1	09/03/24 23:53	09/04/24 15:06	67-66-3	
Chloromethane	7.1J	ug/kg	12.4	5.2	1	09/03/24 23:53	09/04/24 15:06	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.2	2.2	1	09/03/24 23:53	09/04/24 15:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	3.5	1	09/03/24 23:53	09/04/24 15:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	2.4	1	09/03/24 23:53	09/04/24 15:06	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	3.5	1	09/03/24 23:53	09/04/24 15:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	2.7	1	09/03/24 23:53	09/04/24 15:06	106-93-4	
Dibromomethane	ND	ug/kg	6.2	1.3	1	09/03/24 23:53	09/04/24 15:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	2.2	1	09/03/24 23:53	09/04/24 15:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.9	1	09/03/24 23:53	09/04/24 15:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.6	1	09/03/24 23:53	09/04/24 15:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.4	6.3	1	09/03/24 23:53	09/04/24 15:06	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.2	2.6	1	09/03/24 23:53	09/04/24 15:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	4.1	1	09/03/24 23:53	09/04/24 15:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	2.6	1	09/03/24 23:53	09/04/24 15:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	2.1	1	09/03/24 23:53	09/04/24 15:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	5.3	1	09/03/24 23:53	09/04/24 15:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	1.9	1	09/03/24 23:53	09/04/24 15:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	1.9	1	09/03/24 23:53	09/04/24 15:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	4.7	1	09/03/24 23:53	09/04/24 15:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.2	3.0	1	09/03/24 23:53	09/04/24 15:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.7	1	09/03/24 23:53	09/04/24 15:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	2.1	1	09/03/24 23:53	09/04/24 15:06	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.2	1.7	1	09/03/24 23:53	09/04/24 15:06	108-20-3	
Ethylbenzene	ND	ug/kg	6.2	2.9	1	09/03/24 23:53	09/04/24 15:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.4	3.7	1	09/03/24 23:53	09/04/24 15:06	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.4	10.2	1	09/03/24 23:53	09/04/24 15:06	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-10 (2-5) Lab ID: 92749616009 Collected: 08/22/24 13:54 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.2	2.0	1	09/03/24 23:53	09/04/24 15:06	110-54-3	
2-Hexanone	ND	ug/kg	62.1	6.0	1	09/03/24 23:53	09/04/24 15:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	2.1	1	09/03/24 23:53	09/04/24 15:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	3.1	1	09/03/24 23:53	09/04/24 15:06	99-87-6	
Methylene Chloride	ND	ug/kg	24.8	17.0	1	09/03/24 23:53	09/04/24 15:06	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.1	6.0	1	09/03/24 23:53	09/04/24 15:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	2.3	1	09/03/24 23:53	09/04/24 15:06	1634-04-4	
Naphthalene	ND	ug/kg	6.2	3.3	1	09/03/24 23:53	09/04/24 15:06	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	2.2	1	09/03/24 23:53	09/04/24 15:06	103-65-1	
Styrene	ND	ug/kg	6.2	1.6	1	09/03/24 23:53	09/04/24 15:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	2.4	1	09/03/24 23:53	09/04/24 15:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.6	1	09/03/24 23:53	09/04/24 15:06	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	2.0	1	09/03/24 23:53	09/04/24 15:06	127-18-4	
Toluene	ND	ug/kg	6.2	4.3	1	09/03/24 23:53	09/04/24 15:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	5.0	1	09/03/24 23:53	09/04/24 15:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	5.2	1	09/03/24 23:53	09/04/24 15:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	3.2	1	09/03/24 23:53	09/04/24 15:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	2.1	1	09/03/24 23:53	09/04/24 15:06	79-00-5	
Trichloroethene	ND	ug/kg	6.2	5.0	1	09/03/24 23:53	09/04/24 15:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	3.4	1	09/03/24 23:53	09/04/24 15:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	3.1	1	09/03/24 23:53	09/04/24 15:06	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	2.1	1	09/03/24 23:53	09/04/24 15:06	108-67-8	
Vinyl acetate	ND	ug/kg	62.1	12.8	1	09/03/24 23:53	09/04/24 15:06	108-05-4	
Vinyl chloride	ND	ug/kg	12.4	3.2	1	09/03/24 23:53	09/04/24 15:06	75-01-4	v1
Xylene (Total)	ND	ug/kg	12.4	3.5	1	09/03/24 23:53	09/04/24 15:06	1330-20-7	
m&p-Xylene	ND	ug/kg	12.4	4.2	1	09/03/24 23:53	09/04/24 15:06	179601-23-1	
o-Xylene	ND	ug/kg	6.2	2.7	1	09/03/24 23:53	09/04/24 15:06	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 15:06	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 15:06	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/03/24 23:53	09/04/24 15:06	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	12.5	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-1 (0-2) Lab ID: 92749616010 Collected: 08/22/24 16:09 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	135	43.2	1	09/03/24 23:53	09/04/24 15:25	67-64-1	
Acrolein	ND	ug/kg	135	41.0	1	09/03/24 23:53	09/04/24 15:25	107-02-8	
Acrylonitrile	ND	ug/kg	135	23.4	1	09/03/24 23:53	09/04/24 15:25	107-13-1	
Benzene	ND	ug/kg	6.7	2.7	1	09/03/24 23:53	09/04/24 15:25	71-43-2	
Bromobenzene	ND	ug/kg	6.7	2.2	1	09/03/24 23:53	09/04/24 15:25	108-86-1	
Bromochloromethane	ND	ug/kg	6.7	2.0	1	09/03/24 23:53	09/04/24 15:25	74-97-5	
Bromodichloromethane	ND	ug/kg	6.7	2.6	1	09/03/24 23:53	09/04/24 15:25	75-27-4	
Bromoform	ND	ug/kg	6.7	2.4	1	09/03/24 23:53	09/04/24 15:25	75-25-2	
Bromomethane	ND	ug/kg	26.9	20.9	1	09/03/24 23:53	09/04/24 15:25	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	135	32.3	1	09/03/24 23:53	09/04/24 15:25	78-93-3	
n-Butylbenzene	ND	ug/kg	6.7	4.2	1	09/03/24 23:53	09/04/24 15:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.7	3.0	1	09/03/24 23:53	09/04/24 15:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.7	2.4	1	09/03/24 23:53	09/04/24 15:25	98-06-6	
Carbon disulfide	ND	ug/kg	13.5	8.5	1	09/03/24 23:53	09/04/24 15:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.7	2.5	1	09/03/24 23:53	09/04/24 15:25	56-23-5	
Chlorobenzene	ND	ug/kg	6.7	3.9	1	09/03/24 23:53	09/04/24 15:25	108-90-7	
Chloroethane	ND	ug/kg	13.5	5.2	1	09/03/24 23:53	09/04/24 15:25	75-00-3	
Chloroform	ND	ug/kg	6.7	5.6	1	09/03/24 23:53	09/04/24 15:25	67-66-3	
Chloromethane	ND	ug/kg	13.5	5.7	1	09/03/24 23:53	09/04/24 15:25	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.7	2.4	1	09/03/24 23:53	09/04/24 15:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.7	3.7	1	09/03/24 23:53	09/04/24 15:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	2.6	1	09/03/24 23:53	09/04/24 15:25	96-12-8	
Dibromochloromethane	ND	ug/kg	6.7	3.8	1	09/03/24 23:53	09/04/24 15:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.7	3.0	1	09/03/24 23:53	09/04/24 15:25	106-93-4	
Dibromomethane	ND	ug/kg	6.7	1.4	1	09/03/24 23:53	09/04/24 15:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.7	2.4	1	09/03/24 23:53	09/04/24 15:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.7	2.1	1	09/03/24 23:53	09/04/24 15:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.7	1.8	1	09/03/24 23:53	09/04/24 15:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.5	6.9	1	09/03/24 23:53	09/04/24 15:25	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.7	2.8	1	09/03/24 23:53	09/04/24 15:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.7	4.5	1	09/03/24 23:53	09/04/24 15:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.7	2.8	1	09/03/24 23:53	09/04/24 15:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.7	2.3	1	09/03/24 23:53	09/04/24 15:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.7	5.7	1	09/03/24 23:53	09/04/24 15:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.7	2.0	1	09/03/24 23:53	09/04/24 15:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.7	2.1	1	09/03/24 23:53	09/04/24 15:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.7	5.1	1	09/03/24 23:53	09/04/24 15:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.7	3.2	1	09/03/24 23:53	09/04/24 15:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.7	1.8	1	09/03/24 23:53	09/04/24 15:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.7	2.3	1	09/03/24 23:53	09/04/24 15:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.7	1.8	1	09/03/24 23:53	09/04/24 15:25	108-20-3	
Ethylbenzene	ND	ug/kg	6.7	3.1	1	09/03/24 23:53	09/04/24 15:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.5	4.0	1	09/03/24 23:53	09/04/24 15:25	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.5	11.0	1	09/03/24 23:53	09/04/24 15:25	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-1 (0-2) Lab ID: 92749616010 Collected: 08/22/24 16:09 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.7	2.2	1	09/03/24 23:53	09/04/24 15:25	110-54-3	
2-Hexanone	ND	ug/kg	67.3	6.5	1	09/03/24 23:53	09/04/24 15:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.7	2.3	1	09/03/24 23:53	09/04/24 15:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.7	3.3	1	09/03/24 23:53	09/04/24 15:25	99-87-6	
Methylene Chloride	ND	ug/kg	26.9	18.5	1	09/03/24 23:53	09/04/24 15:25	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.3	6.5	1	09/03/24 23:53	09/04/24 15:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.7	2.5	1	09/03/24 23:53	09/04/24 15:25	1634-04-4	
Naphthalene	ND	ug/kg	6.7	3.5	1	09/03/24 23:53	09/04/24 15:25	91-20-3	
n-Propylbenzene	ND	ug/kg	6.7	2.4	1	09/03/24 23:53	09/04/24 15:25	103-65-1	
Styrene	ND	ug/kg	6.7	1.8	1	09/03/24 23:53	09/04/24 15:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.7	2.6	1	09/03/24 23:53	09/04/24 15:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.7	1.8	1	09/03/24 23:53	09/04/24 15:25	79-34-5	
Tetrachloroethene	ND	ug/kg	6.7	2.1	1	09/03/24 23:53	09/04/24 15:25	127-18-4	
Toluene	ND	ug/kg	6.7	4.6	1	09/03/24 23:53	09/04/24 15:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.7	5.4	1	09/03/24 23:53	09/04/24 15:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.7	5.7	1	09/03/24 23:53	09/04/24 15:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.7	3.5	1	09/03/24 23:53	09/04/24 15:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.7	2.2	1	09/03/24 23:53	09/04/24 15:25	79-00-5	
Trichloroethene	ND	ug/kg	6.7	5.4	1	09/03/24 23:53	09/04/24 15:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.7	3.7	1	09/03/24 23:53	09/04/24 15:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.7	3.4	1	09/03/24 23:53	09/04/24 15:25	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.7	2.3	1	09/03/24 23:53	09/04/24 15:25	108-67-8	
Vinyl acetate	ND	ug/kg	67.3	13.9	1	09/03/24 23:53	09/04/24 15:25	108-05-4	
Vinyl chloride	ND	ug/kg	13.5	3.4	1	09/03/24 23:53	09/04/24 15:25	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.5	3.8	1	09/03/24 23:53	09/04/24 15:25	1330-20-7	
m&p-Xylene	ND	ug/kg	13.5	4.6	1	09/03/24 23:53	09/04/24 15:25	179601-23-1	
o-Xylene	ND	ug/kg	6.7	3.0	1	09/03/24 23:53	09/04/24 15:25	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 15:25	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 15:25	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/03/24 23:53	09/04/24 15:25	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	7.4	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-1 (2-5) Lab ID: 92749616011 Collected: 08/22/24 16:10 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	129	41.5	1	09/03/24 23:53	09/04/24 15:43	67-64-1	
Acrolein	ND	ug/kg	129	39.4	1	09/03/24 23:53	09/04/24 15:43	107-02-8	
Acrylonitrile	ND	ug/kg	129	22.5	1	09/03/24 23:53	09/04/24 15:43	107-13-1	
Benzene	ND	ug/kg	6.5	2.6	1	09/03/24 23:53	09/04/24 15:43	71-43-2	
Bromobenzene	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 15:43	108-86-1	
Bromochloromethane	ND	ug/kg	6.5	1.9	1	09/03/24 23:53	09/04/24 15:43	74-97-5	
Bromodichloromethane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 15:43	75-27-4	
Bromoform	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 15:43	75-25-2	
Bromomethane	ND	ug/kg	25.8	20.0	1	09/03/24 23:53	09/04/24 15:43	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	129	31.0	1	09/03/24 23:53	09/04/24 15:43	78-93-3	
n-Butylbenzene	ND	ug/kg	6.5	4.1	1	09/03/24 23:53	09/04/24 15:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.5	2.8	1	09/03/24 23:53	09/04/24 15:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 15:43	98-06-6	
Carbon disulfide	ND	ug/kg	12.9	8.1	1	09/03/24 23:53	09/04/24 15:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.5	2.4	1	09/03/24 23:53	09/04/24 15:43	56-23-5	
Chlorobenzene	ND	ug/kg	6.5	3.7	1	09/03/24 23:53	09/04/24 15:43	108-90-7	
Chloroethane	ND	ug/kg	12.9	5.0	1	09/03/24 23:53	09/04/24 15:43	75-00-3	
Chloroform	ND	ug/kg	6.5	5.4	1	09/03/24 23:53	09/04/24 15:43	67-66-3	
Chloromethane	ND	ug/kg	12.9	5.4	1	09/03/24 23:53	09/04/24 15:43	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 15:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 15:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 15:43	96-12-8	
Dibromochloromethane	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 15:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	2.8	1	09/03/24 23:53	09/04/24 15:43	106-93-4	
Dibromomethane	ND	ug/kg	6.5	1.4	1	09/03/24 23:53	09/04/24 15:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 15:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 15:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.9	6.6	1	09/03/24 23:53	09/04/24 15:43	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.5	2.7	1	09/03/24 23:53	09/04/24 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.5	4.3	1	09/03/24 23:53	09/04/24 15:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.5	2.7	1	09/03/24 23:53	09/04/24 15:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 15:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.5	5.5	1	09/03/24 23:53	09/04/24 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.5	1.9	1	09/03/24 23:53	09/04/24 15:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 15:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.5	4.9	1	09/03/24 23:53	09/04/24 15:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.5	3.1	1	09/03/24 23:53	09/04/24 15:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.8	1	09/03/24 23:53	09/04/24 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 15:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 15:43	108-20-3	
Ethylbenzene	ND	ug/kg	6.5	3.0	1	09/03/24 23:53	09/04/24 15:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.9	3.8	1	09/03/24 23:53	09/04/24 15:43	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.9	10.6	1	09/03/24 23:53	09/04/24 15:43	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-1 (2-5) Lab ID: 92749616011 Collected: 08/22/24 16:10 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 15:43	110-54-3	
2-Hexanone	ND	ug/kg	64.6	6.2	1	09/03/24 23:53	09/04/24 15:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 15:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.5	3.2	1	09/03/24 23:53	09/04/24 15:43	99-87-6	
Methylene Chloride	ND	ug/kg	25.8	17.7	1	09/03/24 23:53	09/04/24 15:43	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.6	6.2	1	09/03/24 23:53	09/04/24 15:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.5	2.4	1	09/03/24 23:53	09/04/24 15:43	1634-04-4	
Naphthalene	ND	ug/kg	6.5	3.4	1	09/03/24 23:53	09/04/24 15:43	91-20-3	
n-Propylbenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 15:43	103-65-1	
Styrene	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 15:43	79-34-5	
Tetrachloroethene	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 15:43	127-18-4	
Toluene	ND	ug/kg	6.5	4.5	1	09/03/24 23:53	09/04/24 15:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	5.2	1	09/03/24 23:53	09/04/24 15:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	5.4	1	09/03/24 23:53	09/04/24 15:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.5	3.4	1	09/03/24 23:53	09/04/24 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 15:43	79-00-5	
Trichloroethene	ND	ug/kg	6.5	5.2	1	09/03/24 23:53	09/04/24 15:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 15:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.5	3.3	1	09/03/24 23:53	09/04/24 15:43	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 15:43	108-67-8	
Vinyl acetate	ND	ug/kg	64.6	13.3	1	09/03/24 23:53	09/04/24 15:43	108-05-4	
Vinyl chloride	ND	ug/kg	12.9	3.3	1	09/03/24 23:53	09/04/24 15:43	75-01-4	v1
Xylene (Total)	ND	ug/kg	12.9	3.7	1	09/03/24 23:53	09/04/24 15:43	1330-20-7	
m&p-Xylene	ND	ug/kg	12.9	4.4	1	09/03/24 23:53	09/04/24 15:43	179601-23-1	
o-Xylene	ND	ug/kg	6.5	2.9	1	09/03/24 23:53	09/04/24 15:43	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 15:43	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 15:43	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/03/24 23:53	09/04/24 15:43	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	12.1	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-2 (0-2) Lab ID: 92749616012 Collected: 08/22/24 16:04 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	129	41.4	1	09/03/24 23:53	09/04/24 16:02	67-64-1	
Acrolein	ND	ug/kg	129	39.3	1	09/03/24 23:53	09/04/24 16:02	107-02-8	
Acrylonitrile	ND	ug/kg	129	22.5	1	09/03/24 23:53	09/04/24 16:02	107-13-1	
Benzene	ND	ug/kg	6.5	2.6	1	09/03/24 23:53	09/04/24 16:02	71-43-2	
Bromobenzene	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 16:02	108-86-1	
Bromochloromethane	ND	ug/kg	6.5	1.9	1	09/03/24 23:53	09/04/24 16:02	74-97-5	
Bromodichloromethane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 16:02	75-27-4	
Bromoform	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 16:02	75-25-2	
Bromomethane	ND	ug/kg	25.8	20.0	1	09/03/24 23:53	09/04/24 16:02	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	129	31.0	1	09/03/24 23:53	09/04/24 16:02	78-93-3	
n-Butylbenzene	ND	ug/kg	6.5	4.1	1	09/03/24 23:53	09/04/24 16:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.5	2.8	1	09/03/24 23:53	09/04/24 16:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 16:02	98-06-6	
Carbon disulfide	ND	ug/kg	12.9	8.1	1	09/03/24 23:53	09/04/24 16:02	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.5	2.4	1	09/03/24 23:53	09/04/24 16:02	56-23-5	
Chlorobenzene	ND	ug/kg	6.5	3.7	1	09/03/24 23:53	09/04/24 16:02	108-90-7	
Chloroethane	ND	ug/kg	12.9	5.0	1	09/03/24 23:53	09/04/24 16:02	75-00-3	
Chloroform	ND	ug/kg	6.5	5.4	1	09/03/24 23:53	09/04/24 16:02	67-66-3	
Chloromethane	6.2J	ug/kg	12.9	5.4	1	09/03/24 23:53	09/04/24 16:02	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 16:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 16:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 16:02	96-12-8	
Dibromochloromethane	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 16:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	2.8	1	09/03/24 23:53	09/04/24 16:02	106-93-4	
Dibromomethane	ND	ug/kg	6.5	1.4	1	09/03/24 23:53	09/04/24 16:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 16:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 16:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 16:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.9	6.6	1	09/03/24 23:53	09/04/24 16:02	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.5	2.7	1	09/03/24 23:53	09/04/24 16:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.5	4.3	1	09/03/24 23:53	09/04/24 16:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.5	2.7	1	09/03/24 23:53	09/04/24 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.5	5.5	1	09/03/24 23:53	09/04/24 16:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.5	1.9	1	09/03/24 23:53	09/04/24 16:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 16:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.5	4.9	1	09/03/24 23:53	09/04/24 16:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.5	3.1	1	09/03/24 23:53	09/04/24 16:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.8	1	09/03/24 23:53	09/04/24 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 16:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 16:02	108-20-3	
Ethylbenzene	ND	ug/kg	6.5	3.0	1	09/03/24 23:53	09/04/24 16:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.9	3.8	1	09/03/24 23:53	09/04/24 16:02	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.9	10.6	1	09/03/24 23:53	09/04/24 16:02	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-2 (0-2) Lab ID: 92749616012 Collected: 08/22/24 16:04 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 16:02	110-54-3	
2-Hexanone	ND	ug/kg	64.6	6.2	1	09/03/24 23:53	09/04/24 16:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 16:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.5	3.2	1	09/03/24 23:53	09/04/24 16:02	99-87-6	
Methylene Chloride	ND	ug/kg	25.8	17.7	1	09/03/24 23:53	09/04/24 16:02	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.6	6.2	1	09/03/24 23:53	09/04/24 16:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.5	2.4	1	09/03/24 23:53	09/04/24 16:02	1634-04-4	
Naphthalene	ND	ug/kg	6.5	3.4	1	09/03/24 23:53	09/04/24 16:02	91-20-3	
n-Propylbenzene	ND	ug/kg	6.5	2.3	1	09/03/24 23:53	09/04/24 16:02	103-65-1	
Styrene	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	2.5	1	09/03/24 23:53	09/04/24 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.7	1	09/03/24 23:53	09/04/24 16:02	79-34-5	
Tetrachloroethene	ND	ug/kg	6.5	2.0	1	09/03/24 23:53	09/04/24 16:02	127-18-4	
Toluene	4.6J	ug/kg	6.5	4.5	1	09/03/24 23:53	09/04/24 16:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	5.2	1	09/03/24 23:53	09/04/24 16:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	5.4	1	09/03/24 23:53	09/04/24 16:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.5	3.4	1	09/03/24 23:53	09/04/24 16:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.5	2.1	1	09/03/24 23:53	09/04/24 16:02	79-00-5	
Trichloroethene	ND	ug/kg	6.5	5.2	1	09/03/24 23:53	09/04/24 16:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.5	3.6	1	09/03/24 23:53	09/04/24 16:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.5	3.3	1	09/03/24 23:53	09/04/24 16:02	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	2.2	1	09/03/24 23:53	09/04/24 16:02	108-67-8	
Vinyl acetate	ND	ug/kg	64.6	13.3	1	09/03/24 23:53	09/04/24 16:02	108-05-4	
Vinyl chloride	ND	ug/kg	12.9	3.3	1	09/03/24 23:53	09/04/24 16:02	75-01-4	v1
Xylene (Total)	ND	ug/kg	12.9	3.7	1	09/03/24 23:53	09/04/24 16:02	1330-20-7	
m&p-Xylene	ND	ug/kg	12.9	4.4	1	09/03/24 23:53	09/04/24 16:02	179601-23-1	
o-Xylene	ND	ug/kg	6.5	2.9	1	09/03/24 23:53	09/04/24 16:02	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 16:02	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1	09/03/24 23:53	09/04/24 16:02	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	15.9	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-2 (2-5) Lab ID: 92749616013 Collected: 08/22/24 16:03 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	144	46.1	1	09/03/24 23:53	09/04/24 16:21	67-64-1	
Acrolein	ND	ug/kg	144	43.7	1	09/03/24 23:53	09/04/24 16:21	107-02-8	
Acrylonitrile	ND	ug/kg	144	25.0	1	09/03/24 23:53	09/04/24 16:21	107-13-1	
Benzene	ND	ug/kg	7.2	2.9	1	09/03/24 23:53	09/04/24 16:21	71-43-2	
Bromobenzene	ND	ug/kg	7.2	2.3	1	09/03/24 23:53	09/04/24 16:21	108-86-1	
Bromochloromethane	ND	ug/kg	7.2	2.1	1	09/03/24 23:53	09/04/24 16:21	74-97-5	
Bromodichloromethane	ND	ug/kg	7.2	2.8	1	09/03/24 23:53	09/04/24 16:21	75-27-4	
Bromoform	ND	ug/kg	7.2	2.5	1	09/03/24 23:53	09/04/24 16:21	75-25-2	
Bromomethane	ND	ug/kg	28.7	22.3	1	09/03/24 23:53	09/04/24 16:21	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	144	34.5	1	09/03/24 23:53	09/04/24 16:21	78-93-3	
n-Butylbenzene	ND	ug/kg	7.2	4.5	1	09/03/24 23:53	09/04/24 16:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.2	3.2	1	09/03/24 23:53	09/04/24 16:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.2	2.6	1	09/03/24 23:53	09/04/24 16:21	98-06-6	
Carbon disulfide	ND	ug/kg	14.4	9.0	1	09/03/24 23:53	09/04/24 16:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.2	2.7	1	09/03/24 23:53	09/04/24 16:21	56-23-5	
Chlorobenzene	ND	ug/kg	7.2	4.1	1	09/03/24 23:53	09/04/24 16:21	108-90-7	
Chloroethane	ND	ug/kg	14.4	5.5	1	09/03/24 23:53	09/04/24 16:21	75-00-3	
Chloroform	ND	ug/kg	7.2	6.0	1	09/03/24 23:53	09/04/24 16:21	67-66-3	
Chloromethane	ND	ug/kg	14.4	6.0	1	09/03/24 23:53	09/04/24 16:21	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	7.2	2.5	1	09/03/24 23:53	09/04/24 16:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.2	4.0	1	09/03/24 23:53	09/04/24 16:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.2	2.8	1	09/03/24 23:53	09/04/24 16:21	96-12-8	
Dibromochloromethane	ND	ug/kg	7.2	4.0	1	09/03/24 23:53	09/04/24 16:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.2	3.2	1	09/03/24 23:53	09/04/24 16:21	106-93-4	
Dibromomethane	ND	ug/kg	7.2	1.5	1	09/03/24 23:53	09/04/24 16:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.2	2.6	1	09/03/24 23:53	09/04/24 16:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.2	2.2	1	09/03/24 23:53	09/04/24 16:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.2	1.9	1	09/03/24 23:53	09/04/24 16:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.4	7.3	1	09/03/24 23:53	09/04/24 16:21	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	7.2	3.0	1	09/03/24 23:53	09/04/24 16:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.2	4.8	1	09/03/24 23:53	09/04/24 16:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.2	3.0	1	09/03/24 23:53	09/04/24 16:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.2	2.5	1	09/03/24 23:53	09/04/24 16:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.2	6.1	1	09/03/24 23:53	09/04/24 16:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.2	2.2	1	09/03/24 23:53	09/04/24 16:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.2	2.2	1	09/03/24 23:53	09/04/24 16:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.2	5.4	1	09/03/24 23:53	09/04/24 16:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.2	3.4	1	09/03/24 23:53	09/04/24 16:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.2	2.0	1	09/03/24 23:53	09/04/24 16:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.2	2.5	1	09/03/24 23:53	09/04/24 16:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.2	1.9	1	09/03/24 23:53	09/04/24 16:21	108-20-3	
Ethylbenzene	ND	ug/kg	7.2	3.3	1	09/03/24 23:53	09/04/24 16:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.4	4.3	1	09/03/24 23:53	09/04/24 16:21	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.4	11.7	1	09/03/24 23:53	09/04/24 16:21	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-2 (2-5) Lab ID: 92749616013 Collected: 08/22/24 16:03 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.2	2.4	1	09/03/24 23:53	09/04/24 16:21	110-54-3	
2-Hexanone	ND	ug/kg	71.8	6.9	1	09/03/24 23:53	09/04/24 16:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.2	2.4	1	09/03/24 23:53	09/04/24 16:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.2	3.5	1	09/03/24 23:53	09/04/24 16:21	99-87-6	
Methylene Chloride	ND	ug/kg	28.7	19.7	1	09/03/24 23:53	09/04/24 16:21	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	71.8	6.9	1	09/03/24 23:53	09/04/24 16:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.2	2.7	1	09/03/24 23:53	09/04/24 16:21	1634-04-4	
Naphthalene	ND	ug/kg	7.2	3.8	1	09/03/24 23:53	09/04/24 16:21	91-20-3	
n-Propylbenzene	ND	ug/kg	7.2	2.6	1	09/03/24 23:53	09/04/24 16:21	103-65-1	
Styrene	ND	ug/kg	7.2	1.9	1	09/03/24 23:53	09/04/24 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.2	2.8	1	09/03/24 23:53	09/04/24 16:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.2	1.9	1	09/03/24 23:53	09/04/24 16:21	79-34-5	
Tetrachloroethene	ND	ug/kg	7.2	2.3	1	09/03/24 23:53	09/04/24 16:21	127-18-4	
Toluene	ND	ug/kg	7.2	5.0	1	09/03/24 23:53	09/04/24 16:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.2	5.8	1	09/03/24 23:53	09/04/24 16:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.2	6.0	1	09/03/24 23:53	09/04/24 16:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.2	3.7	1	09/03/24 23:53	09/04/24 16:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.2	2.4	1	09/03/24 23:53	09/04/24 16:21	79-00-5	
Trichloroethene	ND	ug/kg	7.2	5.8	1	09/03/24 23:53	09/04/24 16:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.2	3.9	1	09/03/24 23:53	09/04/24 16:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.2	3.6	1	09/03/24 23:53	09/04/24 16:21	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.2	2.4	1	09/03/24 23:53	09/04/24 16:21	108-67-8	
Vinyl acetate	ND	ug/kg	71.8	14.8	1	09/03/24 23:53	09/04/24 16:21	108-05-4	
Vinyl chloride	ND	ug/kg	14.4	3.6	1	09/03/24 23:53	09/04/24 16:21	75-01-4	v1
Xylene (Total)	ND	ug/kg	14.4	4.1	1	09/03/24 23:53	09/04/24 16:21	1330-20-7	
m&p-Xylene	ND	ug/kg	14.4	4.9	1	09/03/24 23:53	09/04/24 16:21	179601-23-1	
o-Xylene	ND	ug/kg	7.2	3.2	1	09/03/24 23:53	09/04/24 16:21	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 16:21	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/03/24 23:53	09/04/24 16:21	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1	09/03/24 23:53	09/04/24 16:21	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	20.6	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-3 (0-2) Lab ID: 92749616014 Collected: 08/22/24 15:36 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	148	47.4	1	09/03/24 23:53	09/04/24 16:39	67-64-1	
Acrolein	ND	ug/kg	148	45.0	1	09/03/24 23:53	09/04/24 16:39	107-02-8	
Acrylonitrile	ND	ug/kg	148	25.7	1	09/03/24 23:53	09/04/24 16:39	107-13-1	
Benzene	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 16:39	71-43-2	
Bromobenzene	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 16:39	108-86-1	
Bromochloromethane	ND	ug/kg	7.4	2.2	1	09/03/24 23:53	09/04/24 16:39	74-97-5	
Bromodichloromethane	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 16:39	75-27-4	
Bromoform	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 16:39	75-25-2	
Bromomethane	ND	ug/kg	29.5	22.9	1	09/03/24 23:53	09/04/24 16:39	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	148	35.4	1	09/03/24 23:53	09/04/24 16:39	78-93-3	
n-Butylbenzene	ND	ug/kg	7.4	4.7	1	09/03/24 23:53	09/04/24 16:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.4	3.2	1	09/03/24 23:53	09/04/24 16:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 16:39	98-06-6	
Carbon disulfide	ND	ug/kg	14.8	9.3	1	09/03/24 23:53	09/04/24 16:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 16:39	56-23-5	
Chlorobenzene	ND	ug/kg	7.4	4.2	1	09/03/24 23:53	09/04/24 16:39	108-90-7	
Chloroethane	ND	ug/kg	14.8	5.7	1	09/03/24 23:53	09/04/24 16:39	75-00-3	
Chloroform	ND	ug/kg	7.4	6.2	1	09/03/24 23:53	09/04/24 16:39	67-66-3	
Chloromethane	ND	ug/kg	14.8	6.2	1	09/03/24 23:53	09/04/24 16:39	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 16:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 16:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.4	2.9	1	09/03/24 23:53	09/04/24 16:39	96-12-8	
Dibromochloromethane	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 16:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.4	3.2	1	09/03/24 23:53	09/04/24 16:39	106-93-4	
Dibromomethane	ND	ug/kg	7.4	1.6	1	09/03/24 23:53	09/04/24 16:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.4	2.7	1	09/03/24 23:53	09/04/24 16:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 16:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 16:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.8	7.5	1	09/03/24 23:53	09/04/24 16:39	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	7.4	3.0	1	09/03/24 23:53	09/04/24 16:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.4	4.9	1	09/03/24 23:53	09/04/24 16:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.4	3.0	1	09/03/24 23:53	09/04/24 16:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 16:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.4	6.3	1	09/03/24 23:53	09/04/24 16:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.4	2.2	1	09/03/24 23:53	09/04/24 16:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 16:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.4	5.6	1	09/03/24 23:53	09/04/24 16:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.4	3.5	1	09/03/24 23:53	09/04/24 16:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 16:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 16:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.4	2.0	1	09/03/24 23:53	09/04/24 16:39	108-20-3	
Ethylbenzene	ND	ug/kg	7.4	3.4	1	09/03/24 23:53	09/04/24 16:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.8	4.4	1	09/03/24 23:53	09/04/24 16:39	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.8	12.1	1	09/03/24 23:53	09/04/24 16:39	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-3 (0-2) Lab ID: 92749616014 Collected: 08/22/24 15:36 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.4	2.4	1	09/03/24 23:53	09/04/24 16:39	110-54-3	
2-Hexanone	ND	ug/kg	73.8	7.1	1	09/03/24 23:53	09/04/24 16:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 16:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.4	3.6	1	09/03/24 23:53	09/04/24 16:39	99-87-6	
Methylene Chloride	ND	ug/kg	29.5	20.2	1	09/03/24 23:53	09/04/24 16:39	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	73.8	7.1	1	09/03/24 23:53	09/04/24 16:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 16:39	1634-04-4	
Naphthalene	ND	ug/kg	7.4	3.9	1	09/03/24 23:53	09/04/24 16:39	91-20-3	
n-Propylbenzene	ND	ug/kg	7.4	2.6	1	09/03/24 23:53	09/04/24 16:39	103-65-1	
Styrene	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.4	2.8	1	09/03/24 23:53	09/04/24 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.4	1.9	1	09/03/24 23:53	09/04/24 16:39	79-34-5	
Tetrachloroethene	ND	ug/kg	7.4	2.3	1	09/03/24 23:53	09/04/24 16:39	127-18-4	
Toluene	ND	ug/kg	7.4	5.1	1	09/03/24 23:53	09/04/24 16:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.4	6.0	1	09/03/24 23:53	09/04/24 16:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.4	6.2	1	09/03/24 23:53	09/04/24 16:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.4	3.8	1	09/03/24 23:53	09/04/24 16:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 16:39	79-00-5	
Trichloroethene	ND	ug/kg	7.4	5.9	1	09/03/24 23:53	09/04/24 16:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.4	4.1	1	09/03/24 23:53	09/04/24 16:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.4	3.7	1	09/03/24 23:53	09/04/24 16:39	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.4	2.5	1	09/03/24 23:53	09/04/24 16:39	108-67-8	
Vinyl acetate	ND	ug/kg	73.8	15.2	1	09/03/24 23:53	09/04/24 16:39	108-05-4	
Vinyl chloride	ND	ug/kg	14.8	3.7	1	09/03/24 23:53	09/04/24 16:39	75-01-4	v1
Xylene (Total)	ND	ug/kg	14.8	4.2	1	09/03/24 23:53	09/04/24 16:39	1330-20-7	
m&p-Xylene	ND	ug/kg	14.8	5.0	1	09/03/24 23:53	09/04/24 16:39	179601-23-1	
o-Xylene	ND	ug/kg	7.4	3.3	1	09/03/24 23:53	09/04/24 16:39	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 16:39	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/03/24 23:53	09/04/24 16:39	460-00-4	
1,2-Dichloroethane-d4 (S)	127	%	70-130		1	09/03/24 23:53	09/04/24 16:39	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	18.2	%	0.10	0.10	1		08/26/24 17:31		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-3 (2-5) Lab ID: 92749616015 Collected: 08/22/24 15:37 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	128	41.0	1	09/03/24 23:53	09/04/24 16:58	67-64-1	
Acrolein	ND	ug/kg	128	38.9	1	09/03/24 23:53	09/04/24 16:58	107-02-8	
Acrylonitrile	ND	ug/kg	128	22.2	1	09/03/24 23:53	09/04/24 16:58	107-13-1	
Benzene	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 16:58	71-43-2	
Bromobenzene	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 16:58	108-86-1	
Bromochloromethane	ND	ug/kg	6.4	1.9	1	09/03/24 23:53	09/04/24 16:58	74-97-5	
Bromodichloromethane	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 16:58	75-27-4	
Bromoform	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 16:58	75-25-2	
Bromomethane	ND	ug/kg	25.5	19.8	1	09/03/24 23:53	09/04/24 16:58	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	128	30.6	1	09/03/24 23:53	09/04/24 16:58	78-93-3	
n-Butylbenzene	ND	ug/kg	6.4	4.0	1	09/03/24 23:53	09/04/24 16:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.4	2.8	1	09/03/24 23:53	09/04/24 16:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 16:58	98-06-6	
Carbon disulfide	ND	ug/kg	12.8	8.0	1	09/03/24 23:53	09/04/24 16:58	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.4	2.4	1	09/03/24 23:53	09/04/24 16:58	56-23-5	
Chlorobenzene	ND	ug/kg	6.4	3.7	1	09/03/24 23:53	09/04/24 16:58	108-90-7	
Chloroethane	ND	ug/kg	12.8	4.9	1	09/03/24 23:53	09/04/24 16:58	75-00-3	
Chloroform	ND	ug/kg	6.4	5.3	1	09/03/24 23:53	09/04/24 16:58	67-66-3	
Chloromethane	ND	ug/kg	12.8	5.4	1	09/03/24 23:53	09/04/24 16:58	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 16:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.4	3.5	1	09/03/24 23:53	09/04/24 16:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 16:58	96-12-8	
Dibromochloromethane	ND	ug/kg	6.4	3.6	1	09/03/24 23:53	09/04/24 16:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.4	2.8	1	09/03/24 23:53	09/04/24 16:58	106-93-4	
Dibromomethane	ND	ug/kg	6.4	1.4	1	09/03/24 23:53	09/04/24 16:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 16:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.4	2.0	1	09/03/24 23:53	09/04/24 16:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 16:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.8	6.5	1	09/03/24 23:53	09/04/24 16:58	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.4	2.6	1	09/03/24 23:53	09/04/24 16:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.4	4.2	1	09/03/24 23:53	09/04/24 16:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.4	2.6	1	09/03/24 23:53	09/04/24 16:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 16:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.4	5.4	1	09/03/24 23:53	09/04/24 16:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.4	1.9	1	09/03/24 23:53	09/04/24 16:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.4	2.0	1	09/03/24 23:53	09/04/24 16:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.4	4.8	1	09/03/24 23:53	09/04/24 16:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.4	3.1	1	09/03/24 23:53	09/04/24 16:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 16:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 16:58	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 16:58	108-20-3	
Ethylbenzene	ND	ug/kg	6.4	3.0	1	09/03/24 23:53	09/04/24 16:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.8	3.8	1	09/03/24 23:53	09/04/24 16:58	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.8	10.4	1	09/03/24 23:53	09/04/24 16:58	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-3 (2-5) Lab ID: 92749616015 Collected: 08/22/24 15:37 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 16:58	110-54-3	
2-Hexanone	ND	ug/kg	63.8	6.2	1	09/03/24 23:53	09/04/24 16:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.4	2.2	1	09/03/24 23:53	09/04/24 16:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.4	3.1	1	09/03/24 23:53	09/04/24 16:58	99-87-6	
Methylene Chloride	ND	ug/kg	25.5	17.5	1	09/03/24 23:53	09/04/24 16:58	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	63.8	6.2	1	09/03/24 23:53	09/04/24 16:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.4	2.4	1	09/03/24 23:53	09/04/24 16:58	1634-04-4	
Naphthalene	ND	ug/kg	6.4	3.4	1	09/03/24 23:53	09/04/24 16:58	91-20-3	
n-Propylbenzene	ND	ug/kg	6.4	2.3	1	09/03/24 23:53	09/04/24 16:58	103-65-1	
Styrene	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.4	2.5	1	09/03/24 23:53	09/04/24 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.4	1.7	1	09/03/24 23:53	09/04/24 16:58	79-34-5	
Tetrachloroethene	ND	ug/kg	6.4	2.0	1	09/03/24 23:53	09/04/24 16:58	127-18-4	
Toluene	ND	ug/kg	6.4	4.4	1	09/03/24 23:53	09/04/24 16:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.4	5.2	1	09/03/24 23:53	09/04/24 16:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.4	5.4	1	09/03/24 23:53	09/04/24 16:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.4	3.3	1	09/03/24 23:53	09/04/24 16:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 16:58	79-00-5	
Trichloroethene	ND	ug/kg	6.4	5.1	1	09/03/24 23:53	09/04/24 16:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.4	3.5	1	09/03/24 23:53	09/04/24 16:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.4	3.2	1	09/03/24 23:53	09/04/24 16:58	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.4	2.1	1	09/03/24 23:53	09/04/24 16:58	108-67-8	
Vinyl acetate	ND	ug/kg	63.8	13.1	1	09/03/24 23:53	09/04/24 16:58	108-05-4	
Vinyl chloride	ND	ug/kg	12.8	3.2	1	09/03/24 23:53	09/04/24 16:58	75-01-4	v1
Xylene (Total)	ND	ug/kg	12.8	3.6	1	09/03/24 23:53	09/04/24 16:58	1330-20-7	
m&p-Xylene	ND	ug/kg	12.8	4.4	1	09/03/24 23:53	09/04/24 16:58	179601-23-1	
o-Xylene	ND	ug/kg	6.4	2.8	1	09/03/24 23:53	09/04/24 16:58	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/03/24 23:53	09/04/24 16:58	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/03/24 23:53	09/04/24 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1	09/03/24 23:53	09/04/24 16:58	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	19.3	%	0.10	0.10	1		08/26/24 17:32		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-4 (0-2) Lab ID: 92749616016 Collected: 08/22/24 15:35 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	126	40.4	1	09/04/24 15:40	09/04/24 17:16	67-64-1	
Acrolein	ND	ug/kg	126	38.3	1	09/04/24 15:40	09/04/24 17:16	107-02-8	
Acrylonitrile	ND	ug/kg	126	21.9	1	09/04/24 15:40	09/04/24 17:16	107-13-1	
Benzene	ND	ug/kg	6.3	2.5	1	09/04/24 15:40	09/04/24 17:16	71-43-2	
Bromobenzene	ND	ug/kg	6.3	2.0	1	09/04/24 15:40	09/04/24 17:16	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	1.9	1	09/04/24 15:40	09/04/24 17:16	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	2.4	1	09/04/24 15:40	09/04/24 17:16	75-27-4	
Bromoform	ND	ug/kg	6.3	2.2	1	09/04/24 15:40	09/04/24 17:16	75-25-2	
Bromomethane	ND	ug/kg	25.2	19.5	1	09/04/24 15:40	09/04/24 17:16	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	126	30.2	1	09/04/24 15:40	09/04/24 17:16	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	4.0	1	09/04/24 15:40	09/04/24 17:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	2.8	1	09/04/24 15:40	09/04/24 17:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	2.2	1	09/04/24 15:40	09/04/24 17:16	98-06-6	
Carbon disulfide	ND	ug/kg	12.6	7.9	1	09/04/24 15:40	09/04/24 17:16	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.3	2.4	1	09/04/24 15:40	09/04/24 17:16	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	3.6	1	09/04/24 15:40	09/04/24 17:16	108-90-7	
Chloroethane	ND	ug/kg	12.6	4.9	1	09/04/24 15:40	09/04/24 17:16	75-00-3	
Chloroform	ND	ug/kg	6.3	5.3	1	09/04/24 15:40	09/04/24 17:16	67-66-3	
Chloromethane	7.3J	ug/kg	12.6	5.3	1	09/04/24 15:40	09/04/24 17:16	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.3	2.2	1	09/04/24 15:40	09/04/24 17:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	3.5	1	09/04/24 15:40	09/04/24 17:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	2.4	1	09/04/24 15:40	09/04/24 17:16	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	3.5	1	09/04/24 15:40	09/04/24 17:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	2.8	1	09/04/24 15:40	09/04/24 17:16	106-93-4	
Dibromomethane	ND	ug/kg	6.3	1.3	1	09/04/24 15:40	09/04/24 17:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	2.3	1	09/04/24 15:40	09/04/24 17:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	1.9	1	09/04/24 15:40	09/04/24 17:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	1.6	1	09/04/24 15:40	09/04/24 17:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.6	6.4	1	09/04/24 15:40	09/04/24 17:16	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.3	2.6	1	09/04/24 15:40	09/04/24 17:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	4.2	1	09/04/24 15:40	09/04/24 17:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	2.6	1	09/04/24 15:40	09/04/24 17:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	2.2	1	09/04/24 15:40	09/04/24 17:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	5.3	1	09/04/24 15:40	09/04/24 17:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	1.9	1	09/04/24 15:40	09/04/24 17:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	2.0	1	09/04/24 15:40	09/04/24 17:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	4.8	1	09/04/24 15:40	09/04/24 17:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.3	3.0	1	09/04/24 15:40	09/04/24 17:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1.7	1	09/04/24 15:40	09/04/24 17:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	2.2	1	09/04/24 15:40	09/04/24 17:16	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.3	1.7	1	09/04/24 15:40	09/04/24 17:16	108-20-3	
Ethylbenzene	ND	ug/kg	6.3	2.9	1	09/04/24 15:40	09/04/24 17:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.6	3.7	1	09/04/24 15:40	09/04/24 17:16	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.6	10.3	1	09/04/24 15:40	09/04/24 17:16	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-4 (0-2) Lab ID: 92749616016 Collected: 08/22/24 15:35 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.3	2.1	1	09/04/24 15:40	09/04/24 17:16	110-54-3	
2-Hexanone	ND	ug/kg	62.9	6.1	1	09/04/24 15:40	09/04/24 17:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	2.1	1	09/04/24 15:40	09/04/24 17:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	3.1	1	09/04/24 15:40	09/04/24 17:16	99-87-6	
Methylene Chloride	ND	ug/kg	25.2	17.2	1	09/04/24 15:40	09/04/24 17:16	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.9	6.1	1	09/04/24 15:40	09/04/24 17:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	2.4	1	09/04/24 15:40	09/04/24 17:16	1634-04-4	
Naphthalene	ND	ug/kg	6.3	3.3	1	09/04/24 15:40	09/04/24 17:16	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	2.2	1	09/04/24 15:40	09/04/24 17:16	103-65-1	
Styrene	ND	ug/kg	6.3	1.7	1	09/04/24 15:40	09/04/24 17:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	2.4	1	09/04/24 15:40	09/04/24 17:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	1.7	1	09/04/24 15:40	09/04/24 17:16	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	2.0	1	09/04/24 15:40	09/04/24 17:16	127-18-4	
Toluene	6.5	ug/kg	6.3	4.3	1	09/04/24 15:40	09/04/24 17:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	5.1	1	09/04/24 15:40	09/04/24 17:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	5.3	1	09/04/24 15:40	09/04/24 17:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	3.3	1	09/04/24 15:40	09/04/24 17:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	2.1	1	09/04/24 15:40	09/04/24 17:16	79-00-5	
Trichloroethene	ND	ug/kg	6.3	5.1	1	09/04/24 15:40	09/04/24 17:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	3.5	1	09/04/24 15:40	09/04/24 17:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	3.2	1	09/04/24 15:40	09/04/24 17:16	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	2.1	1	09/04/24 15:40	09/04/24 17:16	108-67-8	
Vinyl acetate	ND	ug/kg	62.9	12.9	1	09/04/24 15:40	09/04/24 17:16	108-05-4	
Vinyl chloride	ND	ug/kg	12.6	3.2	1	09/04/24 15:40	09/04/24 17:16	75-01-4	v1
Xylene (Total)	7.9J	ug/kg	12.6	3.6	1	09/04/24 15:40	09/04/24 17:16	1330-20-7	
m&p-Xylene	7.9J	ug/kg	12.6	4.3	1	09/04/24 15:40	09/04/24 17:16	179601-23-1	
o-Xylene	ND	ug/kg	6.3	2.8	1	09/04/24 15:40	09/04/24 17:16	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1	09/04/24 15:40	09/04/24 17:16	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 15:40	09/04/24 17:16	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/04/24 15:40	09/04/24 17:16	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	15.2	%	0.10	0.10	1		08/26/24 17:46		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-4 (2-5) Lab ID: 92749616017 Collected: 08/22/24 15:34 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	136	43.6	1	09/04/24 15:40	09/04/24 17:35	67-64-1	
Acrolein	ND	ug/kg	136	41.4	1	09/04/24 15:40	09/04/24 17:35	107-02-8	
Acrylonitrile	ND	ug/kg	136	23.6	1	09/04/24 15:40	09/04/24 17:35	107-13-1	
Benzene	ND	ug/kg	6.8	2.7	1	09/04/24 15:40	09/04/24 17:35	71-43-2	
Bromobenzene	ND	ug/kg	6.8	2.2	1	09/04/24 15:40	09/04/24 17:35	108-86-1	
Bromochloromethane	ND	ug/kg	6.8	2.0	1	09/04/24 15:40	09/04/24 17:35	74-97-5	
Bromodichloromethane	ND	ug/kg	6.8	2.6	1	09/04/24 15:40	09/04/24 17:35	75-27-4	
Bromoform	ND	ug/kg	6.8	2.4	1	09/04/24 15:40	09/04/24 17:35	75-25-2	
Bromomethane	ND	ug/kg	27.2	21.0	1	09/04/24 15:40	09/04/24 17:35	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	136	32.6	1	09/04/24 15:40	09/04/24 17:35	78-93-3	
n-Butylbenzene	ND	ug/kg	6.8	4.3	1	09/04/24 15:40	09/04/24 17:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.8	3.0	1	09/04/24 15:40	09/04/24 17:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.8	2.4	1	09/04/24 15:40	09/04/24 17:35	98-06-6	
Carbon disulfide	ND	ug/kg	13.6	8.5	1	09/04/24 15:40	09/04/24 17:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.8	2.5	1	09/04/24 15:40	09/04/24 17:35	56-23-5	
Chlorobenzene	ND	ug/kg	6.8	3.9	1	09/04/24 15:40	09/04/24 17:35	108-90-7	
Chloroethane	ND	ug/kg	13.6	5.2	1	09/04/24 15:40	09/04/24 17:35	75-00-3	
Chloroform	ND	ug/kg	6.8	5.7	1	09/04/24 15:40	09/04/24 17:35	67-66-3	
Chloromethane	ND	ug/kg	13.6	5.7	1	09/04/24 15:40	09/04/24 17:35	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.8	2.4	1	09/04/24 15:40	09/04/24 17:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.8	3.8	1	09/04/24 15:40	09/04/24 17:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	2.6	1	09/04/24 15:40	09/04/24 17:35	96-12-8	
Dibromochloromethane	ND	ug/kg	6.8	3.8	1	09/04/24 15:40	09/04/24 17:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.8	3.0	1	09/04/24 15:40	09/04/24 17:35	106-93-4	
Dibromomethane	ND	ug/kg	6.8	1.5	1	09/04/24 15:40	09/04/24 17:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.8	2.4	1	09/04/24 15:40	09/04/24 17:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.8	2.1	1	09/04/24 15:40	09/04/24 17:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.8	1.8	1	09/04/24 15:40	09/04/24 17:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.6	6.9	1	09/04/24 15:40	09/04/24 17:35	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.8	2.8	1	09/04/24 15:40	09/04/24 17:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.8	4.5	1	09/04/24 15:40	09/04/24 17:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.8	2.8	1	09/04/24 15:40	09/04/24 17:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.8	2.3	1	09/04/24 15:40	09/04/24 17:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.8	5.8	1	09/04/24 15:40	09/04/24 17:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.8	2.0	1	09/04/24 15:40	09/04/24 17:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.8	2.1	1	09/04/24 15:40	09/04/24 17:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.8	5.1	1	09/04/24 15:40	09/04/24 17:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.8	3.3	1	09/04/24 15:40	09/04/24 17:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.8	1.8	1	09/04/24 15:40	09/04/24 17:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.8	2.3	1	09/04/24 15:40	09/04/24 17:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.8	1.8	1	09/04/24 15:40	09/04/24 17:35	108-20-3	
Ethylbenzene	ND	ug/kg	6.8	3.2	1	09/04/24 15:40	09/04/24 17:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.6	4.0	1	09/04/24 15:40	09/04/24 17:35	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.6	11.1	1	09/04/24 15:40	09/04/24 17:35	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-4 (2-5) Lab ID: 92749616017 Collected: 08/22/24 15:34 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.8	2.2	1	09/04/24 15:40	09/04/24 17:35	110-54-3	
2-Hexanone	ND	ug/kg	67.9	6.5	1	09/04/24 15:40	09/04/24 17:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.8	2.3	1	09/04/24 15:40	09/04/24 17:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.8	3.3	1	09/04/24 15:40	09/04/24 17:35	99-87-6	
Methylene Chloride	ND	ug/kg	27.2	18.6	1	09/04/24 15:40	09/04/24 17:35	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.9	6.5	1	09/04/24 15:40	09/04/24 17:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.8	2.5	1	09/04/24 15:40	09/04/24 17:35	1634-04-4	
Naphthalene	ND	ug/kg	6.8	3.6	1	09/04/24 15:40	09/04/24 17:35	91-20-3	
n-Propylbenzene	ND	ug/kg	6.8	2.4	1	09/04/24 15:40	09/04/24 17:35	103-65-1	
Styrene	ND	ug/kg	6.8	1.8	1	09/04/24 15:40	09/04/24 17:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.8	2.6	1	09/04/24 15:40	09/04/24 17:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.8	1.8	1	09/04/24 15:40	09/04/24 17:35	79-34-5	
Tetrachloroethene	ND	ug/kg	6.8	2.1	1	09/04/24 15:40	09/04/24 17:35	127-18-4	
Toluene	ND	ug/kg	6.8	4.7	1	09/04/24 15:40	09/04/24 17:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.8	5.5	1	09/04/24 15:40	09/04/24 17:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.8	5.7	1	09/04/24 15:40	09/04/24 17:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.8	3.5	1	09/04/24 15:40	09/04/24 17:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.8	2.3	1	09/04/24 15:40	09/04/24 17:35	79-00-5	
Trichloroethene	ND	ug/kg	6.8	5.5	1	09/04/24 15:40	09/04/24 17:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.8	3.7	1	09/04/24 15:40	09/04/24 17:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.8	3.4	1	09/04/24 15:40	09/04/24 17:35	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.8	2.3	1	09/04/24 15:40	09/04/24 17:35	108-67-8	
Vinyl acetate	ND	ug/kg	67.9	14.0	1	09/04/24 15:40	09/04/24 17:35	108-05-4	
Vinyl chloride	ND	ug/kg	13.6	3.4	1	09/04/24 15:40	09/04/24 17:35	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.6	3.9	1	09/04/24 15:40	09/04/24 17:35	1330-20-7	
m&p-Xylene	ND	ug/kg	13.6	4.6	1	09/04/24 15:40	09/04/24 17:35	179601-23-1	
o-Xylene	ND	ug/kg	6.8	3.0	1	09/04/24 15:40	09/04/24 17:35	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 15:40	09/04/24 17:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 15:40	09/04/24 17:35	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 15:40	09/04/24 17:35	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	13.4	%	0.10	0.10	1		08/26/24 17:46		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-5 (0-2) Lab ID: 92749616018 Collected: 08/22/24 15:02 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	135	43.2	1	09/04/24 15:40	09/04/24 18:12	67-64-1	
Acrolein	ND	ug/kg	135	41.0	1	09/04/24 15:40	09/04/24 18:12	107-02-8	
Acrylonitrile	ND	ug/kg	135	23.4	1	09/04/24 15:40	09/04/24 18:12	107-13-1	
Benzene	ND	ug/kg	6.7	2.7	1	09/04/24 15:40	09/04/24 18:12	71-43-2	
Bromobenzene	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:12	108-86-1	
Bromochloromethane	ND	ug/kg	6.7	2.0	1	09/04/24 15:40	09/04/24 18:12	74-97-5	
Bromodichloromethane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:12	75-27-4	
Bromoform	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:12	75-25-2	
Bromomethane	ND	ug/kg	26.9	20.9	1	09/04/24 15:40	09/04/24 18:12	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	135	32.3	1	09/04/24 15:40	09/04/24 18:12	78-93-3	
n-Butylbenzene	ND	ug/kg	6.7	4.2	1	09/04/24 15:40	09/04/24 18:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:12	98-06-6	
Carbon disulfide	ND	ug/kg	13.5	8.5	1	09/04/24 15:40	09/04/24 18:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.7	2.5	1	09/04/24 15:40	09/04/24 18:12	56-23-5	
Chlorobenzene	ND	ug/kg	6.7	3.9	1	09/04/24 15:40	09/04/24 18:12	108-90-7	
Chloroethane	ND	ug/kg	13.5	5.2	1	09/04/24 15:40	09/04/24 18:12	75-00-3	
Chloroform	ND	ug/kg	6.7	5.6	1	09/04/24 15:40	09/04/24 18:12	67-66-3	
Chloromethane	ND	ug/kg	13.5	5.7	1	09/04/24 15:40	09/04/24 18:12	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.7	3.7	1	09/04/24 15:40	09/04/24 18:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:12	96-12-8	
Dibromochloromethane	ND	ug/kg	6.7	3.8	1	09/04/24 15:40	09/04/24 18:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:12	106-93-4	
Dibromomethane	ND	ug/kg	6.7	1.4	1	09/04/24 15:40	09/04/24 18:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.5	6.9	1	09/04/24 15:40	09/04/24 18:12	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.7	2.8	1	09/04/24 15:40	09/04/24 18:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.7	4.5	1	09/04/24 15:40	09/04/24 18:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.7	2.8	1	09/04/24 15:40	09/04/24 18:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.7	5.7	1	09/04/24 15:40	09/04/24 18:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.7	2.0	1	09/04/24 15:40	09/04/24 18:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.7	5.1	1	09/04/24 15:40	09/04/24 18:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.7	3.2	1	09/04/24 15:40	09/04/24 18:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:12	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:12	108-20-3	
Ethylbenzene	ND	ug/kg	6.7	3.1	1	09/04/24 15:40	09/04/24 18:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.5	4.0	1	09/04/24 15:40	09/04/24 18:12	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.5	11.0	1	09/04/24 15:40	09/04/24 18:12	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-5 (0-2) Lab ID: 92749616018 Collected: 08/22/24 15:02 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:12	110-54-3	
2-Hexanone	ND	ug/kg	67.4	6.5	1	09/04/24 15:40	09/04/24 18:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.7	3.3	1	09/04/24 15:40	09/04/24 18:12	99-87-6	
Methylene Chloride	ND	ug/kg	26.9	18.5	1	09/04/24 15:40	09/04/24 18:12	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.4	6.5	1	09/04/24 15:40	09/04/24 18:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.7	2.5	1	09/04/24 15:40	09/04/24 18:12	1634-04-4	
Naphthalene	ND	ug/kg	6.7	3.5	1	09/04/24 15:40	09/04/24 18:12	91-20-3	
n-Propylbenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:12	103-65-1	
Styrene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:12	79-34-5	
Tetrachloroethene	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:12	127-18-4	
Toluene	ND	ug/kg	6.7	4.6	1	09/04/24 15:40	09/04/24 18:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.7	5.4	1	09/04/24 15:40	09/04/24 18:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.7	5.7	1	09/04/24 15:40	09/04/24 18:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.7	3.5	1	09/04/24 15:40	09/04/24 18:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:12	79-00-5	
Trichloroethene	ND	ug/kg	6.7	5.4	1	09/04/24 15:40	09/04/24 18:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.7	3.7	1	09/04/24 15:40	09/04/24 18:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.7	3.4	1	09/04/24 15:40	09/04/24 18:12	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:12	108-67-8	
Vinyl acetate	ND	ug/kg	67.4	13.9	1	09/04/24 15:40	09/04/24 18:12	108-05-4	
Vinyl chloride	ND	ug/kg	13.5	3.4	1	09/04/24 15:40	09/04/24 18:12	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.5	3.8	1	09/04/24 15:40	09/04/24 18:12	1330-20-7	
m&p-Xylene	ND	ug/kg	13.5	4.6	1	09/04/24 15:40	09/04/24 18:12	179601-23-1	
o-Xylene	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:12	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 15:40	09/04/24 18:12	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 15:40	09/04/24 18:12	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/04/24 15:40	09/04/24 18:12	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	17.2	%	0.10	0.10	1		08/26/24 17:46		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-5 (2-5) Lab ID: 92749616019 Collected: 08/22/24 15:03 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	154	49.6	1	09/04/24 15:40	09/04/24 21:00	67-64-1	
Acrolein	ND	ug/kg	154	47.1	1	09/04/24 15:40	09/04/24 21:00	107-02-8	
Acrylonitrile	ND	ug/kg	154	26.9	1	09/04/24 15:40	09/04/24 21:00	107-13-1	
Benzene	ND	ug/kg	7.7	3.1	1	09/04/24 15:40	09/04/24 21:00	71-43-2	
Bromobenzene	ND	ug/kg	7.7	2.5	1	09/04/24 15:40	09/04/24 21:00	108-86-1	
Bromochloromethane	ND	ug/kg	7.7	2.3	1	09/04/24 15:40	09/04/24 21:00	74-97-5	
Bromodichloromethane	ND	ug/kg	7.7	3.0	1	09/04/24 15:40	09/04/24 21:00	75-27-4	
Bromoform	ND	ug/kg	7.7	2.7	1	09/04/24 15:40	09/04/24 21:00	75-25-2	
Bromomethane	ND	ug/kg	30.9	23.9	1	09/04/24 15:40	09/04/24 21:00	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	154	37.1	1	09/04/24 15:40	09/04/24 21:00	78-93-3	
n-Butylbenzene	ND	ug/kg	7.7	4.9	1	09/04/24 15:40	09/04/24 21:00	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.7	3.4	1	09/04/24 15:40	09/04/24 21:00	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.7	2.7	1	09/04/24 15:40	09/04/24 21:00	98-06-6	
Carbon disulfide	ND	ug/kg	15.4	9.7	1	09/04/24 15:40	09/04/24 21:00	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.7	2.9	1	09/04/24 15:40	09/04/24 21:00	56-23-5	
Chlorobenzene	ND	ug/kg	7.7	4.4	1	09/04/24 15:40	09/04/24 21:00	108-90-7	
Chloroethane	ND	ug/kg	15.4	6.0	1	09/04/24 15:40	09/04/24 21:00	75-00-3	
Chloroform	ND	ug/kg	7.7	6.5	1	09/04/24 15:40	09/04/24 21:00	67-66-3	
Chloromethane	ND	ug/kg	15.4	6.5	1	09/04/24 15:40	09/04/24 21:00	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	7.7	2.7	1	09/04/24 15:40	09/04/24 21:00	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.7	4.3	1	09/04/24 15:40	09/04/24 21:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.7	3.0	1	09/04/24 15:40	09/04/24 21:00	96-12-8	
Dibromochloromethane	ND	ug/kg	7.7	4.3	1	09/04/24 15:40	09/04/24 21:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.7	3.4	1	09/04/24 15:40	09/04/24 21:00	106-93-4	
Dibromomethane	ND	ug/kg	7.7	1.7	1	09/04/24 15:40	09/04/24 21:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.7	2.8	1	09/04/24 15:40	09/04/24 21:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.7	2.4	1	09/04/24 15:40	09/04/24 21:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.7	2.0	1	09/04/24 15:40	09/04/24 21:00	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.4	7.9	1	09/04/24 15:40	09/04/24 21:00	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	7.7	3.2	1	09/04/24 15:40	09/04/24 21:00	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.7	5.1	1	09/04/24 15:40	09/04/24 21:00	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.7	3.2	1	09/04/24 15:40	09/04/24 21:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.7	2.6	1	09/04/24 15:40	09/04/24 21:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.7	6.6	1	09/04/24 15:40	09/04/24 21:00	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.7	2.3	1	09/04/24 15:40	09/04/24 21:00	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.7	2.4	1	09/04/24 15:40	09/04/24 21:00	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.7	5.9	1	09/04/24 15:40	09/04/24 21:00	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.7	3.7	1	09/04/24 15:40	09/04/24 21:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.7	2.1	1	09/04/24 15:40	09/04/24 21:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.7	2.7	1	09/04/24 15:40	09/04/24 21:00	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.7	2.1	1	09/04/24 15:40	09/04/24 21:00	108-20-3	
Ethylbenzene	ND	ug/kg	7.7	3.6	1	09/04/24 15:40	09/04/24 21:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	15.4	4.6	1	09/04/24 15:40	09/04/24 21:00	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	15.4	12.6	1	09/04/24 15:40	09/04/24 21:00	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-5 (2-5) Lab ID: 92749616019 Collected: 08/22/24 15:03 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.7	2.5	1	09/04/24 15:40	09/04/24 21:00	110-54-3	
2-Hexanone	ND	ug/kg	77.2	7.4	1	09/04/24 15:40	09/04/24 21:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.7	2.6	1	09/04/24 15:40	09/04/24 21:00	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.7	3.8	1	09/04/24 15:40	09/04/24 21:00	99-87-6	
Methylene Chloride	ND	ug/kg	30.9	21.2	1	09/04/24 15:40	09/04/24 21:00	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	77.2	7.4	1	09/04/24 15:40	09/04/24 21:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.7	2.9	1	09/04/24 15:40	09/04/24 21:00	1634-04-4	
Naphthalene	ND	ug/kg	7.7	4.1	1	09/04/24 15:40	09/04/24 21:00	91-20-3	
n-Propylbenzene	ND	ug/kg	7.7	2.7	1	09/04/24 15:40	09/04/24 21:00	103-65-1	
Styrene	ND	ug/kg	7.7	2.0	1	09/04/24 15:40	09/04/24 21:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.7	3.0	1	09/04/24 15:40	09/04/24 21:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.7	2.0	1	09/04/24 15:40	09/04/24 21:00	79-34-5	
Tetrachloroethene	ND	ug/kg	7.7	2.4	1	09/04/24 15:40	09/04/24 21:00	127-18-4	
Toluene	ND	ug/kg	7.7	5.3	1	09/04/24 15:40	09/04/24 21:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.7	6.2	1	09/04/24 15:40	09/04/24 21:00	87-61-6	
1,2,4-Trichlorobenzene	18.6	ug/kg	7.7	6.5	1	09/04/24 15:40	09/04/24 21:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.7	4.0	1	09/04/24 15:40	09/04/24 21:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.7	2.6	1	09/04/24 15:40	09/04/24 21:00	79-00-5	
Trichloroethene	ND	ug/kg	7.7	6.2	1	09/04/24 15:40	09/04/24 21:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.7	4.2	1	09/04/24 15:40	09/04/24 21:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.7	3.9	1	09/04/24 15:40	09/04/24 21:00	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.7	2.6	1	09/04/24 15:40	09/04/24 21:00	108-67-8	
Vinyl acetate	ND	ug/kg	77.2	15.9	1	09/04/24 15:40	09/04/24 21:00	108-05-4	
Vinyl chloride	14.2J	ug/kg	15.4	3.9	1	09/04/24 15:40	09/04/24 21:00	75-01-4	v1
Xylene (Total)	ND	ug/kg	15.4	4.4	1	09/04/24 15:40	09/04/24 21:00	1330-20-7	
m&p-Xylene	ND	ug/kg	15.4	5.3	1	09/04/24 15:40	09/04/24 21:00	179601-23-1	
o-Xylene	ND	ug/kg	7.7	3.4	1	09/04/24 15:40	09/04/24 21:00	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	09/04/24 15:40	09/04/24 21:00	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 15:40	09/04/24 21:00	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1	09/04/24 15:40	09/04/24 21:00	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	21.0	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-11 (0-2) Lab ID: 92749616020 Collected: 08/22/24 14:10 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	135	43.2	1	09/04/24 15:40	09/04/24 18:31	67-64-1	
Acrolein	ND	ug/kg	135	41.0	1	09/04/24 15:40	09/04/24 18:31	107-02-8	
Acrylonitrile	ND	ug/kg	135	23.4	1	09/04/24 15:40	09/04/24 18:31	107-13-1	
Benzene	ND	ug/kg	6.7	2.7	1	09/04/24 15:40	09/04/24 18:31	71-43-2	
Bromobenzene	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:31	108-86-1	
Bromochloromethane	ND	ug/kg	6.7	2.0	1	09/04/24 15:40	09/04/24 18:31	74-97-5	
Bromodichloromethane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:31	75-27-4	
Bromoform	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:31	75-25-2	
Bromomethane	ND	ug/kg	26.9	20.9	1	09/04/24 15:40	09/04/24 18:31	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	135	32.3	1	09/04/24 15:40	09/04/24 18:31	78-93-3	
n-Butylbenzene	ND	ug/kg	6.7	4.2	1	09/04/24 15:40	09/04/24 18:31	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:31	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:31	98-06-6	
Carbon disulfide	ND	ug/kg	13.5	8.5	1	09/04/24 15:40	09/04/24 18:31	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.7	2.5	1	09/04/24 15:40	09/04/24 18:31	56-23-5	
Chlorobenzene	ND	ug/kg	6.7	3.9	1	09/04/24 15:40	09/04/24 18:31	108-90-7	
Chloroethane	ND	ug/kg	13.5	5.2	1	09/04/24 15:40	09/04/24 18:31	75-00-3	
Chloroform	ND	ug/kg	6.7	5.6	1	09/04/24 15:40	09/04/24 18:31	67-66-3	
Chloromethane	ND	ug/kg	13.5	5.7	1	09/04/24 15:40	09/04/24 18:31	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:31	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.7	3.7	1	09/04/24 15:40	09/04/24 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:31	96-12-8	
Dibromochloromethane	ND	ug/kg	6.7	3.8	1	09/04/24 15:40	09/04/24 18:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:31	106-93-4	
Dibromomethane	ND	ug/kg	6.7	1.4	1	09/04/24 15:40	09/04/24 18:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.7	1.7	1	09/04/24 15:40	09/04/24 18:31	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.5	6.9	1	09/04/24 15:40	09/04/24 18:31	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.7	2.8	1	09/04/24 15:40	09/04/24 18:31	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.7	4.5	1	09/04/24 15:40	09/04/24 18:31	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.7	2.8	1	09/04/24 15:40	09/04/24 18:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.7	5.7	1	09/04/24 15:40	09/04/24 18:31	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.7	2.0	1	09/04/24 15:40	09/04/24 18:31	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:31	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.7	5.1	1	09/04/24 15:40	09/04/24 18:31	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.7	3.2	1	09/04/24 15:40	09/04/24 18:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:31	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:31	108-20-3	
Ethylbenzene	ND	ug/kg	6.7	3.1	1	09/04/24 15:40	09/04/24 18:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.5	4.0	1	09/04/24 15:40	09/04/24 18:31	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.5	11.0	1	09/04/24 15:40	09/04/24 18:31	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-11 (0-2) Lab ID: 92749616020 Collected: 08/22/24 14:10 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:31	110-54-3	
2-Hexanone	ND	ug/kg	67.3	6.5	1	09/04/24 15:40	09/04/24 18:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:31	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.7	3.3	1	09/04/24 15:40	09/04/24 18:31	99-87-6	
Methylene Chloride	ND	ug/kg	26.9	18.4	1	09/04/24 15:40	09/04/24 18:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.3	6.5	1	09/04/24 15:40	09/04/24 18:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.7	2.5	1	09/04/24 15:40	09/04/24 18:31	1634-04-4	
Naphthalene	ND	ug/kg	6.7	3.5	1	09/04/24 15:40	09/04/24 18:31	91-20-3	
n-Propylbenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:31	103-65-1	
Styrene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:31	79-34-5	
Tetrachloroethene	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:31	127-18-4	
Toluene	ND	ug/kg	6.7	4.6	1	09/04/24 15:40	09/04/24 18:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.7	5.4	1	09/04/24 15:40	09/04/24 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.7	5.7	1	09/04/24 15:40	09/04/24 18:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.7	3.5	1	09/04/24 15:40	09/04/24 18:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:31	79-00-5	
Trichloroethene	939	ug/kg	6.7	5.4	1	09/04/24 15:40	09/04/24 18:31	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.7	3.7	1	09/04/24 15:40	09/04/24 18:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.7	3.4	1	09/04/24 15:40	09/04/24 18:31	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:31	108-67-8	
Vinyl acetate	ND	ug/kg	67.3	13.8	1	09/04/24 15:40	09/04/24 18:31	108-05-4	
Vinyl chloride	ND	ug/kg	13.5	3.4	1	09/04/24 15:40	09/04/24 18:31	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.5	3.8	1	09/04/24 15:40	09/04/24 18:31	1330-20-7	
m&p-Xylene	ND	ug/kg	13.5	4.6	1	09/04/24 15:40	09/04/24 18:31	179601-23-1	
o-Xylene	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:31	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	09/04/24 15:40	09/04/24 18:31	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 15:40	09/04/24 18:31	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 15:40	09/04/24 18:31	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.7	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-11 (2-5) Lab ID: 92749616021 Collected: 08/22/24 14:09 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	134	43.1	1	09/04/24 15:40	09/04/24 18:50	67-64-1	
Acrolein	ND	ug/kg	134	40.9	1	09/04/24 15:40	09/04/24 18:50	107-02-8	
Acrylonitrile	ND	ug/kg	134	23.4	1	09/04/24 15:40	09/04/24 18:50	107-13-1	
Benzene	ND	ug/kg	6.7	2.7	1	09/04/24 15:40	09/04/24 18:50	71-43-2	
Bromobenzene	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:50	108-86-1	
Bromochloromethane	ND	ug/kg	6.7	2.0	1	09/04/24 15:40	09/04/24 18:50	74-97-5	
Bromodichloromethane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:50	75-27-4	
Bromoform	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:50	75-25-2	
Bromomethane	ND	ug/kg	26.8	20.8	1	09/04/24 15:40	09/04/24 18:50	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	134	32.2	1	09/04/24 15:40	09/04/24 18:50	78-93-3	
n-Butylbenzene	ND	ug/kg	6.7	4.2	1	09/04/24 15:40	09/04/24 18:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:50	98-06-6	
Carbon disulfide	ND	ug/kg	13.4	8.4	1	09/04/24 15:40	09/04/24 18:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.7	2.5	1	09/04/24 15:40	09/04/24 18:50	56-23-5	
Chlorobenzene	ND	ug/kg	6.7	3.9	1	09/04/24 15:40	09/04/24 18:50	108-90-7	
Chloroethane	ND	ug/kg	13.4	5.2	1	09/04/24 15:40	09/04/24 18:50	75-00-3	
Chloroform	ND	ug/kg	6.7	5.6	1	09/04/24 15:40	09/04/24 18:50	67-66-3	
Chloromethane	ND	ug/kg	13.4	5.6	1	09/04/24 15:40	09/04/24 18:50	74-87-3	v1
2-Chlorotoluene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.7	3.7	1	09/04/24 15:40	09/04/24 18:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:50	96-12-8	
Dibromochloromethane	ND	ug/kg	6.7	3.8	1	09/04/24 15:40	09/04/24 18:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:50	106-93-4	
Dibromomethane	ND	ug/kg	6.7	1.4	1	09/04/24 15:40	09/04/24 18:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.7	1.7	1	09/04/24 15:40	09/04/24 18:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.4	6.8	1	09/04/24 15:40	09/04/24 18:50	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.7	2.8	1	09/04/24 15:40	09/04/24 18:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.7	4.4	1	09/04/24 15:40	09/04/24 18:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.7	2.8	1	09/04/24 15:40	09/04/24 18:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.7	5.7	1	09/04/24 15:40	09/04/24 18:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.7	2.0	1	09/04/24 15:40	09/04/24 18:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.7	5.1	1	09/04/24 15:40	09/04/24 18:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.7	3.2	1	09/04/24 15:40	09/04/24 18:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:50	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:50	108-20-3	
Ethylbenzene	ND	ug/kg	6.7	3.1	1	09/04/24 15:40	09/04/24 18:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.4	4.0	1	09/04/24 15:40	09/04/24 18:50	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.4	11.0	1	09/04/24 15:40	09/04/24 18:50	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-11 (2-5) Lab ID: 92749616021 Collected: 08/22/24 14:09 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:50	110-54-3	
2-Hexanone	ND	ug/kg	67.1	6.5	1	09/04/24 15:40	09/04/24 18:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.7	3.3	1	09/04/24 15:40	09/04/24 18:50	99-87-6	
Methylene Chloride	ND	ug/kg	26.8	18.4	1	09/04/24 15:40	09/04/24 18:50	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.1	6.5	1	09/04/24 15:40	09/04/24 18:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.7	2.5	1	09/04/24 15:40	09/04/24 18:50	1634-04-4	
Naphthalene	ND	ug/kg	6.7	3.5	1	09/04/24 15:40	09/04/24 18:50	91-20-3	
n-Propylbenzene	ND	ug/kg	6.7	2.4	1	09/04/24 15:40	09/04/24 18:50	103-65-1	
Styrene	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.7	2.6	1	09/04/24 15:40	09/04/24 18:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.7	1.8	1	09/04/24 15:40	09/04/24 18:50	79-34-5	
Tetrachloroethene	ND	ug/kg	6.7	2.1	1	09/04/24 15:40	09/04/24 18:50	127-18-4	
Toluene	ND	ug/kg	6.7	4.6	1	09/04/24 15:40	09/04/24 18:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.7	5.4	1	09/04/24 15:40	09/04/24 18:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.7	5.6	1	09/04/24 15:40	09/04/24 18:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.7	3.5	1	09/04/24 15:40	09/04/24 18:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.7	2.2	1	09/04/24 15:40	09/04/24 18:50	79-00-5	
Trichloroethene	ND	ug/kg	6.7	5.4	1	09/04/24 15:40	09/04/24 18:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.7	3.7	1	09/04/24 15:40	09/04/24 18:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.7	3.4	1	09/04/24 15:40	09/04/24 18:50	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.7	2.3	1	09/04/24 15:40	09/04/24 18:50	108-67-8	
Vinyl acetate	ND	ug/kg	67.1	13.8	1	09/04/24 15:40	09/04/24 18:50	108-05-4	
Vinyl chloride	ND	ug/kg	13.4	3.4	1	09/04/24 15:40	09/04/24 18:50	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.4	3.8	1	09/04/24 15:40	09/04/24 18:50	1330-20-7	
m&p-Xylene	ND	ug/kg	13.4	4.6	1	09/04/24 15:40	09/04/24 18:50	179601-23-1	
o-Xylene	ND	ug/kg	6.7	3.0	1	09/04/24 15:40	09/04/24 18:50	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	09/04/24 15:40	09/04/24 18:50	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 15:40	09/04/24 18:50	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1	09/04/24 15:40	09/04/24 18:50	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	16.1	%	0.10	0.10	1		08/26/24 17:47		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-12 (0-2) Lab ID: 92749616022 Collected: 08/22/24 14:36 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	171	54.9	1	09/04/24 16:26	09/05/24 01:22	67-64-1	v1
Acrolein	ND	ug/kg	171	52.1	1	09/04/24 16:26	09/05/24 01:22	107-02-8	
Acrylonitrile	ND	ug/kg	171	29.7	1	09/04/24 16:26	09/05/24 01:22	107-13-1	
Benzene	ND	ug/kg	8.5	3.4	1	09/04/24 16:26	09/05/24 01:22	71-43-2	
Bromobenzene	ND	ug/kg	8.5	2.8	1	09/04/24 16:26	09/05/24 01:22	108-86-1	v1
Bromochloromethane	ND	ug/kg	8.5	2.5	1	09/04/24 16:26	09/05/24 01:22	74-97-5	
Bromodichloromethane	ND	ug/kg	8.5	3.3	1	09/04/24 16:26	09/05/24 01:22	75-27-4	
Bromoform	ND	ug/kg	8.5	3.0	1	09/04/24 16:26	09/05/24 01:22	75-25-2	
Bromomethane	ND	ug/kg	34.2	26.5	1	09/04/24 16:26	09/05/24 01:22	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	171	41.0	1	09/04/24 16:26	09/05/24 01:22	78-93-3	
n-Butylbenzene	ND	ug/kg	8.5	5.4	1	09/04/24 16:26	09/05/24 01:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.5	3.8	1	09/04/24 16:26	09/05/24 01:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.5	3.0	1	09/04/24 16:26	09/05/24 01:22	98-06-6	v1
Carbon disulfide	ND	ug/kg	17.1	10.7	1	09/04/24 16:26	09/05/24 01:22	75-15-0	
Carbon tetrachloride	ND	ug/kg	8.5	3.2	1	09/04/24 16:26	09/05/24 01:22	56-23-5	
Chlorobenzene	ND	ug/kg	8.5	4.9	1	09/04/24 16:26	09/05/24 01:22	108-90-7	
Chloroethane	ND	ug/kg	17.1	6.6	1	09/04/24 16:26	09/05/24 01:22	75-00-3	v1
Chloroform	ND	ug/kg	8.5	7.1	1	09/04/24 16:26	09/05/24 01:22	67-66-3	
Chloromethane	ND	ug/kg	17.1	7.2	1	09/04/24 16:26	09/05/24 01:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.5	3.0	1	09/04/24 16:26	09/05/24 01:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.5	4.8	1	09/04/24 16:26	09/05/24 01:22	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.5	3.3	1	09/04/24 16:26	09/05/24 01:22	96-12-8	
Dibromochloromethane	ND	ug/kg	8.5	4.8	1	09/04/24 16:26	09/05/24 01:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.5	3.8	1	09/04/24 16:26	09/05/24 01:22	106-93-4	
Dibromomethane	ND	ug/kg	8.5	1.8	1	09/04/24 16:26	09/05/24 01:22	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	8.5	3.1	1	09/04/24 16:26	09/05/24 01:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.5	2.7	1	09/04/24 16:26	09/05/24 01:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.5	2.2	1	09/04/24 16:26	09/05/24 01:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	17.1	8.7	1	09/04/24 16:26	09/05/24 01:22	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	8.5	3.5	1	09/04/24 16:26	09/05/24 01:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.5	5.7	1	09/04/24 16:26	09/05/24 01:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	8.5	3.5	1	09/04/24 16:26	09/05/24 01:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	8.5	2.9	1	09/04/24 16:26	09/05/24 01:22	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	8.5	7.3	1	09/04/24 16:26	09/05/24 01:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.5	2.6	1	09/04/24 16:26	09/05/24 01:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.5	2.7	1	09/04/24 16:26	09/05/24 01:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.5	6.5	1	09/04/24 16:26	09/05/24 01:22	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	8.5	4.1	1	09/04/24 16:26	09/05/24 01:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.5	2.3	1	09/04/24 16:26	09/05/24 01:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.5	2.9	1	09/04/24 16:26	09/05/24 01:22	10061-02-6	
Diisopropyl ether	ND	ug/kg	8.5	2.3	1	09/04/24 16:26	09/05/24 01:22	108-20-3	v1
Ethylbenzene	ND	ug/kg	8.5	4.0	1	09/04/24 16:26	09/05/24 01:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	17.1	5.1	1	09/04/24 16:26	09/05/24 01:22	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	17.1	14.0	1	09/04/24 16:26	09/05/24 01:22	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-12 (0-2) Lab ID: 92749616022 Collected: 08/22/24 14:36 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	8.5	2.8	1	09/04/24 16:26	09/05/24 01:22	110-54-3	
2-Hexanone	ND	ug/kg	85.5	8.2	1	09/04/24 16:26	09/05/24 01:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.5	2.9	1	09/04/24 16:26	09/05/24 01:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.5	4.2	1	09/04/24 16:26	09/05/24 01:22	99-87-6	
Methylene Chloride	ND	ug/kg	34.2	23.4	1	09/04/24 16:26	09/05/24 01:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	85.5	8.2	1	09/04/24 16:26	09/05/24 01:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.5	3.2	1	09/04/24 16:26	09/05/24 01:22	1634-04-4	
Naphthalene	ND	ug/kg	8.5	4.5	1	09/04/24 16:26	09/05/24 01:22	91-20-3	
n-Propylbenzene	ND	ug/kg	8.5	3.0	1	09/04/24 16:26	09/05/24 01:22	103-65-1	
Styrene	ND	ug/kg	8.5	2.3	1	09/04/24 16:26	09/05/24 01:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.5	3.3	1	09/04/24 16:26	09/05/24 01:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.5	2.3	1	09/04/24 16:26	09/05/24 01:22	79-34-5	
Tetrachloroethene	ND	ug/kg	8.5	2.7	1	09/04/24 16:26	09/05/24 01:22	127-18-4	
Toluene	ND	ug/kg	8.5	5.9	1	09/04/24 16:26	09/05/24 01:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.5	6.9	1	09/04/24 16:26	09/05/24 01:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.5	7.2	1	09/04/24 16:26	09/05/24 01:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.5	4.4	1	09/04/24 16:26	09/05/24 01:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.5	2.8	1	09/04/24 16:26	09/05/24 01:22	79-00-5	
Trichloroethene	ND	ug/kg	8.5	6.9	1	09/04/24 16:26	09/05/24 01:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.5	4.7	1	09/04/24 16:26	09/05/24 01:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.5	4.3	1	09/04/24 16:26	09/05/24 01:22	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	8.5	2.9	1	09/04/24 16:26	09/05/24 01:22	108-67-8	
Vinyl acetate	ND	ug/kg	85.5	17.6	1	09/04/24 16:26	09/05/24 01:22	108-05-4	
Vinyl chloride	ND	ug/kg	17.1	4.3	1	09/04/24 16:26	09/05/24 01:22	75-01-4	
Xylene (Total)	ND	ug/kg	17.1	4.9	1	09/04/24 16:26	09/05/24 01:22	1330-20-7	
m&p-Xylene	ND	ug/kg	17.1	5.8	1	09/04/24 16:26	09/05/24 01:22	179601-23-1	
o-Xylene	ND	ug/kg	8.5	3.8	1	09/04/24 16:26	09/05/24 01:22	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1	09/04/24 16:26	09/05/24 01:22	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1	09/04/24 16:26	09/05/24 01:22	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:26	09/05/24 01:22	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	15.0	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-12 (2-5) Lab ID: 92749616023 Collected: 08/22/24 14:35 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	144	46.2	1	09/04/24 16:26	09/05/24 01:40	67-64-1	v1
Acrolein	ND	ug/kg	144	43.8	1	09/04/24 16:26	09/05/24 01:40	107-02-8	
Acrylonitrile	ND	ug/kg	144	25.0	1	09/04/24 16:26	09/05/24 01:40	107-13-1	
Benzene	ND	ug/kg	7.2	2.9	1	09/04/24 16:26	09/05/24 01:40	71-43-2	
Bromobenzene	ND	ug/kg	7.2	2.3	1	09/04/24 16:26	09/05/24 01:40	108-86-1	v1
Bromochloromethane	ND	ug/kg	7.2	2.1	1	09/04/24 16:26	09/05/24 01:40	74-97-5	
Bromodichloromethane	ND	ug/kg	7.2	2.8	1	09/04/24 16:26	09/05/24 01:40	75-27-4	
Bromoform	ND	ug/kg	7.2	2.5	1	09/04/24 16:26	09/05/24 01:40	75-25-2	
Bromomethane	ND	ug/kg	28.8	22.3	1	09/04/24 16:26	09/05/24 01:40	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	144	34.5	1	09/04/24 16:26	09/05/24 01:40	78-93-3	
n-Butylbenzene	ND	ug/kg	7.2	4.5	1	09/04/24 16:26	09/05/24 01:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.2	3.2	1	09/04/24 16:26	09/05/24 01:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.2	2.6	1	09/04/24 16:26	09/05/24 01:40	98-06-6	v1
Carbon disulfide	ND	ug/kg	14.4	9.0	1	09/04/24 16:26	09/05/24 01:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.2	2.7	1	09/04/24 16:26	09/05/24 01:40	56-23-5	
Chlorobenzene	ND	ug/kg	7.2	4.1	1	09/04/24 16:26	09/05/24 01:40	108-90-7	
Chloroethane	ND	ug/kg	14.4	5.5	1	09/04/24 16:26	09/05/24 01:40	75-00-3	v1
Chloroform	ND	ug/kg	7.2	6.0	1	09/04/24 16:26	09/05/24 01:40	67-66-3	
Chloromethane	ND	ug/kg	14.4	6.0	1	09/04/24 16:26	09/05/24 01:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.2	2.5	1	09/04/24 16:26	09/05/24 01:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.2	4.0	1	09/04/24 16:26	09/05/24 01:40	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.2	2.8	1	09/04/24 16:26	09/05/24 01:40	96-12-8	
Dibromochloromethane	ND	ug/kg	7.2	4.0	1	09/04/24 16:26	09/05/24 01:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.2	3.2	1	09/04/24 16:26	09/05/24 01:40	106-93-4	
Dibromomethane	ND	ug/kg	7.2	1.5	1	09/04/24 16:26	09/05/24 01:40	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.2	2.6	1	09/04/24 16:26	09/05/24 01:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.2	2.2	1	09/04/24 16:26	09/05/24 01:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.2	1.9	1	09/04/24 16:26	09/05/24 01:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.4	7.3	1	09/04/24 16:26	09/05/24 01:40	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	7.2	3.0	1	09/04/24 16:26	09/05/24 01:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.2	4.8	1	09/04/24 16:26	09/05/24 01:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.2	3.0	1	09/04/24 16:26	09/05/24 01:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.2	2.5	1	09/04/24 16:26	09/05/24 01:40	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	7.2	6.1	1	09/04/24 16:26	09/05/24 01:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.2	2.2	1	09/04/24 16:26	09/05/24 01:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.2	2.2	1	09/04/24 16:26	09/05/24 01:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.2	5.4	1	09/04/24 16:26	09/05/24 01:40	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	7.2	3.5	1	09/04/24 16:26	09/05/24 01:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.2	2.0	1	09/04/24 16:26	09/05/24 01:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.2	2.5	1	09/04/24 16:26	09/05/24 01:40	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.2	1.9	1	09/04/24 16:26	09/05/24 01:40	108-20-3	v1
Ethylbenzene	ND	ug/kg	7.2	3.3	1	09/04/24 16:26	09/05/24 01:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.4	4.3	1	09/04/24 16:26	09/05/24 01:40	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.4	11.8	1	09/04/24 16:26	09/05/24 01:40	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-12 (2-5) Lab ID: 92749616023 Collected: 08/22/24 14:35 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.2	2.4	1	09/04/24 16:26	09/05/24 01:40	110-54-3	
2-Hexanone	ND	ug/kg	71.9	6.9	1	09/04/24 16:26	09/05/24 01:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.2	2.4	1	09/04/24 16:26	09/05/24 01:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.2	3.5	1	09/04/24 16:26	09/05/24 01:40	99-87-6	
Methylene Chloride	ND	ug/kg	28.8	19.7	1	09/04/24 16:26	09/05/24 01:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	71.9	6.9	1	09/04/24 16:26	09/05/24 01:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.2	2.7	1	09/04/24 16:26	09/05/24 01:40	1634-04-4	
Naphthalene	ND	ug/kg	7.2	3.8	1	09/04/24 16:26	09/05/24 01:40	91-20-3	
n-Propylbenzene	ND	ug/kg	7.2	2.6	1	09/04/24 16:26	09/05/24 01:40	103-65-1	
Styrene	ND	ug/kg	7.2	1.9	1	09/04/24 16:26	09/05/24 01:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.2	2.8	1	09/04/24 16:26	09/05/24 01:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.2	1.9	1	09/04/24 16:26	09/05/24 01:40	79-34-5	
Tetrachloroethene	ND	ug/kg	7.2	2.3	1	09/04/24 16:26	09/05/24 01:40	127-18-4	
Toluene	ND	ug/kg	7.2	5.0	1	09/04/24 16:26	09/05/24 01:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.2	5.8	1	09/04/24 16:26	09/05/24 01:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.2	6.0	1	09/04/24 16:26	09/05/24 01:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.2	3.7	1	09/04/24 16:26	09/05/24 01:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.2	2.4	1	09/04/24 16:26	09/05/24 01:40	79-00-5	
Trichloroethene	ND	ug/kg	7.2	5.8	1	09/04/24 16:26	09/05/24 01:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.2	4.0	1	09/04/24 16:26	09/05/24 01:40	75-69-4	
1,2,3-Trichloropropane	4.5J	ug/kg	7.2	3.6	1	09/04/24 16:26	09/05/24 01:40	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.2	2.4	1	09/04/24 16:26	09/05/24 01:40	108-67-8	
Vinyl acetate	ND	ug/kg	71.9	14.8	1	09/04/24 16:26	09/05/24 01:40	108-05-4	
Vinyl chloride	ND	ug/kg	14.4	3.7	1	09/04/24 16:26	09/05/24 01:40	75-01-4	
Xylene (Total)	ND	ug/kg	14.4	4.1	1	09/04/24 16:26	09/05/24 01:40	1330-20-7	
m&p-Xylene	ND	ug/kg	14.4	4.9	1	09/04/24 16:26	09/05/24 01:40	179601-23-1	
o-Xylene	ND	ug/kg	7.2	3.2	1	09/04/24 16:26	09/05/24 01:40	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 01:40	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 01:40	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1	09/04/24 16:26	09/05/24 01:40	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.5	%	0.10	0.10	1		08/26/24 17:47		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-13 (0-2) Lab ID: 92749616024 Collected: 08/22/24 12:00 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	119	38.1	1	09/04/24 16:26	09/05/24 02:18	67-64-1	v1
Acrolein	ND	ug/kg	119	36.2	1	09/04/24 16:26	09/05/24 02:18	107-02-8	
Acrylonitrile	ND	ug/kg	119	20.7	1	09/04/24 16:26	09/05/24 02:18	107-13-1	
Benzene	ND	ug/kg	5.9	2.4	1	09/04/24 16:26	09/05/24 02:18	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1.9	1	09/04/24 16:26	09/05/24 02:18	108-86-1	v1
Bromochloromethane	ND	ug/kg	5.9	1.8	1	09/04/24 16:26	09/05/24 02:18	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	2.3	1	09/04/24 16:26	09/05/24 02:18	75-27-4	
Bromoform	ND	ug/kg	5.9	2.1	1	09/04/24 16:26	09/05/24 02:18	75-25-2	
Bromomethane	ND	ug/kg	23.8	18.4	1	09/04/24 16:26	09/05/24 02:18	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	119	28.5	1	09/04/24 16:26	09/05/24 02:18	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	3.7	1	09/04/24 16:26	09/05/24 02:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	2.6	1	09/04/24 16:26	09/05/24 02:18	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	2.1	1	09/04/24 16:26	09/05/24 02:18	98-06-6	v1
Carbon disulfide	ND	ug/kg	11.9	7.5	1	09/04/24 16:26	09/05/24 02:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	2.2	1	09/04/24 16:26	09/05/24 02:18	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	3.4	1	09/04/24 16:26	09/05/24 02:18	108-90-7	
Chloroethane	ND	ug/kg	11.9	4.6	1	09/04/24 16:26	09/05/24 02:18	75-00-3	v1
Chloroform	ND	ug/kg	5.9	5.0	1	09/04/24 16:26	09/05/24 02:18	67-66-3	
Chloromethane	ND	ug/kg	11.9	5.0	1	09/04/24 16:26	09/05/24 02:18	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	2.1	1	09/04/24 16:26	09/05/24 02:18	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	3.3	1	09/04/24 16:26	09/05/24 02:18	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	2.3	1	09/04/24 16:26	09/05/24 02:18	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	3.3	1	09/04/24 16:26	09/05/24 02:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	2.6	1	09/04/24 16:26	09/05/24 02:18	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1.3	1	09/04/24 16:26	09/05/24 02:18	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	5.9	2.1	1	09/04/24 16:26	09/05/24 02:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1.8	1	09/04/24 16:26	09/05/24 02:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1.5	1	09/04/24 16:26	09/05/24 02:18	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.9	6.0	1	09/04/24 16:26	09/05/24 02:18	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	5.9	2.4	1	09/04/24 16:26	09/05/24 02:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	3.9	1	09/04/24 16:26	09/05/24 02:18	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	2.4	1	09/04/24 16:26	09/05/24 02:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	2.0	1	09/04/24 16:26	09/05/24 02:18	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	5.9	5.0	1	09/04/24 16:26	09/05/24 02:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1.8	1	09/04/24 16:26	09/05/24 02:18	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1.9	1	09/04/24 16:26	09/05/24 02:18	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	4.5	1	09/04/24 16:26	09/05/24 02:18	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	5.9	2.9	1	09/04/24 16:26	09/05/24 02:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1.6	1	09/04/24 16:26	09/05/24 02:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	2.0	1	09/04/24 16:26	09/05/24 02:18	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	1.6	1	09/04/24 16:26	09/05/24 02:18	108-20-3	v1
Ethylbenzene	ND	ug/kg	5.9	2.8	1	09/04/24 16:26	09/05/24 02:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	11.9	3.5	1	09/04/24 16:26	09/05/24 02:18	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	11.9	9.7	1	09/04/24 16:26	09/05/24 02:18	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-13 (0-2) Lab ID: 92749616024 Collected: 08/22/24 12:00 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	5.9	2.0	1	09/04/24 16:26	09/05/24 02:18	110-54-3	
2-Hexanone	ND	ug/kg	59.4	5.7	1	09/04/24 16:26	09/05/24 02:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	2.0	1	09/04/24 16:26	09/05/24 02:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	2.9	1	09/04/24 16:26	09/05/24 02:18	99-87-6	
Methylene Chloride	ND	ug/kg	23.8	16.3	1	09/04/24 16:26	09/05/24 02:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.4	5.7	1	09/04/24 16:26	09/05/24 02:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	2.2	1	09/04/24 16:26	09/05/24 02:18	1634-04-4	
Naphthalene	ND	ug/kg	5.9	3.1	1	09/04/24 16:26	09/05/24 02:18	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	2.1	1	09/04/24 16:26	09/05/24 02:18	103-65-1	
Styrene	ND	ug/kg	5.9	1.6	1	09/04/24 16:26	09/05/24 02:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	2.3	1	09/04/24 16:26	09/05/24 02:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1.6	1	09/04/24 16:26	09/05/24 02:18	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1.9	1	09/04/24 16:26	09/05/24 02:18	127-18-4	
Toluene	ND	ug/kg	5.9	4.1	1	09/04/24 16:26	09/05/24 02:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	4.8	1	09/04/24 16:26	09/05/24 02:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	5.0	1	09/04/24 16:26	09/05/24 02:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	3.1	1	09/04/24 16:26	09/05/24 02:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	2.0	1	09/04/24 16:26	09/05/24 02:18	79-00-5	
Trichloroethene	ND	ug/kg	5.9	4.8	1	09/04/24 16:26	09/05/24 02:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	3.3	1	09/04/24 16:26	09/05/24 02:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	3.0	1	09/04/24 16:26	09/05/24 02:18	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	2.0	1	09/04/24 16:26	09/05/24 02:18	108-67-8	
Vinyl acetate	ND	ug/kg	59.4	12.2	1	09/04/24 16:26	09/05/24 02:18	108-05-4	
Vinyl chloride	ND	ug/kg	11.9	3.0	1	09/04/24 16:26	09/05/24 02:18	75-01-4	
Xylene (Total)	ND	ug/kg	11.9	3.4	1	09/04/24 16:26	09/05/24 02:18	1330-20-7	
m&p-Xylene	ND	ug/kg	11.9	4.1	1	09/04/24 16:26	09/05/24 02:18	179601-23-1	
o-Xylene	ND	ug/kg	5.9	2.6	1	09/04/24 16:26	09/05/24 02:18	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:26	09/05/24 02:18	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 16:26	09/05/24 02:18	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/04/24 16:26	09/05/24 02:18	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	14.2	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-13 (2-5) Lab ID: 92749616025 Collected: 08/22/24 12:03 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	149	47.8	1	09/04/24 16:26	09/05/24 02:36	67-64-1	v1
Acrolein	ND	ug/kg	149	45.3	1	09/04/24 16:26	09/05/24 02:36	107-02-8	
Acrylonitrile	ND	ug/kg	149	25.9	1	09/04/24 16:26	09/05/24 02:36	107-13-1	
Benzene	ND	ug/kg	7.4	3.0	1	09/04/24 16:26	09/05/24 02:36	71-43-2	
Bromobenzene	ND	ug/kg	7.4	2.4	1	09/04/24 16:26	09/05/24 02:36	108-86-1	v1
Bromochloromethane	ND	ug/kg	7.4	2.2	1	09/04/24 16:26	09/05/24 02:36	74-97-5	
Bromodichloromethane	ND	ug/kg	7.4	2.9	1	09/04/24 16:26	09/05/24 02:36	75-27-4	
Bromoform	ND	ug/kg	7.4	2.6	1	09/04/24 16:26	09/05/24 02:36	75-25-2	
Bromomethane	ND	ug/kg	29.8	23.1	1	09/04/24 16:26	09/05/24 02:36	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	149	35.7	1	09/04/24 16:26	09/05/24 02:36	78-93-3	
n-Butylbenzene	ND	ug/kg	7.4	4.7	1	09/04/24 16:26	09/05/24 02:36	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.4	3.3	1	09/04/24 16:26	09/05/24 02:36	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.4	2.6	1	09/04/24 16:26	09/05/24 02:36	98-06-6	v1
Carbon disulfide	ND	ug/kg	14.9	9.3	1	09/04/24 16:26	09/05/24 02:36	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.4	2.8	1	09/04/24 16:26	09/05/24 02:36	56-23-5	
Chlorobenzene	ND	ug/kg	7.4	4.3	1	09/04/24 16:26	09/05/24 02:36	108-90-7	
Chloroethane	ND	ug/kg	14.9	5.7	1	09/04/24 16:26	09/05/24 02:36	75-00-3	v1
Chloroform	ND	ug/kg	7.4	6.2	1	09/04/24 16:26	09/05/24 02:36	67-66-3	
Chloromethane	ND	ug/kg	14.9	6.3	1	09/04/24 16:26	09/05/24 02:36	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.4	2.6	1	09/04/24 16:26	09/05/24 02:36	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.4	4.1	1	09/04/24 16:26	09/05/24 02:36	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.4	2.9	1	09/04/24 16:26	09/05/24 02:36	96-12-8	
Dibromochloromethane	ND	ug/kg	7.4	4.2	1	09/04/24 16:26	09/05/24 02:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.4	3.3	1	09/04/24 16:26	09/05/24 02:36	106-93-4	
Dibromomethane	ND	ug/kg	7.4	1.6	1	09/04/24 16:26	09/05/24 02:36	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.4	2.7	1	09/04/24 16:26	09/05/24 02:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.4	2.3	1	09/04/24 16:26	09/05/24 02:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.4	1.9	1	09/04/24 16:26	09/05/24 02:36	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.9	7.6	1	09/04/24 16:26	09/05/24 02:36	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	7.4	3.1	1	09/04/24 16:26	09/05/24 02:36	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.4	4.9	1	09/04/24 16:26	09/05/24 02:36	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.4	3.1	1	09/04/24 16:26	09/05/24 02:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.4	2.5	1	09/04/24 16:26	09/05/24 02:36	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	7.4	6.3	1	09/04/24 16:26	09/05/24 02:36	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.4	2.2	1	09/04/24 16:26	09/05/24 02:36	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.4	2.3	1	09/04/24 16:26	09/05/24 02:36	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.4	5.6	1	09/04/24 16:26	09/05/24 02:36	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	7.4	3.6	1	09/04/24 16:26	09/05/24 02:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.4	2.0	1	09/04/24 16:26	09/05/24 02:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.4	2.6	1	09/04/24 16:26	09/05/24 02:36	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.4	2.0	1	09/04/24 16:26	09/05/24 02:36	108-20-3	v1
Ethylbenzene	ND	ug/kg	7.4	3.5	1	09/04/24 16:26	09/05/24 02:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.9	4.4	1	09/04/24 16:26	09/05/24 02:36	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.9	12.2	1	09/04/24 16:26	09/05/24 02:36	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-13 (2-5) Lab ID: 92749616025 Collected: 08/22/24 12:03 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.4	2.5	1	09/04/24 16:26	09/05/24 02:36	110-54-3	
2-Hexanone	ND	ug/kg	74.4	7.2	1	09/04/24 16:26	09/05/24 02:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.4	2.5	1	09/04/24 16:26	09/05/24 02:36	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.4	3.7	1	09/04/24 16:26	09/05/24 02:36	99-87-6	
Methylene Chloride	ND	ug/kg	29.8	20.4	1	09/04/24 16:26	09/05/24 02:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	74.4	7.2	1	09/04/24 16:26	09/05/24 02:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.4	2.8	1	09/04/24 16:26	09/05/24 02:36	1634-04-4	
Naphthalene	ND	ug/kg	7.4	3.9	1	09/04/24 16:26	09/05/24 02:36	91-20-3	
n-Propylbenzene	ND	ug/kg	7.4	2.6	1	09/04/24 16:26	09/05/24 02:36	103-65-1	
Styrene	ND	ug/kg	7.4	2.0	1	09/04/24 16:26	09/05/24 02:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.4	2.9	1	09/04/24 16:26	09/05/24 02:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.4	2.0	1	09/04/24 16:26	09/05/24 02:36	79-34-5	
Tetrachloroethene	ND	ug/kg	7.4	2.4	1	09/04/24 16:26	09/05/24 02:36	127-18-4	
Toluene	ND	ug/kg	7.4	5.1	1	09/04/24 16:26	09/05/24 02:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.4	6.0	1	09/04/24 16:26	09/05/24 02:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.4	6.3	1	09/04/24 16:26	09/05/24 02:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.4	3.9	1	09/04/24 16:26	09/05/24 02:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.4	2.5	1	09/04/24 16:26	09/05/24 02:36	79-00-5	
Trichloroethene	ND	ug/kg	7.4	6.0	1	09/04/24 16:26	09/05/24 02:36	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.4	4.1	1	09/04/24 16:26	09/05/24 02:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.4	3.8	1	09/04/24 16:26	09/05/24 02:36	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.4	2.5	1	09/04/24 16:26	09/05/24 02:36	108-67-8	
Vinyl acetate	ND	ug/kg	74.4	15.3	1	09/04/24 16:26	09/05/24 02:36	108-05-4	
Vinyl chloride	ND	ug/kg	14.9	3.8	1	09/04/24 16:26	09/05/24 02:36	75-01-4	
Xylene (Total)	ND	ug/kg	14.9	4.2	1	09/04/24 16:26	09/05/24 02:36	1330-20-7	
m&p-Xylene	ND	ug/kg	14.9	5.1	1	09/04/24 16:26	09/05/24 02:36	179601-23-1	
o-Xylene	ND	ug/kg	7.4	3.3	1	09/04/24 16:26	09/05/24 02:36	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 02:36	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 16:26	09/05/24 02:36	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/04/24 16:26	09/05/24 02:36	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	22.4	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-14 (0-2) Lab ID: 92749616026 Collected: 08/22/24 12:06 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	138	44.4	1	09/04/24 16:26	09/05/24 02:55	67-64-1	v1
Acrolein	ND	ug/kg	138	42.2	1	09/04/24 16:26	09/05/24 02:55	107-02-8	
Acrylonitrile	ND	ug/kg	138	24.1	1	09/04/24 16:26	09/05/24 02:55	107-13-1	
Benzene	ND	ug/kg	6.9	2.8	1	09/04/24 16:26	09/05/24 02:55	71-43-2	
Bromobenzene	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 02:55	108-86-1	v1
Bromochloromethane	ND	ug/kg	6.9	2.0	1	09/04/24 16:26	09/05/24 02:55	74-97-5	
Bromodichloromethane	ND	ug/kg	6.9	2.7	1	09/04/24 16:26	09/05/24 02:55	75-27-4	
Bromoform	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 02:55	75-25-2	
Bromomethane	ND	ug/kg	27.7	21.5	1	09/04/24 16:26	09/05/24 02:55	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	138	33.2	1	09/04/24 16:26	09/05/24 02:55	78-93-3	
n-Butylbenzene	ND	ug/kg	6.9	4.4	1	09/04/24 16:26	09/05/24 02:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.9	3.0	1	09/04/24 16:26	09/05/24 02:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.9	2.5	1	09/04/24 16:26	09/05/24 02:55	98-06-6	
Carbon disulfide	ND	ug/kg	13.8	8.7	1	09/04/24 16:26	09/05/24 02:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.9	2.6	1	09/04/24 16:26	09/05/24 02:55	56-23-5	
Chlorobenzene	ND	ug/kg	6.9	4.0	1	09/04/24 16:26	09/05/24 02:55	108-90-7	
Chloroethane	ND	ug/kg	13.8	5.3	1	09/04/24 16:26	09/05/24 02:55	75-00-3	
Chloroform	ND	ug/kg	6.9	5.8	1	09/04/24 16:26	09/05/24 02:55	67-66-3	
Chloromethane	ND	ug/kg	13.8	5.8	1	09/04/24 16:26	09/05/24 02:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.9	2.5	1	09/04/24 16:26	09/05/24 02:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.9	3.8	1	09/04/24 16:26	09/05/24 02:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	2.7	1	09/04/24 16:26	09/05/24 02:55	96-12-8	
Dibromochloromethane	ND	ug/kg	6.9	3.9	1	09/04/24 16:26	09/05/24 02:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	3.0	1	09/04/24 16:26	09/05/24 02:55	106-93-4	
Dibromomethane	ND	ug/kg	6.9	1.5	1	09/04/24 16:26	09/05/24 02:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.9	2.5	1	09/04/24 16:26	09/05/24 02:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.9	2.1	1	09/04/24 16:26	09/05/24 02:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.9	1.8	1	09/04/24 16:26	09/05/24 02:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.8	7.0	1	09/04/24 16:26	09/05/24 02:55	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.9	2.9	1	09/04/24 16:26	09/05/24 02:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.9	4.6	1	09/04/24 16:26	09/05/24 02:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.9	2.9	1	09/04/24 16:26	09/05/24 02:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 02:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.9	5.9	1	09/04/24 16:26	09/05/24 02:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.9	2.1	1	09/04/24 16:26	09/05/24 02:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.9	2.2	1	09/04/24 16:26	09/05/24 02:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.9	5.2	1	09/04/24 16:26	09/05/24 02:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.9	3.3	1	09/04/24 16:26	09/05/24 02:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1.9	1	09/04/24 16:26	09/05/24 02:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 02:55	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.9	1.9	1	09/04/24 16:26	09/05/24 02:55	108-20-3	
Ethylbenzene	ND	ug/kg	6.9	3.2	1	09/04/24 16:26	09/05/24 02:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.8	4.1	1	09/04/24 16:26	09/05/24 02:55	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.8	11.3	1	09/04/24 16:26	09/05/24 02:55	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-14 (0-2) Lab ID: 92749616026 Collected: 08/22/24 12:06 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 02:55	110-54-3	
2-Hexanone	ND	ug/kg	69.2	6.7	1	09/04/24 16:26	09/05/24 02:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 02:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.9	3.4	1	09/04/24 16:26	09/05/24 02:55	99-87-6	
Methylene Chloride	ND	ug/kg	27.7	19.0	1	09/04/24 16:26	09/05/24 02:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	69.2	6.7	1	09/04/24 16:26	09/05/24 02:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.9	2.6	1	09/04/24 16:26	09/05/24 02:55	1634-04-4	
Naphthalene	ND	ug/kg	6.9	3.6	1	09/04/24 16:26	09/05/24 02:55	91-20-3	
n-Propylbenzene	ND	ug/kg	6.9	2.5	1	09/04/24 16:26	09/05/24 02:55	103-65-1	
Styrene	ND	ug/kg	6.9	1.8	1	09/04/24 16:26	09/05/24 02:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	2.7	1	09/04/24 16:26	09/05/24 02:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1.8	1	09/04/24 16:26	09/05/24 02:55	79-34-5	
Tetrachloroethene	ND	ug/kg	6.9	2.2	1	09/04/24 16:26	09/05/24 02:55	127-18-4	
Toluene	ND	ug/kg	6.9	4.8	1	09/04/24 16:26	09/05/24 02:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	5.6	1	09/04/24 16:26	09/05/24 02:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	5.8	1	09/04/24 16:26	09/05/24 02:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.9	3.6	1	09/04/24 16:26	09/05/24 02:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 02:55	79-00-5	
Trichloroethene	ND	ug/kg	6.9	5.6	1	09/04/24 16:26	09/05/24 02:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.9	3.8	1	09/04/24 16:26	09/05/24 02:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.9	3.5	1	09/04/24 16:26	09/05/24 02:55	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 02:55	108-67-8	
Vinyl acetate	ND	ug/kg	69.2	14.2	1	09/04/24 16:26	09/05/24 02:55	108-05-4	
Vinyl chloride	ND	ug/kg	13.8	3.5	1	09/04/24 16:26	09/05/24 02:55	75-01-4	
Xylene (Total)	ND	ug/kg	13.8	3.9	1	09/04/24 16:26	09/05/24 02:55	1330-20-7	
m&p-Xylene	ND	ug/kg	13.8	4.7	1	09/04/24 16:26	09/05/24 02:55	179601-23-1	
o-Xylene	ND	ug/kg	6.9	3.1	1	09/04/24 16:26	09/05/24 02:55	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 02:55	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 16:26	09/05/24 02:55	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1	09/04/24 16:26	09/05/24 02:55	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	19.8	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-14 (2-5) Lab ID: 92749616027 Collected: 08/22/24 12:07 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	153	49.0	1	09/04/24 16:26	09/05/24 03:14	67-64-1	v1
Acrolein	ND	ug/kg	153	46.5	1	09/04/24 16:26	09/05/24 03:14	107-02-8	
Acrylonitrile	ND	ug/kg	153	26.5	1	09/04/24 16:26	09/05/24 03:14	107-13-1	
Benzene	ND	ug/kg	7.6	3.0	1	09/04/24 16:26	09/05/24 03:14	71-43-2	
Bromobenzene	ND	ug/kg	7.6	2.5	1	09/04/24 16:26	09/05/24 03:14	108-86-1	v1
Bromochloromethane	ND	ug/kg	7.6	2.3	1	09/04/24 16:26	09/05/24 03:14	74-97-5	
Bromodichloromethane	ND	ug/kg	7.6	2.9	1	09/04/24 16:26	09/05/24 03:14	75-27-4	
Bromoform	ND	ug/kg	7.6	2.7	1	09/04/24 16:26	09/05/24 03:14	75-25-2	
Bromomethane	ND	ug/kg	30.5	23.6	1	09/04/24 16:26	09/05/24 03:14	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	153	36.6	1	09/04/24 16:26	09/05/24 03:14	78-93-3	
n-Butylbenzene	ND	ug/kg	7.6	4.8	1	09/04/24 16:26	09/05/24 03:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.6	3.4	1	09/04/24 16:26	09/05/24 03:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.6	2.7	1	09/04/24 16:26	09/05/24 03:14	98-06-6	v1
Carbon disulfide	ND	ug/kg	15.3	9.6	1	09/04/24 16:26	09/05/24 03:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.6	2.9	1	09/04/24 16:26	09/05/24 03:14	56-23-5	
Chlorobenzene	ND	ug/kg	7.6	4.4	1	09/04/24 16:26	09/05/24 03:14	108-90-7	
Chloroethane	ND	ug/kg	15.3	5.9	1	09/04/24 16:26	09/05/24 03:14	75-00-3	v1
Chloroform	ND	ug/kg	7.6	6.4	1	09/04/24 16:26	09/05/24 03:14	67-66-3	
Chloromethane	ND	ug/kg	15.3	6.4	1	09/04/24 16:26	09/05/24 03:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.6	2.7	1	09/04/24 16:26	09/05/24 03:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.6	4.2	1	09/04/24 16:26	09/05/24 03:14	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.6	3.0	1	09/04/24 16:26	09/05/24 03:14	96-12-8	
Dibromochloromethane	ND	ug/kg	7.6	4.3	1	09/04/24 16:26	09/05/24 03:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.6	3.4	1	09/04/24 16:26	09/05/24 03:14	106-93-4	
Dibromomethane	ND	ug/kg	7.6	1.6	1	09/04/24 16:26	09/05/24 03:14	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.6	2.7	1	09/04/24 16:26	09/05/24 03:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.6	2.4	1	09/04/24 16:26	09/05/24 03:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.6	2.0	1	09/04/24 16:26	09/05/24 03:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.3	7.8	1	09/04/24 16:26	09/05/24 03:14	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	7.6	3.1	1	09/04/24 16:26	09/05/24 03:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.6	5.1	1	09/04/24 16:26	09/05/24 03:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.6	3.1	1	09/04/24 16:26	09/05/24 03:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.6	2.6	1	09/04/24 16:26	09/05/24 03:14	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	7.6	6.5	1	09/04/24 16:26	09/05/24 03:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.6	2.3	1	09/04/24 16:26	09/05/24 03:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.6	2.4	1	09/04/24 16:26	09/05/24 03:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.6	5.8	1	09/04/24 16:26	09/05/24 03:14	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	7.6	3.7	1	09/04/24 16:26	09/05/24 03:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.6	2.1	1	09/04/24 16:26	09/05/24 03:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.6	2.6	1	09/04/24 16:26	09/05/24 03:14	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.6	2.1	1	09/04/24 16:26	09/05/24 03:14	108-20-3	v1
Ethylbenzene	ND	ug/kg	7.6	3.6	1	09/04/24 16:26	09/05/24 03:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	15.3	4.5	1	09/04/24 16:26	09/05/24 03:14	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	15.3	12.5	1	09/04/24 16:26	09/05/24 03:14	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-14 (2-5) Lab ID: 92749616027 Collected: 08/22/24 12:07 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.6	2.5	1	09/04/24 16:26	09/05/24 03:14	110-54-3	
2-Hexanone	ND	ug/kg	76.3	7.4	1	09/04/24 16:26	09/05/24 03:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.6	2.6	1	09/04/24 16:26	09/05/24 03:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.6	3.8	1	09/04/24 16:26	09/05/24 03:14	99-87-6	
Methylene Chloride	ND	ug/kg	30.5	20.9	1	09/04/24 16:26	09/05/24 03:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	76.3	7.4	1	09/04/24 16:26	09/05/24 03:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.6	2.9	1	09/04/24 16:26	09/05/24 03:14	1634-04-4	
Naphthalene	ND	ug/kg	7.6	4.0	1	09/04/24 16:26	09/05/24 03:14	91-20-3	
n-Propylbenzene	ND	ug/kg	7.6	2.7	1	09/04/24 16:26	09/05/24 03:14	103-65-1	
Styrene	ND	ug/kg	7.6	2.0	1	09/04/24 16:26	09/05/24 03:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.6	2.9	1	09/04/24 16:26	09/05/24 03:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.6	2.0	1	09/04/24 16:26	09/05/24 03:14	79-34-5	
Tetrachloroethene	ND	ug/kg	7.6	2.4	1	09/04/24 16:26	09/05/24 03:14	127-18-4	
Toluene	ND	ug/kg	7.6	5.3	1	09/04/24 16:26	09/05/24 03:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.6	6.2	1	09/04/24 16:26	09/05/24 03:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.6	6.4	1	09/04/24 16:26	09/05/24 03:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.6	4.0	1	09/04/24 16:26	09/05/24 03:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.6	2.5	1	09/04/24 16:26	09/05/24 03:14	79-00-5	
Trichloroethene	ND	ug/kg	7.6	6.1	1	09/04/24 16:26	09/05/24 03:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.6	4.2	1	09/04/24 16:26	09/05/24 03:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.6	3.9	1	09/04/24 16:26	09/05/24 03:14	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.6	2.6	1	09/04/24 16:26	09/05/24 03:14	108-67-8	
Vinyl acetate	ND	ug/kg	76.3	15.7	1	09/04/24 16:26	09/05/24 03:14	108-05-4	
Vinyl chloride	ND	ug/kg	15.3	3.9	1	09/04/24 16:26	09/05/24 03:14	75-01-4	
Xylene (Total)	ND	ug/kg	15.3	4.3	1	09/04/24 16:26	09/05/24 03:14	1330-20-7	
m&p-Xylene	ND	ug/kg	15.3	5.2	1	09/04/24 16:26	09/05/24 03:14	179601-23-1	
o-Xylene	ND	ug/kg	7.6	3.4	1	09/04/24 16:26	09/05/24 03:14	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 03:14	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 03:14	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1	09/04/24 16:26	09/05/24 03:14	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	18.6	%	0.10	0.10	1		08/26/24 17:47		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-15 (0-2) Lab ID: 92749616028 Collected: 08/22/24 12:15 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	129	41.5	1	09/04/24 16:26	09/05/24 03:32	67-64-1	v1
Acrolein	ND	ug/kg	129	39.4	1	09/04/24 16:26	09/05/24 03:32	107-02-8	
Acrylonitrile	ND	ug/kg	129	22.5	1	09/04/24 16:26	09/05/24 03:32	107-13-1	
Benzene	ND	ug/kg	6.5	2.6	1	09/04/24 16:26	09/05/24 03:32	71-43-2	
Bromobenzene	ND	ug/kg	6.5	2.1	1	09/04/24 16:26	09/05/24 03:32	108-86-1	v1
Bromochloromethane	ND	ug/kg	6.5	1.9	1	09/04/24 16:26	09/05/24 03:32	74-97-5	
Bromodichloromethane	ND	ug/kg	6.5	2.5	1	09/04/24 16:26	09/05/24 03:32	75-27-4	
Bromoform	ND	ug/kg	6.5	2.3	1	09/04/24 16:26	09/05/24 03:32	75-25-2	
Bromomethane	ND	ug/kg	25.9	20.0	1	09/04/24 16:26	09/05/24 03:32	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	129	31.0	1	09/04/24 16:26	09/05/24 03:32	78-93-3	
n-Butylbenzene	ND	ug/kg	6.5	4.1	1	09/04/24 16:26	09/05/24 03:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.5	2.8	1	09/04/24 16:26	09/05/24 03:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.5	2.3	1	09/04/24 16:26	09/05/24 03:32	98-06-6	v1
Carbon disulfide	ND	ug/kg	12.9	8.1	1	09/04/24 16:26	09/05/24 03:32	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.5	2.4	1	09/04/24 16:26	09/05/24 03:32	56-23-5	
Chlorobenzene	ND	ug/kg	6.5	3.7	1	09/04/24 16:26	09/05/24 03:32	108-90-7	
Chloroethane	ND	ug/kg	12.9	5.0	1	09/04/24 16:26	09/05/24 03:32	75-00-3	v1
Chloroform	ND	ug/kg	6.5	5.4	1	09/04/24 16:26	09/05/24 03:32	67-66-3	
Chloromethane	ND	ug/kg	12.9	5.4	1	09/04/24 16:26	09/05/24 03:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.5	2.3	1	09/04/24 16:26	09/05/24 03:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.5	3.6	1	09/04/24 16:26	09/05/24 03:32	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	2.5	1	09/04/24 16:26	09/05/24 03:32	96-12-8	
Dibromochloromethane	ND	ug/kg	6.5	3.6	1	09/04/24 16:26	09/05/24 03:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	2.8	1	09/04/24 16:26	09/05/24 03:32	106-93-4	
Dibromomethane	ND	ug/kg	6.5	1.4	1	09/04/24 16:26	09/05/24 03:32	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	6.5	2.3	1	09/04/24 16:26	09/05/24 03:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.5	2.0	1	09/04/24 16:26	09/05/24 03:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.7	1	09/04/24 16:26	09/05/24 03:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.9	6.6	1	09/04/24 16:26	09/05/24 03:32	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	6.5	2.7	1	09/04/24 16:26	09/05/24 03:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.5	4.3	1	09/04/24 16:26	09/05/24 03:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.5	2.7	1	09/04/24 16:26	09/05/24 03:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.5	2.2	1	09/04/24 16:26	09/05/24 03:32	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	6.5	5.5	1	09/04/24 16:26	09/05/24 03:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.5	1.9	1	09/04/24 16:26	09/05/24 03:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.5	2.0	1	09/04/24 16:26	09/05/24 03:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.5	4.9	1	09/04/24 16:26	09/05/24 03:32	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	6.5	3.1	1	09/04/24 16:26	09/05/24 03:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.8	1	09/04/24 16:26	09/05/24 03:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.5	2.2	1	09/04/24 16:26	09/05/24 03:32	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.5	1.7	1	09/04/24 16:26	09/05/24 03:32	108-20-3	v1
Ethylbenzene	ND	ug/kg	6.5	3.0	1	09/04/24 16:26	09/05/24 03:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.9	3.8	1	09/04/24 16:26	09/05/24 03:32	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.9	10.6	1	09/04/24 16:26	09/05/24 03:32	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-15 (0-2) Lab ID: 92749616028 Collected: 08/22/24 12:15 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.5	2.1	1	09/04/24 16:26	09/05/24 03:32	110-54-3	
2-Hexanone	ND	ug/kg	64.7	6.2	1	09/04/24 16:26	09/05/24 03:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	2.2	1	09/04/24 16:26	09/05/24 03:32	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.5	3.2	1	09/04/24 16:26	09/05/24 03:32	99-87-6	
Methylene Chloride	ND	ug/kg	25.9	17.7	1	09/04/24 16:26	09/05/24 03:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.7	6.2	1	09/04/24 16:26	09/05/24 03:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.5	2.4	1	09/04/24 16:26	09/05/24 03:32	1634-04-4	
Naphthalene	ND	ug/kg	6.5	3.4	1	09/04/24 16:26	09/05/24 03:32	91-20-3	
n-Propylbenzene	ND	ug/kg	6.5	2.3	1	09/04/24 16:26	09/05/24 03:32	103-65-1	
Styrene	ND	ug/kg	6.5	1.7	1	09/04/24 16:26	09/05/24 03:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	2.5	1	09/04/24 16:26	09/05/24 03:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.7	1	09/04/24 16:26	09/05/24 03:32	79-34-5	
Tetrachloroethene	ND	ug/kg	6.5	2.0	1	09/04/24 16:26	09/05/24 03:32	127-18-4	
Toluene	ND	ug/kg	6.5	4.5	1	09/04/24 16:26	09/05/24 03:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	5.2	1	09/04/24 16:26	09/05/24 03:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	5.4	1	09/04/24 16:26	09/05/24 03:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.5	3.4	1	09/04/24 16:26	09/05/24 03:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.5	2.1	1	09/04/24 16:26	09/05/24 03:32	79-00-5	
Trichloroethene	ND	ug/kg	6.5	5.2	1	09/04/24 16:26	09/05/24 03:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.5	3.6	1	09/04/24 16:26	09/05/24 03:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.5	3.3	1	09/04/24 16:26	09/05/24 03:32	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	2.2	1	09/04/24 16:26	09/05/24 03:32	108-67-8	
Vinyl acetate	ND	ug/kg	64.7	13.3	1	09/04/24 16:26	09/05/24 03:32	108-05-4	
Vinyl chloride	ND	ug/kg	12.9	3.3	1	09/04/24 16:26	09/05/24 03:32	75-01-4	
Xylene (Total)	ND	ug/kg	12.9	3.7	1	09/04/24 16:26	09/05/24 03:32	1330-20-7	
m&p-Xylene	ND	ug/kg	12.9	4.4	1	09/04/24 16:26	09/05/24 03:32	179601-23-1	
o-Xylene	ND	ug/kg	6.5	2.9	1	09/04/24 16:26	09/05/24 03:32	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:26	09/05/24 03:32	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 16:26	09/05/24 03:32	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1	09/04/24 16:26	09/05/24 03:32	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	15.3	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-15 (2-5) Lab ID: 92749616029 Collected: 08/22/24 12:17 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	129	41.3	1	09/04/24 16:26	09/05/24 03:51	67-64-1	v1
Acrolein	ND	ug/kg	129	39.2	1	09/04/24 16:26	09/05/24 03:51	107-02-8	
Acrylonitrile	ND	ug/kg	129	22.4	1	09/04/24 16:26	09/05/24 03:51	107-13-1	
Benzene	ND	ug/kg	6.4	2.6	1	09/04/24 16:26	09/05/24 03:51	71-43-2	
Bromobenzene	ND	ug/kg	6.4	2.1	1	09/04/24 16:26	09/05/24 03:51	108-86-1	v1
Bromochloromethane	ND	ug/kg	6.4	1.9	1	09/04/24 16:26	09/05/24 03:51	74-97-5	
Bromodichloromethane	ND	ug/kg	6.4	2.5	1	09/04/24 16:26	09/05/24 03:51	75-27-4	
Bromoform	ND	ug/kg	6.4	2.3	1	09/04/24 16:26	09/05/24 03:51	75-25-2	
Bromomethane	ND	ug/kg	25.7	19.9	1	09/04/24 16:26	09/05/24 03:51	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	129	30.9	1	09/04/24 16:26	09/05/24 03:51	78-93-3	
n-Butylbenzene	ND	ug/kg	6.4	4.0	1	09/04/24 16:26	09/05/24 03:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.4	2.8	1	09/04/24 16:26	09/05/24 03:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.4	2.3	1	09/04/24 16:26	09/05/24 03:51	98-06-6	v1
Carbon disulfide	ND	ug/kg	12.9	8.1	1	09/04/24 16:26	09/05/24 03:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.4	2.4	1	09/04/24 16:26	09/05/24 03:51	56-23-5	
Chlorobenzene	ND	ug/kg	6.4	3.7	1	09/04/24 16:26	09/05/24 03:51	108-90-7	
Chloroethane	ND	ug/kg	12.9	5.0	1	09/04/24 16:26	09/05/24 03:51	75-00-3	v1
Chloroform	ND	ug/kg	6.4	5.4	1	09/04/24 16:26	09/05/24 03:51	67-66-3	
Chloromethane	ND	ug/kg	12.9	5.4	1	09/04/24 16:26	09/05/24 03:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.4	2.3	1	09/04/24 16:26	09/05/24 03:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.4	3.6	1	09/04/24 16:26	09/05/24 03:51	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.4	2.5	1	09/04/24 16:26	09/05/24 03:51	96-12-8	
Dibromochloromethane	ND	ug/kg	6.4	3.6	1	09/04/24 16:26	09/05/24 03:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.4	2.8	1	09/04/24 16:26	09/05/24 03:51	106-93-4	
Dibromomethane	ND	ug/kg	6.4	1.4	1	09/04/24 16:26	09/05/24 03:51	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	6.4	2.3	1	09/04/24 16:26	09/05/24 03:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.4	2.0	1	09/04/24 16:26	09/05/24 03:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.4	1.7	1	09/04/24 16:26	09/05/24 03:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.9	6.5	1	09/04/24 16:26	09/05/24 03:51	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	6.4	2.6	1	09/04/24 16:26	09/05/24 03:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.4	4.3	1	09/04/24 16:26	09/05/24 03:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.4	2.6	1	09/04/24 16:26	09/05/24 03:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.4	2.2	1	09/04/24 16:26	09/05/24 03:51	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	6.4	5.5	1	09/04/24 16:26	09/05/24 03:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.4	1.9	1	09/04/24 16:26	09/05/24 03:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.4	2.0	1	09/04/24 16:26	09/05/24 03:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.4	4.9	1	09/04/24 16:26	09/05/24 03:51	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	6.4	3.1	1	09/04/24 16:26	09/05/24 03:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.4	1.7	1	09/04/24 16:26	09/05/24 03:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.4	2.2	1	09/04/24 16:26	09/05/24 03:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.4	1.7	1	09/04/24 16:26	09/05/24 03:51	108-20-3	v1
Ethylbenzene	ND	ug/kg	6.4	3.0	1	09/04/24 16:26	09/05/24 03:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.9	3.8	1	09/04/24 16:26	09/05/24 03:51	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.9	10.5	1	09/04/24 16:26	09/05/24 03:51	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-15 (2-5) Lab ID: 92749616029 Collected: 08/22/24 12:17 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.4	2.1	1	09/04/24 16:26	09/05/24 03:51	110-54-3	
2-Hexanone	ND	ug/kg	64.3	6.2	1	09/04/24 16:26	09/05/24 03:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.4	2.2	1	09/04/24 16:26	09/05/24 03:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.4	3.2	1	09/04/24 16:26	09/05/24 03:51	99-87-6	
Methylene Chloride	ND	ug/kg	25.7	17.6	1	09/04/24 16:26	09/05/24 03:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.3	6.2	1	09/04/24 16:26	09/05/24 03:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.4	2.4	1	09/04/24 16:26	09/05/24 03:51	1634-04-4	
Naphthalene	ND	ug/kg	6.4	3.4	1	09/04/24 16:26	09/05/24 03:51	91-20-3	
n-Propylbenzene	ND	ug/kg	6.4	2.3	1	09/04/24 16:26	09/05/24 03:51	103-65-1	
Styrene	ND	ug/kg	6.4	1.7	1	09/04/24 16:26	09/05/24 03:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.4	2.5	1	09/04/24 16:26	09/05/24 03:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.4	1.7	1	09/04/24 16:26	09/05/24 03:51	79-34-5	
Tetrachloroethene	ND	ug/kg	6.4	2.0	1	09/04/24 16:26	09/05/24 03:51	127-18-4	
Toluene	ND	ug/kg	6.4	4.4	1	09/04/24 16:26	09/05/24 03:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.4	5.2	1	09/04/24 16:26	09/05/24 03:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.4	5.4	1	09/04/24 16:26	09/05/24 03:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.4	3.3	1	09/04/24 16:26	09/05/24 03:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.4	2.1	1	09/04/24 16:26	09/05/24 03:51	79-00-5	
Trichloroethene	ND	ug/kg	6.4	5.2	1	09/04/24 16:26	09/05/24 03:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.4	3.5	1	09/04/24 16:26	09/05/24 03:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.4	3.3	1	09/04/24 16:26	09/05/24 03:51	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.4	2.2	1	09/04/24 16:26	09/05/24 03:51	108-67-8	
Vinyl acetate	ND	ug/kg	64.3	13.2	1	09/04/24 16:26	09/05/24 03:51	108-05-4	
Vinyl chloride	ND	ug/kg	12.9	3.3	1	09/04/24 16:26	09/05/24 03:51	75-01-4	
Xylene (Total)	ND	ug/kg	12.9	3.7	1	09/04/24 16:26	09/05/24 03:51	1330-20-7	
m&p-Xylene	ND	ug/kg	12.9	4.4	1	09/04/24 16:26	09/05/24 03:51	179601-23-1	
o-Xylene	ND	ug/kg	6.4	2.8	1	09/04/24 16:26	09/05/24 03:51	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:26	09/05/24 03:51	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 03:51	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:26	09/05/24 03:51	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	17.0	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-16 (0-2) Lab ID: 92749616030 Collected: 08/22/24 12:30 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	138	44.2	1	09/04/24 16:26	09/05/24 04:10	67-64-1	v1
Acrolein	ND	ug/kg	138	41.9	1	09/04/24 16:26	09/05/24 04:10	107-02-8	
Acrylonitrile	ND	ug/kg	138	23.9	1	09/04/24 16:26	09/05/24 04:10	107-13-1	
Benzene	ND	ug/kg	6.9	2.7	1	09/04/24 16:26	09/05/24 04:10	71-43-2	
Bromobenzene	ND	ug/kg	6.9	2.2	1	09/04/24 16:26	09/05/24 04:10	108-86-1	v1
Bromochloromethane	ND	ug/kg	6.9	2.0	1	09/04/24 16:26	09/05/24 04:10	74-97-5	
Bromodichloromethane	ND	ug/kg	6.9	2.7	1	09/04/24 16:26	09/05/24 04:10	75-27-4	
Bromoform	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 04:10	75-25-2	
Bromomethane	ND	ug/kg	27.5	21.3	1	09/04/24 16:26	09/05/24 04:10	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	138	33.0	1	09/04/24 16:26	09/05/24 04:10	78-93-3	
n-Butylbenzene	ND	ug/kg	6.9	4.3	1	09/04/24 16:26	09/05/24 04:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.9	3.0	1	09/04/24 16:26	09/05/24 04:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 04:10	98-06-6	v1
Carbon disulfide	ND	ug/kg	13.8	8.6	1	09/04/24 16:26	09/05/24 04:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.9	2.6	1	09/04/24 16:26	09/05/24 04:10	56-23-5	
Chlorobenzene	ND	ug/kg	6.9	3.9	1	09/04/24 16:26	09/05/24 04:10	108-90-7	
Chloroethane	ND	ug/kg	13.8	5.3	1	09/04/24 16:26	09/05/24 04:10	75-00-3	v1
Chloroform	ND	ug/kg	6.9	5.8	1	09/04/24 16:26	09/05/24 04:10	67-66-3	
Chloromethane	ND	ug/kg	13.8	5.8	1	09/04/24 16:26	09/05/24 04:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 04:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.9	3.8	1	09/04/24 16:26	09/05/24 04:10	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	2.7	1	09/04/24 16:26	09/05/24 04:10	96-12-8	
Dibromochloromethane	ND	ug/kg	6.9	3.9	1	09/04/24 16:26	09/05/24 04:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	3.0	1	09/04/24 16:26	09/05/24 04:10	106-93-4	
Dibromomethane	ND	ug/kg	6.9	1.5	1	09/04/24 16:26	09/05/24 04:10	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	6.9	2.5	1	09/04/24 16:26	09/05/24 04:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.9	2.1	1	09/04/24 16:26	09/05/24 04:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.9	1.8	1	09/04/24 16:26	09/05/24 04:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.8	7.0	1	09/04/24 16:26	09/05/24 04:10	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	6.9	2.8	1	09/04/24 16:26	09/05/24 04:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.9	4.6	1	09/04/24 16:26	09/05/24 04:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.9	2.8	1	09/04/24 16:26	09/05/24 04:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 04:10	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	6.9	5.8	1	09/04/24 16:26	09/05/24 04:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.9	2.1	1	09/04/24 16:26	09/05/24 04:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.9	2.1	1	09/04/24 16:26	09/05/24 04:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.9	5.2	1	09/04/24 16:26	09/05/24 04:10	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	6.9	3.3	1	09/04/24 16:26	09/05/24 04:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1.9	1	09/04/24 16:26	09/05/24 04:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 04:10	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.9	1.9	1	09/04/24 16:26	09/05/24 04:10	108-20-3	v1
Ethylbenzene	ND	ug/kg	6.9	3.2	1	09/04/24 16:26	09/05/24 04:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	13.8	4.1	1	09/04/24 16:26	09/05/24 04:10	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	13.8	11.3	1	09/04/24 16:26	09/05/24 04:10	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-16 (0-2) Lab ID: 92749616030 Collected: 08/22/24 12:30 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 04:10	110-54-3	
2-Hexanone	ND	ug/kg	68.8	6.6	1	09/04/24 16:26	09/05/24 04:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 04:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.9	3.4	1	09/04/24 16:26	09/05/24 04:10	99-87-6	
Methylene Chloride	ND	ug/kg	27.5	18.8	1	09/04/24 16:26	09/05/24 04:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	68.8	6.6	1	09/04/24 16:26	09/05/24 04:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.9	2.6	1	09/04/24 16:26	09/05/24 04:10	1634-04-4	
Naphthalene	ND	ug/kg	6.9	3.6	1	09/04/24 16:26	09/05/24 04:10	91-20-3	
n-Propylbenzene	ND	ug/kg	6.9	2.4	1	09/04/24 16:26	09/05/24 04:10	103-65-1	
Styrene	ND	ug/kg	6.9	1.8	1	09/04/24 16:26	09/05/24 04:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	2.6	1	09/04/24 16:26	09/05/24 04:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1.8	1	09/04/24 16:26	09/05/24 04:10	79-34-5	
Tetrachloroethene	ND	ug/kg	6.9	2.2	1	09/04/24 16:26	09/05/24 04:10	127-18-4	
Toluene	ND	ug/kg	6.9	4.7	1	09/04/24 16:26	09/05/24 04:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	5.6	1	09/04/24 16:26	09/05/24 04:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	5.8	1	09/04/24 16:26	09/05/24 04:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.9	3.6	1	09/04/24 16:26	09/05/24 04:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 04:10	79-00-5	
Trichloroethene	ND	ug/kg	6.9	5.5	1	09/04/24 16:26	09/05/24 04:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.9	3.8	1	09/04/24 16:26	09/05/24 04:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.9	3.5	1	09/04/24 16:26	09/05/24 04:10	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	2.3	1	09/04/24 16:26	09/05/24 04:10	108-67-8	
Vinyl acetate	ND	ug/kg	68.8	14.2	1	09/04/24 16:26	09/05/24 04:10	108-05-4	
Vinyl chloride	ND	ug/kg	13.8	3.5	1	09/04/24 16:26	09/05/24 04:10	75-01-4	
Xylene (Total)	ND	ug/kg	13.8	3.9	1	09/04/24 16:26	09/05/24 04:10	1330-20-7	
m&p-Xylene	ND	ug/kg	13.8	4.7	1	09/04/24 16:26	09/05/24 04:10	179601-23-1	
o-Xylene	ND	ug/kg	6.9	3.0	1	09/04/24 16:26	09/05/24 04:10	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 04:10	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 16:26	09/05/24 04:10	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1	09/04/24 16:26	09/05/24 04:10	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	13.7	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-16 (2-5) Lab ID: 92749616031 Collected: 08/22/24 12:32 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	156	50.1	1	09/04/24 16:26	09/05/24 04:29	67-64-1	v1
Acrolein	ND	ug/kg	156	47.5	1	09/04/24 16:26	09/05/24 04:29	107-02-8	
Acrylonitrile	ND	ug/kg	156	27.2	1	09/04/24 16:26	09/05/24 04:29	107-13-1	
Benzene	ND	ug/kg	7.8	3.1	1	09/04/24 16:26	09/05/24 04:29	71-43-2	
Bromobenzene	ND	ug/kg	7.8	2.5	1	09/04/24 16:26	09/05/24 04:29	108-86-1	v1
Bromochloromethane	ND	ug/kg	7.8	2.3	1	09/04/24 16:26	09/05/24 04:29	74-97-5	
Bromodichloromethane	ND	ug/kg	7.8	3.0	1	09/04/24 16:26	09/05/24 04:29	75-27-4	
Bromoform	ND	ug/kg	7.8	2.7	1	09/04/24 16:26	09/05/24 04:29	75-25-2	
Bromomethane	ND	ug/kg	31.2	24.2	1	09/04/24 16:26	09/05/24 04:29	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	156	37.4	1	09/04/24 16:26	09/05/24 04:29	78-93-3	
n-Butylbenzene	ND	ug/kg	7.8	4.9	1	09/04/24 16:26	09/05/24 04:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.8	3.4	1	09/04/24 16:26	09/05/24 04:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.8	2.8	1	09/04/24 16:26	09/05/24 04:29	98-06-6	v1
Carbon disulfide	ND	ug/kg	15.6	9.8	1	09/04/24 16:26	09/05/24 04:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.8	2.9	1	09/04/24 16:26	09/05/24 04:29	56-23-5	
Chlorobenzene	ND	ug/kg	7.8	4.5	1	09/04/24 16:26	09/05/24 04:29	108-90-7	
Chloroethane	ND	ug/kg	15.6	6.0	1	09/04/24 16:26	09/05/24 04:29	75-00-3	v1
Chloroform	ND	ug/kg	7.8	6.5	1	09/04/24 16:26	09/05/24 04:29	67-66-3	
Chloromethane	ND	ug/kg	15.6	6.6	1	09/04/24 16:26	09/05/24 04:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.8	2.8	1	09/04/24 16:26	09/05/24 04:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.8	4.3	1	09/04/24 16:26	09/05/24 04:29	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.8	3.0	1	09/04/24 16:26	09/05/24 04:29	96-12-8	
Dibromochloromethane	ND	ug/kg	7.8	4.4	1	09/04/24 16:26	09/05/24 04:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.8	3.4	1	09/04/24 16:26	09/05/24 04:29	106-93-4	
Dibromomethane	ND	ug/kg	7.8	1.7	1	09/04/24 16:26	09/05/24 04:29	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.8	2.8	1	09/04/24 16:26	09/05/24 04:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.8	2.4	1	09/04/24 16:26	09/05/24 04:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.8	2.0	1	09/04/24 16:26	09/05/24 04:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.6	7.9	1	09/04/24 16:26	09/05/24 04:29	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	7.8	3.2	1	09/04/24 16:26	09/05/24 04:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.8	5.2	1	09/04/24 16:26	09/05/24 04:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.8	3.2	1	09/04/24 16:26	09/05/24 04:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.8	2.7	1	09/04/24 16:26	09/05/24 04:29	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	7.8	6.6	1	09/04/24 16:26	09/05/24 04:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.8	2.3	1	09/04/24 16:26	09/05/24 04:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.8	2.4	1	09/04/24 16:26	09/05/24 04:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.8	5.9	1	09/04/24 16:26	09/05/24 04:29	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	7.8	3.7	1	09/04/24 16:26	09/05/24 04:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.8	2.1	1	09/04/24 16:26	09/05/24 04:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.8	2.7	1	09/04/24 16:26	09/05/24 04:29	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.8	2.1	1	09/04/24 16:26	09/05/24 04:29	108-20-3	v1
Ethylbenzene	ND	ug/kg	7.8	3.6	1	09/04/24 16:26	09/05/24 04:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	15.6	4.6	1	09/04/24 16:26	09/05/24 04:29	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	15.6	12.8	1	09/04/24 16:26	09/05/24 04:29	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-16 (2-5) Lab ID: 92749616031 Collected: 08/22/24 12:32 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.8	2.6	1	09/04/24 16:26	09/05/24 04:29	110-54-3	
2-Hexanone	ND	ug/kg	78.0	7.5	1	09/04/24 16:26	09/05/24 04:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.8	2.7	1	09/04/24 16:26	09/05/24 04:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.8	3.8	1	09/04/24 16:26	09/05/24 04:29	99-87-6	
Methylene Chloride	ND	ug/kg	31.2	21.4	1	09/04/24 16:26	09/05/24 04:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	78.0	7.5	1	09/04/24 16:26	09/05/24 04:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.8	2.9	1	09/04/24 16:26	09/05/24 04:29	1634-04-4	
Naphthalene	ND	ug/kg	7.8	4.1	1	09/04/24 16:26	09/05/24 04:29	91-20-3	
n-Propylbenzene	ND	ug/kg	7.8	2.8	1	09/04/24 16:26	09/05/24 04:29	103-65-1	
Styrene	ND	ug/kg	7.8	2.1	1	09/04/24 16:26	09/05/24 04:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.8	3.0	1	09/04/24 16:26	09/05/24 04:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.8	2.1	1	09/04/24 16:26	09/05/24 04:29	79-34-5	
Tetrachloroethene	ND	ug/kg	7.8	2.5	1	09/04/24 16:26	09/05/24 04:29	127-18-4	
Toluene	ND	ug/kg	7.8	5.4	1	09/04/24 16:26	09/05/24 04:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.8	6.3	1	09/04/24 16:26	09/05/24 04:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.8	6.6	1	09/04/24 16:26	09/05/24 04:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.8	4.1	1	09/04/24 16:26	09/05/24 04:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.8	2.6	1	09/04/24 16:26	09/05/24 04:29	79-00-5	
Trichloroethene	ND	ug/kg	7.8	6.3	1	09/04/24 16:26	09/05/24 04:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.8	4.3	1	09/04/24 16:26	09/05/24 04:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.8	3.9	1	09/04/24 16:26	09/05/24 04:29	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.8	2.6	1	09/04/24 16:26	09/05/24 04:29	108-67-8	
Vinyl acetate	ND	ug/kg	78.0	16.1	1	09/04/24 16:26	09/05/24 04:29	108-05-4	
Vinyl chloride	ND	ug/kg	15.6	4.0	1	09/04/24 16:26	09/05/24 04:29	75-01-4	
Xylene (Total)	ND	ug/kg	15.6	4.4	1	09/04/24 16:26	09/05/24 04:29	1330-20-7	
m&p-Xylene	ND	ug/kg	15.6	5.3	1	09/04/24 16:26	09/05/24 04:29	179601-23-1	
o-Xylene	ND	ug/kg	7.8	3.4	1	09/04/24 16:26	09/05/24 04:29	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1	09/04/24 16:26	09/05/24 04:29	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 04:29	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1	09/04/24 16:26	09/05/24 04:29	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	19.0	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-17 (0-2) Lab ID: 92749616032 Collected: 08/22/24 12:49 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	179	57.3	1	09/04/24 16:26	09/05/24 04:47	67-64-1	v1
Acrolein	ND	ug/kg	179	54.4	1	09/04/24 16:26	09/05/24 04:47	107-02-8	
Acrylonitrile	ND	ug/kg	179	31.1	1	09/04/24 16:26	09/05/24 04:47	107-13-1	
Benzene	ND	ug/kg	8.9	3.6	1	09/04/24 16:26	09/05/24 04:47	71-43-2	
Bromobenzene	ND	ug/kg	8.9	2.9	1	09/04/24 16:26	09/05/24 04:47	108-86-1	v1
Bromochloromethane	ND	ug/kg	8.9	2.6	1	09/04/24 16:26	09/05/24 04:47	74-97-5	
Bromodichloromethane	ND	ug/kg	8.9	3.4	1	09/04/24 16:26	09/05/24 04:47	75-27-4	
Bromoform	ND	ug/kg	8.9	3.1	1	09/04/24 16:26	09/05/24 04:47	75-25-2	
Bromomethane	ND	ug/kg	35.7	27.7	1	09/04/24 16:26	09/05/24 04:47	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	179	42.9	1	09/04/24 16:26	09/05/24 04:47	78-93-3	
n-Butylbenzene	ND	ug/kg	8.9	5.6	1	09/04/24 16:26	09/05/24 04:47	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.9	3.9	1	09/04/24 16:26	09/05/24 04:47	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.9	3.2	1	09/04/24 16:26	09/05/24 04:47	98-06-6	v1
Carbon disulfide	ND	ug/kg	17.9	11.2	1	09/04/24 16:26	09/05/24 04:47	75-15-0	
Carbon tetrachloride	ND	ug/kg	8.9	3.3	1	09/04/24 16:26	09/05/24 04:47	56-23-5	
Chlorobenzene	ND	ug/kg	8.9	5.1	1	09/04/24 16:26	09/05/24 04:47	108-90-7	
Chloroethane	ND	ug/kg	17.9	6.9	1	09/04/24 16:26	09/05/24 04:47	75-00-3	v1
Chloroform	ND	ug/kg	8.9	7.5	1	09/04/24 16:26	09/05/24 04:47	67-66-3	
Chloromethane	ND	ug/kg	17.9	7.5	1	09/04/24 16:26	09/05/24 04:47	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.9	3.2	1	09/04/24 16:26	09/05/24 04:47	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.9	5.0	1	09/04/24 16:26	09/05/24 04:47	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.9	3.5	1	09/04/24 16:26	09/05/24 04:47	96-12-8	
Dibromochloromethane	ND	ug/kg	8.9	5.0	1	09/04/24 16:26	09/05/24 04:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.9	3.9	1	09/04/24 16:26	09/05/24 04:47	106-93-4	
Dibromomethane	ND	ug/kg	8.9	1.9	1	09/04/24 16:26	09/05/24 04:47	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	8.9	3.2	1	09/04/24 16:26	09/05/24 04:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.9	2.8	1	09/04/24 16:26	09/05/24 04:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.9	2.3	1	09/04/24 16:26	09/05/24 04:47	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	17.9	9.1	1	09/04/24 16:26	09/05/24 04:47	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	8.9	3.7	1	09/04/24 16:26	09/05/24 04:47	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.9	5.9	1	09/04/24 16:26	09/05/24 04:47	107-06-2	
1,1-Dichloroethene	ND	ug/kg	8.9	3.7	1	09/04/24 16:26	09/05/24 04:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	8.9	3.1	1	09/04/24 16:26	09/05/24 04:47	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	8.9	7.6	1	09/04/24 16:26	09/05/24 04:47	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.9	2.7	1	09/04/24 16:26	09/05/24 04:47	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.9	2.8	1	09/04/24 16:26	09/05/24 04:47	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.9	6.8	1	09/04/24 16:26	09/05/24 04:47	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	8.9	4.3	1	09/04/24 16:26	09/05/24 04:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.9	2.4	1	09/04/24 16:26	09/05/24 04:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.9	3.1	1	09/04/24 16:26	09/05/24 04:47	10061-02-6	
Diisopropyl ether	ND	ug/kg	8.9	2.4	1	09/04/24 16:26	09/05/24 04:47	108-20-3	v1
Ethylbenzene	ND	ug/kg	8.9	4.2	1	09/04/24 16:26	09/05/24 04:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	17.9	5.3	1	09/04/24 16:26	09/05/24 04:47	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	17.9	14.6	1	09/04/24 16:26	09/05/24 04:47	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-17 (0-2) Lab ID: 92749616032 Collected: 08/22/24 12:49 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	8.9	2.9	1	09/04/24 16:26	09/05/24 04:47	110-54-3	
2-Hexanone	ND	ug/kg	89.3	8.6	1	09/04/24 16:26	09/05/24 04:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.9	3.0	1	09/04/24 16:26	09/05/24 04:47	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.9	4.4	1	09/04/24 16:26	09/05/24 04:47	99-87-6	
Methylene Chloride	ND	ug/kg	35.7	24.5	1	09/04/24 16:26	09/05/24 04:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	89.3	8.6	1	09/04/24 16:26	09/05/24 04:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.9	3.3	1	09/04/24 16:26	09/05/24 04:47	1634-04-4	
Naphthalene	ND	ug/kg	8.9	4.7	1	09/04/24 16:26	09/05/24 04:47	91-20-3	
n-Propylbenzene	ND	ug/kg	8.9	3.2	1	09/04/24 16:26	09/05/24 04:47	103-65-1	
Styrene	ND	ug/kg	8.9	2.4	1	09/04/24 16:26	09/05/24 04:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.9	3.4	1	09/04/24 16:26	09/05/24 04:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.9	2.4	1	09/04/24 16:26	09/05/24 04:47	79-34-5	
Tetrachloroethene	ND	ug/kg	8.9	2.8	1	09/04/24 16:26	09/05/24 04:47	127-18-4	
Toluene	ND	ug/kg	8.9	6.2	1	09/04/24 16:26	09/05/24 04:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.9	7.2	1	09/04/24 16:26	09/05/24 04:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.9	7.5	1	09/04/24 16:26	09/05/24 04:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.9	4.6	1	09/04/24 16:26	09/05/24 04:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.9	3.0	1	09/04/24 16:26	09/05/24 04:47	79-00-5	
Trichloroethene	ND	ug/kg	8.9	7.2	1	09/04/24 16:26	09/05/24 04:47	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.9	4.9	1	09/04/24 16:26	09/05/24 04:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.9	4.5	1	09/04/24 16:26	09/05/24 04:47	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	8.9	3.0	1	09/04/24 16:26	09/05/24 04:47	108-67-8	
Vinyl acetate	ND	ug/kg	89.3	18.4	1	09/04/24 16:26	09/05/24 04:47	108-05-4	
Vinyl chloride	ND	ug/kg	17.9	4.5	1	09/04/24 16:26	09/05/24 04:47	75-01-4	
Xylene (Total)	ND	ug/kg	17.9	5.1	1	09/04/24 16:26	09/05/24 04:47	1330-20-7	
m&p-Xylene	ND	ug/kg	17.9	6.1	1	09/04/24 16:26	09/05/24 04:47	179601-23-1	
o-Xylene	ND	ug/kg	8.9	3.9	1	09/04/24 16:26	09/05/24 04:47	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 04:47	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 16:26	09/05/24 04:47	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:26	09/05/24 04:47	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	31.2	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-17 (2-5) Lab ID: 92749616033 Collected: 08/22/24 12:52 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	189	60.6	1	09/04/24 16:26	09/05/24 05:06	67-64-1	v1
Acrolein	ND	ug/kg	189	57.5	1	09/04/24 16:26	09/05/24 05:06	107-02-8	
Acrylonitrile	ND	ug/kg	189	32.9	1	09/04/24 16:26	09/05/24 05:06	107-13-1	
Benzene	ND	ug/kg	9.4	3.8	1	09/04/24 16:26	09/05/24 05:06	71-43-2	
Bromobenzene	ND	ug/kg	9.4	3.1	1	09/04/24 16:26	09/05/24 05:06	108-86-1	v1
Bromochloromethane	ND	ug/kg	9.4	2.8	1	09/04/24 16:26	09/05/24 05:06	74-97-5	
Bromodichloromethane	ND	ug/kg	9.4	3.6	1	09/04/24 16:26	09/05/24 05:06	75-27-4	
Bromoform	ND	ug/kg	9.4	3.3	1	09/04/24 16:26	09/05/24 05:06	75-25-2	
Bromomethane	ND	ug/kg	37.8	29.3	1	09/04/24 16:26	09/05/24 05:06	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	189	45.3	1	09/04/24 16:26	09/05/24 05:06	78-93-3	
n-Butylbenzene	ND	ug/kg	9.4	5.9	1	09/04/24 16:26	09/05/24 05:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	9.4	4.2	1	09/04/24 16:26	09/05/24 05:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	9.4	3.4	1	09/04/24 16:26	09/05/24 05:06	98-06-6	v1
Carbon disulfide	ND	ug/kg	18.9	11.9	1	09/04/24 16:26	09/05/24 05:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	9.4	3.5	1	09/04/24 16:26	09/05/24 05:06	56-23-5	
Chlorobenzene	ND	ug/kg	9.4	5.4	1	09/04/24 16:26	09/05/24 05:06	108-90-7	
Chloroethane	ND	ug/kg	18.9	7.3	1	09/04/24 16:26	09/05/24 05:06	75-00-3	IH,v1
Chloroform	ND	ug/kg	9.4	7.9	1	09/04/24 16:26	09/05/24 05:06	67-66-3	
Chloromethane	ND	ug/kg	18.9	7.9	1	09/04/24 16:26	09/05/24 05:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	9.4	3.3	1	09/04/24 16:26	09/05/24 05:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	9.4	5.3	1	09/04/24 16:26	09/05/24 05:06	106-43-4	IH,v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.4	3.7	1	09/04/24 16:26	09/05/24 05:06	96-12-8	
Dibromochloromethane	ND	ug/kg	9.4	5.3	1	09/04/24 16:26	09/05/24 05:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	9.4	4.2	1	09/04/24 16:26	09/05/24 05:06	106-93-4	
Dibromomethane	ND	ug/kg	9.4	2.0	1	09/04/24 16:26	09/05/24 05:06	74-95-3	IH,v1
1,2-Dichlorobenzene	ND	ug/kg	9.4	3.4	1	09/04/24 16:26	09/05/24 05:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	9.4	2.9	1	09/04/24 16:26	09/05/24 05:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	9.4	2.5	1	09/04/24 16:26	09/05/24 05:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	18.9	9.6	1	09/04/24 16:26	09/05/24 05:06	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	9.4	3.9	1	09/04/24 16:26	09/05/24 05:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	9.4	6.3	1	09/04/24 16:26	09/05/24 05:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	9.4	3.9	1	09/04/24 16:26	09/05/24 05:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	9.4	3.2	1	09/04/24 16:26	09/05/24 05:06	156-59-2	IH,v1
trans-1,2-Dichloroethene	ND	ug/kg	9.4	8.0	1	09/04/24 16:26	09/05/24 05:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	9.4	2.8	1	09/04/24 16:26	09/05/24 05:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	9.4	2.9	1	09/04/24 16:26	09/05/24 05:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	9.4	7.2	1	09/04/24 16:26	09/05/24 05:06	594-20-7	IH,v1
1,1-Dichloropropene	ND	ug/kg	9.4	4.5	1	09/04/24 16:26	09/05/24 05:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	9.4	2.6	1	09/04/24 16:26	09/05/24 05:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	9.4	3.2	1	09/04/24 16:26	09/05/24 05:06	10061-02-6	
Diisopropyl ether	ND	ug/kg	9.4	2.5	1	09/04/24 16:26	09/05/24 05:06	108-20-3	IH,v1
Ethylbenzene	ND	ug/kg	9.4	4.4	1	09/04/24 16:26	09/05/24 05:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	18.9	5.6	1	09/04/24 16:26	09/05/24 05:06	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	18.9	15.4	1	09/04/24 16:26	09/05/24 05:06	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-17 (2-5) Lab ID: 92749616033 Collected: 08/22/24 12:52 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	9.4	3.1	1	09/04/24 16:26	09/05/24 05:06	110-54-3	
2-Hexanone	ND	ug/kg	94.4	9.1	1	09/04/24 16:26	09/05/24 05:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	9.4	3.2	1	09/04/24 16:26	09/05/24 05:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	9.4	4.6	1	09/04/24 16:26	09/05/24 05:06	99-87-6	
Methylene Chloride	ND	ug/kg	37.8	25.9	1	09/04/24 16:26	09/05/24 05:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	94.4	9.1	1	09/04/24 16:26	09/05/24 05:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	9.4	3.5	1	09/04/24 16:26	09/05/24 05:06	1634-04-4	
Naphthalene	ND	ug/kg	9.4	5.0	1	09/04/24 16:26	09/05/24 05:06	91-20-3	
n-Propylbenzene	ND	ug/kg	9.4	3.4	1	09/04/24 16:26	09/05/24 05:06	103-65-1	
Styrene	ND	ug/kg	9.4	2.5	1	09/04/24 16:26	09/05/24 05:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	9.4	3.6	1	09/04/24 16:26	09/05/24 05:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	9.4	2.5	1	09/04/24 16:26	09/05/24 05:06	79-34-5	
Tetrachloroethene	ND	ug/kg	9.4	3.0	1	09/04/24 16:26	09/05/24 05:06	127-18-4	
Toluene	ND	ug/kg	9.4	6.5	1	09/04/24 16:26	09/05/24 05:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	9.4	7.6	1	09/04/24 16:26	09/05/24 05:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	9.4	7.9	1	09/04/24 16:26	09/05/24 05:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	9.4	4.9	1	09/04/24 16:26	09/05/24 05:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	9.4	3.1	1	09/04/24 16:26	09/05/24 05:06	79-00-5	
Trichloroethene	ND	ug/kg	9.4	7.6	1	09/04/24 16:26	09/05/24 05:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	9.4	5.2	1	09/04/24 16:26	09/05/24 05:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	9.4	4.8	1	09/04/24 16:26	09/05/24 05:06	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	9.4	3.2	1	09/04/24 16:26	09/05/24 05:06	108-67-8	
Vinyl acetate	ND	ug/kg	94.4	19.4	1	09/04/24 16:26	09/05/24 05:06	108-05-4	
Vinyl chloride	ND	ug/kg	18.9	4.8	1	09/04/24 16:26	09/05/24 05:06	75-01-4	
Xylene (Total)	ND	ug/kg	18.9	5.4	1	09/04/24 16:26	09/05/24 05:06	1330-20-7	
m&p-Xylene	ND	ug/kg	18.9	6.5	1	09/04/24 16:26	09/05/24 05:06	179601-23-1	
o-Xylene	ND	ug/kg	9.4	4.2	1	09/04/24 16:26	09/05/24 05:06	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:26	09/05/24 05:06	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 16:26	09/05/24 05:06	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:26	09/05/24 05:06	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	29.1	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-18 (0-2) Lab ID: 92749616034 Collected: 08/22/24 12:55 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	126	40.4	1	09/04/24 16:26	09/05/24 05:25	67-64-1	v1
Acrolein	ND	ug/kg	126	38.3	1	09/04/24 16:26	09/05/24 05:25	107-02-8	
Acrylonitrile	ND	ug/kg	126	21.9	1	09/04/24 16:26	09/05/24 05:25	107-13-1	
Benzene	ND	ug/kg	6.3	2.5	1	09/04/24 16:26	09/05/24 05:25	71-43-2	
Bromobenzene	ND	ug/kg	6.3	2.1	1	09/04/24 16:26	09/05/24 05:25	108-86-1	v1
Bromochloromethane	ND	ug/kg	6.3	1.9	1	09/04/24 16:26	09/05/24 05:25	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	2.4	1	09/04/24 16:26	09/05/24 05:25	75-27-4	
Bromoform	ND	ug/kg	6.3	2.2	1	09/04/24 16:26	09/05/24 05:25	75-25-2	
Bromomethane	ND	ug/kg	25.2	19.5	1	09/04/24 16:26	09/05/24 05:25	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	126	30.2	1	09/04/24 16:26	09/05/24 05:25	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	4.0	1	09/04/24 16:26	09/05/24 05:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	2.8	1	09/04/24 16:26	09/05/24 05:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	2.2	1	09/04/24 16:26	09/05/24 05:25	98-06-6	
Carbon disulfide	ND	ug/kg	12.6	7.9	1	09/04/24 16:26	09/05/24 05:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.3	2.4	1	09/04/24 16:26	09/05/24 05:25	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	3.6	1	09/04/24 16:26	09/05/24 05:25	108-90-7	
Chloroethane	ND	ug/kg	12.6	4.9	1	09/04/24 16:26	09/05/24 05:25	75-00-3	
Chloroform	ND	ug/kg	6.3	5.3	1	09/04/24 16:26	09/05/24 05:25	67-66-3	
Chloromethane	ND	ug/kg	12.6	5.3	1	09/04/24 16:26	09/05/24 05:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	2.2	1	09/04/24 16:26	09/05/24 05:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	3.5	1	09/04/24 16:26	09/05/24 05:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	2.4	1	09/04/24 16:26	09/05/24 05:25	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	3.5	1	09/04/24 16:26	09/05/24 05:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	2.8	1	09/04/24 16:26	09/05/24 05:25	106-93-4	
Dibromomethane	ND	ug/kg	6.3	1.3	1	09/04/24 16:26	09/05/24 05:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	2.3	1	09/04/24 16:26	09/05/24 05:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	2.0	1	09/04/24 16:26	09/05/24 05:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	1.6	1	09/04/24 16:26	09/05/24 05:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.6	6.4	1	09/04/24 16:26	09/05/24 05:25	75-71-8	IH,v1
1,1-Dichloroethane	ND	ug/kg	6.3	2.6	1	09/04/24 16:26	09/05/24 05:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	4.2	1	09/04/24 16:26	09/05/24 05:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	2.6	1	09/04/24 16:26	09/05/24 05:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	2.2	1	09/04/24 16:26	09/05/24 05:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	5.3	1	09/04/24 16:26	09/05/24 05:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	1.9	1	09/04/24 16:26	09/05/24 05:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	2.0	1	09/04/24 16:26	09/05/24 05:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	4.8	1	09/04/24 16:26	09/05/24 05:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.3	3.0	1	09/04/24 16:26	09/05/24 05:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1.7	1	09/04/24 16:26	09/05/24 05:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	2.2	1	09/04/24 16:26	09/05/24 05:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.3	1.7	1	09/04/24 16:26	09/05/24 05:25	108-20-3	
Ethylbenzene	ND	ug/kg	6.3	2.9	1	09/04/24 16:26	09/05/24 05:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	12.6	3.7	1	09/04/24 16:26	09/05/24 05:25	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	12.6	10.3	1	09/04/24 16:26	09/05/24 05:25	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-18 (0-2) Lab ID: 92749616034 Collected: 08/22/24 12:55 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	6.3	2.1	1	09/04/24 16:26	09/05/24 05:25	110-54-3	
2-Hexanone	ND	ug/kg	62.9	6.1	1	09/04/24 16:26	09/05/24 05:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	2.1	1	09/04/24 16:26	09/05/24 05:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	3.1	1	09/04/24 16:26	09/05/24 05:25	99-87-6	
Methylene Chloride	ND	ug/kg	25.2	17.2	1	09/04/24 16:26	09/05/24 05:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.9	6.1	1	09/04/24 16:26	09/05/24 05:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	2.4	1	09/04/24 16:26	09/05/24 05:25	1634-04-4	
Naphthalene	ND	ug/kg	6.3	3.3	1	09/04/24 16:26	09/05/24 05:25	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	2.2	1	09/04/24 16:26	09/05/24 05:25	103-65-1	
Styrene	ND	ug/kg	6.3	1.7	1	09/04/24 16:26	09/05/24 05:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	2.4	1	09/04/24 16:26	09/05/24 05:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	1.7	1	09/04/24 16:26	09/05/24 05:25	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	2.0	1	09/04/24 16:26	09/05/24 05:25	127-18-4	
Toluene	4.4J	ug/kg	6.3	4.3	1	09/04/24 16:26	09/05/24 05:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	5.1	1	09/04/24 16:26	09/05/24 05:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	5.3	1	09/04/24 16:26	09/05/24 05:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	3.3	1	09/04/24 16:26	09/05/24 05:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	2.1	1	09/04/24 16:26	09/05/24 05:25	79-00-5	
Trichloroethene	ND	ug/kg	6.3	5.1	1	09/04/24 16:26	09/05/24 05:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	3.5	1	09/04/24 16:26	09/05/24 05:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	3.2	1	09/04/24 16:26	09/05/24 05:25	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	2.1	1	09/04/24 16:26	09/05/24 05:25	108-67-8	
Vinyl acetate	ND	ug/kg	62.9	12.9	1	09/04/24 16:26	09/05/24 05:25	108-05-4	
Vinyl chloride	ND	ug/kg	12.6	3.2	1	09/04/24 16:26	09/05/24 05:25	75-01-4	
Xylene (Total)	ND	ug/kg	12.6	3.6	1	09/04/24 16:26	09/05/24 05:25	1330-20-7	
m&p-Xylene	ND	ug/kg	12.6	4.3	1	09/04/24 16:26	09/05/24 05:25	179601-23-1	
o-Xylene	ND	ug/kg	6.3	2.8	1	09/04/24 16:26	09/05/24 05:25	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 05:25	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 05:25	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:26	09/05/24 05:25	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	12.3	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-18 (2-5) Lab ID: 92749616035 Collected: 08/22/24 12:57 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	149	47.8	1	09/04/24 16:26	09/05/24 05:43	67-64-1	v1
Acrolein	ND	ug/kg	149	45.4	1	09/04/24 16:26	09/05/24 05:43	107-02-8	
Acrylonitrile	ND	ug/kg	149	25.9	1	09/04/24 16:26	09/05/24 05:43	107-13-1	
Benzene	ND	ug/kg	7.5	3.0	1	09/04/24 16:26	09/05/24 05:43	71-43-2	
Bromobenzene	ND	ug/kg	7.5	2.4	1	09/04/24 16:26	09/05/24 05:43	108-86-1	v1
Bromochloromethane	ND	ug/kg	7.5	2.2	1	09/04/24 16:26	09/05/24 05:43	74-97-5	
Bromodichloromethane	ND	ug/kg	7.5	2.9	1	09/04/24 16:26	09/05/24 05:43	75-27-4	
Bromoform	ND	ug/kg	7.5	2.6	1	09/04/24 16:26	09/05/24 05:43	75-25-2	
Bromomethane	ND	ug/kg	29.8	23.1	1	09/04/24 16:26	09/05/24 05:43	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	149	35.8	1	09/04/24 16:26	09/05/24 05:43	78-93-3	
n-Butylbenzene	ND	ug/kg	7.5	4.7	1	09/04/24 16:26	09/05/24 05:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.5	3.3	1	09/04/24 16:26	09/05/24 05:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.5	2.7	1	09/04/24 16:26	09/05/24 05:43	98-06-6	v1
Carbon disulfide	ND	ug/kg	14.9	9.4	1	09/04/24 16:26	09/05/24 05:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.5	2.8	1	09/04/24 16:26	09/05/24 05:43	56-23-5	
Chlorobenzene	ND	ug/kg	7.5	4.3	1	09/04/24 16:26	09/05/24 05:43	108-90-7	
Chloroethane	ND	ug/kg	14.9	5.8	1	09/04/24 16:26	09/05/24 05:43	75-00-3	v1
Chloroform	ND	ug/kg	7.5	6.2	1	09/04/24 16:26	09/05/24 05:43	67-66-3	
Chloromethane	ND	ug/kg	14.9	6.3	1	09/04/24 16:26	09/05/24 05:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.5	2.6	1	09/04/24 16:26	09/05/24 05:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.5	4.1	1	09/04/24 16:26	09/05/24 05:43	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.5	2.9	1	09/04/24 16:26	09/05/24 05:43	96-12-8	
Dibromochloromethane	ND	ug/kg	7.5	4.2	1	09/04/24 16:26	09/05/24 05:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.5	3.3	1	09/04/24 16:26	09/05/24 05:43	106-93-4	
Dibromomethane	ND	ug/kg	7.5	1.6	1	09/04/24 16:26	09/05/24 05:43	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.5	2.7	1	09/04/24 16:26	09/05/24 05:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.5	2.3	1	09/04/24 16:26	09/05/24 05:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.5	1.9	1	09/04/24 16:26	09/05/24 05:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.9	7.6	1	09/04/24 16:26	09/05/24 05:43	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	7.5	3.1	1	09/04/24 16:26	09/05/24 05:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.5	4.9	1	09/04/24 16:26	09/05/24 05:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.5	3.1	1	09/04/24 16:26	09/05/24 05:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.5	2.5	1	09/04/24 16:26	09/05/24 05:43	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	7.5	6.3	1	09/04/24 16:26	09/05/24 05:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.5	2.2	1	09/04/24 16:26	09/05/24 05:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.5	2.3	1	09/04/24 16:26	09/05/24 05:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.5	5.6	1	09/04/24 16:26	09/05/24 05:43	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	7.5	3.6	1	09/04/24 16:26	09/05/24 05:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.5	2.0	1	09/04/24 16:26	09/05/24 05:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.5	2.6	1	09/04/24 16:26	09/05/24 05:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.5	2.0	1	09/04/24 16:26	09/05/24 05:43	108-20-3	v1
Ethylbenzene	ND	ug/kg	7.5	3.5	1	09/04/24 16:26	09/05/24 05:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.9	4.4	1	09/04/24 16:26	09/05/24 05:43	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	14.9	12.2	1	09/04/24 16:26	09/05/24 05:43	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-18 (2-5) Lab ID: 92749616035 Collected: 08/22/24 12:57 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	7.5	2.5	1	09/04/24 16:26	09/05/24 05:43	110-54-3	
2-Hexanone	ND	ug/kg	74.5	7.2	1	09/04/24 16:26	09/05/24 05:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.5	2.5	1	09/04/24 16:26	09/05/24 05:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.5	3.7	1	09/04/24 16:26	09/05/24 05:43	99-87-6	
Methylene Chloride	ND	ug/kg	29.8	20.4	1	09/04/24 16:26	09/05/24 05:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	74.5	7.2	1	09/04/24 16:26	09/05/24 05:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.5	2.8	1	09/04/24 16:26	09/05/24 05:43	1634-04-4	
Naphthalene	ND	ug/kg	7.5	3.9	1	09/04/24 16:26	09/05/24 05:43	91-20-3	
n-Propylbenzene	ND	ug/kg	7.5	2.7	1	09/04/24 16:26	09/05/24 05:43	103-65-1	
Styrene	ND	ug/kg	7.5	2.0	1	09/04/24 16:26	09/05/24 05:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.5	2.9	1	09/04/24 16:26	09/05/24 05:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.5	2.0	1	09/04/24 16:26	09/05/24 05:43	79-34-5	
Tetrachloroethene	ND	ug/kg	7.5	2.4	1	09/04/24 16:26	09/05/24 05:43	127-18-4	
Toluene	ND	ug/kg	7.5	5.1	1	09/04/24 16:26	09/05/24 05:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.5	6.0	1	09/04/24 16:26	09/05/24 05:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.5	6.3	1	09/04/24 16:26	09/05/24 05:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.5	3.9	1	09/04/24 16:26	09/05/24 05:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.5	2.5	1	09/04/24 16:26	09/05/24 05:43	79-00-5	
Trichloroethene	ND	ug/kg	7.5	6.0	1	09/04/24 16:26	09/05/24 05:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.5	4.1	1	09/04/24 16:26	09/05/24 05:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.5	3.8	1	09/04/24 16:26	09/05/24 05:43	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.5	2.5	1	09/04/24 16:26	09/05/24 05:43	108-67-8	
Vinyl acetate	ND	ug/kg	74.5	15.3	1	09/04/24 16:26	09/05/24 05:43	108-05-4	
Vinyl chloride	ND	ug/kg	14.9	3.8	1	09/04/24 16:26	09/05/24 05:43	75-01-4	
Xylene (Total)	ND	ug/kg	14.9	4.2	1	09/04/24 16:26	09/05/24 05:43	1330-20-7	
m&p-Xylene	ND	ug/kg	14.9	5.1	1	09/04/24 16:26	09/05/24 05:43	179601-23-1	
o-Xylene	ND	ug/kg	7.5	3.3	1	09/04/24 16:26	09/05/24 05:43	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	09/04/24 16:26	09/05/24 05:43	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 16:26	09/05/24 05:43	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:26	09/05/24 05:43	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	20.7	%	0.10	0.10	1		08/26/24 17:48		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-19 (0-2) Lab ID: 92749616036 Collected: 08/22/24 13:10 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	175	56.3	1	09/04/24 16:26	09/05/24 06:02	67-64-1	v1
Acrolein	ND	ug/kg	175	53.5	1	09/04/24 16:26	09/05/24 06:02	107-02-8	
Acrylonitrile	ND	ug/kg	175	30.5	1	09/04/24 16:26	09/05/24 06:02	107-13-1	
Benzene	ND	ug/kg	8.8	3.5	1	09/04/24 16:26	09/05/24 06:02	71-43-2	
Bromobenzene	ND	ug/kg	8.8	2.9	1	09/04/24 16:26	09/05/24 06:02	108-86-1	v1
Bromochloromethane	ND	ug/kg	8.8	2.6	1	09/04/24 16:26	09/05/24 06:02	74-97-5	
Bromodichloromethane	ND	ug/kg	8.8	3.4	1	09/04/24 16:26	09/05/24 06:02	75-27-4	
Bromoform	ND	ug/kg	8.8	3.1	1	09/04/24 16:26	09/05/24 06:02	75-25-2	
Bromomethane	ND	ug/kg	35.1	27.2	1	09/04/24 16:26	09/05/24 06:02	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	175	42.1	1	09/04/24 16:26	09/05/24 06:02	78-93-3	
n-Butylbenzene	ND	ug/kg	8.8	5.5	1	09/04/24 16:26	09/05/24 06:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.8	3.9	1	09/04/24 16:26	09/05/24 06:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.8	3.1	1	09/04/24 16:26	09/05/24 06:02	98-06-6	v1
Carbon disulfide	ND	ug/kg	17.5	11.0	1	09/04/24 16:26	09/05/24 06:02	75-15-0	
Carbon tetrachloride	ND	ug/kg	8.8	3.3	1	09/04/24 16:26	09/05/24 06:02	56-23-5	
Chlorobenzene	ND	ug/kg	8.8	5.0	1	09/04/24 16:26	09/05/24 06:02	108-90-7	
Chloroethane	ND	ug/kg	17.5	6.8	1	09/04/24 16:26	09/05/24 06:02	75-00-3	v1
Chloroform	ND	ug/kg	8.8	7.3	1	09/04/24 16:26	09/05/24 06:02	67-66-3	
Chloromethane	ND	ug/kg	17.5	7.4	1	09/04/24 16:26	09/05/24 06:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.8	3.1	1	09/04/24 16:26	09/05/24 06:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.8	4.9	1	09/04/24 16:26	09/05/24 06:02	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.8	3.4	1	09/04/24 16:26	09/05/24 06:02	96-12-8	
Dibromochloromethane	ND	ug/kg	8.8	4.9	1	09/04/24 16:26	09/05/24 06:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.8	3.9	1	09/04/24 16:26	09/05/24 06:02	106-93-4	
Dibromomethane	ND	ug/kg	8.8	1.9	1	09/04/24 16:26	09/05/24 06:02	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	8.8	3.2	1	09/04/24 16:26	09/05/24 06:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.8	2.7	1	09/04/24 16:26	09/05/24 06:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.8	2.3	1	09/04/24 16:26	09/05/24 06:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	17.5	8.9	1	09/04/24 16:26	09/05/24 06:02	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	8.8	3.6	1	09/04/24 16:26	09/05/24 06:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.8	5.8	1	09/04/24 16:26	09/05/24 06:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	8.8	3.6	1	09/04/24 16:26	09/05/24 06:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	8.8	3.0	1	09/04/24 16:26	09/05/24 06:02	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	8.8	7.5	1	09/04/24 16:26	09/05/24 06:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.8	2.6	1	09/04/24 16:26	09/05/24 06:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.8	2.7	1	09/04/24 16:26	09/05/24 06:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.8	6.7	1	09/04/24 16:26	09/05/24 06:02	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	8.8	4.2	1	09/04/24 16:26	09/05/24 06:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.8	2.4	1	09/04/24 16:26	09/05/24 06:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.8	3.0	1	09/04/24 16:26	09/05/24 06:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	8.8	2.4	1	09/04/24 16:26	09/05/24 06:02	108-20-3	v1
Ethylbenzene	ND	ug/kg	8.8	4.1	1	09/04/24 16:26	09/05/24 06:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	17.5	5.2	1	09/04/24 16:26	09/05/24 06:02	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	17.5	14.4	1	09/04/24 16:26	09/05/24 06:02	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: SB-19 (0-2) Lab ID: 92749616036 Collected: 08/22/24 13:10 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	8.8	2.9	1	09/04/24 16:26	09/05/24 06:02	110-54-3	
2-Hexanone	ND	ug/kg	87.7	8.5	1	09/04/24 16:26	09/05/24 06:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.8	3.0	1	09/04/24 16:26	09/05/24 06:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.8	4.3	1	09/04/24 16:26	09/05/24 06:02	99-87-6	
Methylene Chloride	ND	ug/kg	35.1	24.0	1	09/04/24 16:26	09/05/24 06:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	87.7	8.5	1	09/04/24 16:26	09/05/24 06:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.8	3.3	1	09/04/24 16:26	09/05/24 06:02	1634-04-4	
Naphthalene	ND	ug/kg	8.8	4.6	1	09/04/24 16:26	09/05/24 06:02	91-20-3	
n-Propylbenzene	4.4J	ug/kg	8.8	3.1	1	09/04/24 16:26	09/05/24 06:02	103-65-1	
Styrene	ND	ug/kg	8.8	2.3	1	09/04/24 16:26	09/05/24 06:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.8	3.4	1	09/04/24 16:26	09/05/24 06:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.8	2.3	1	09/04/24 16:26	09/05/24 06:02	79-34-5	
Tetrachloroethene	ND	ug/kg	8.8	2.8	1	09/04/24 16:26	09/05/24 06:02	127-18-4	
Toluene	ND	ug/kg	8.8	6.1	1	09/04/24 16:26	09/05/24 06:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.8	7.1	1	09/04/24 16:26	09/05/24 06:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.8	7.4	1	09/04/24 16:26	09/05/24 06:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.8	4.6	1	09/04/24 16:26	09/05/24 06:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.8	2.9	1	09/04/24 16:26	09/05/24 06:02	79-00-5	
Trichloroethene	ND	ug/kg	8.8	7.1	1	09/04/24 16:26	09/05/24 06:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.8	4.8	1	09/04/24 16:26	09/05/24 06:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.8	4.4	1	09/04/24 16:26	09/05/24 06:02	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	8.8	2.9	1	09/04/24 16:26	09/05/24 06:02	108-67-8	
Vinyl acetate	ND	ug/kg	87.7	18.1	1	09/04/24 16:26	09/05/24 06:02	108-05-4	
Vinyl chloride	ND	ug/kg	17.5	4.5	1	09/04/24 16:26	09/05/24 06:02	75-01-4	
Xylene (Total)	6.8J	ug/kg	17.5	5.0	1	09/04/24 16:26	09/05/24 06:02	1330-20-7	
m&p-Xylene	6.8J	ug/kg	17.5	6.0	1	09/04/24 16:26	09/05/24 06:02	179601-23-1	
o-Xylene	ND	ug/kg	8.8	3.9	1	09/04/24 16:26	09/05/24 06:02	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:26	09/05/24 06:02	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1	09/04/24 16:26	09/05/24 06:02	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1	09/04/24 16:26	09/05/24 06:02	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	28.2	%	0.10	0.10	1		08/27/24 15:04		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-19 (2-5) Lab ID: 92749616037 Collected: 08/22/24 13:13 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	144	46.3	1	09/04/24 16:31	09/05/24 06:21	67-64-1	v1
Acrolein	ND	ug/kg	144	44.0	1	09/04/24 16:31	09/05/24 06:21	107-02-8	
Acrylonitrile	ND	ug/kg	144	25.1	1	09/04/24 16:31	09/05/24 06:21	107-13-1	
Benzene	ND	ug/kg	7.2	2.9	1	09/04/24 16:31	09/05/24 06:21	71-43-2	
Bromobenzene	ND	ug/kg	7.2	2.4	1	09/04/24 16:31	09/05/24 06:21	108-86-1	v1
Bromochloromethane	ND	ug/kg	7.2	2.1	1	09/04/24 16:31	09/05/24 06:21	74-97-5	
Bromodichloromethane	ND	ug/kg	7.2	2.8	1	09/04/24 16:31	09/05/24 06:21	75-27-4	
Bromoform	ND	ug/kg	7.2	2.5	1	09/04/24 16:31	09/05/24 06:21	75-25-2	
Bromomethane	ND	ug/kg	28.9	22.4	1	09/04/24 16:31	09/05/24 06:21	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	144	34.6	1	09/04/24 16:31	09/05/24 06:21	78-93-3	
n-Butylbenzene	ND	ug/kg	7.2	4.5	1	09/04/24 16:31	09/05/24 06:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.2	3.2	1	09/04/24 16:31	09/05/24 06:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.2	2.6	1	09/04/24 16:31	09/05/24 06:21	98-06-6	v1
Carbon disulfide	ND	ug/kg	14.4	9.1	1	09/04/24 16:31	09/05/24 06:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	7.2	2.7	1	09/04/24 16:31	09/05/24 06:21	56-23-5	
Chlorobenzene	ND	ug/kg	7.2	4.1	1	09/04/24 16:31	09/05/24 06:21	108-90-7	
Chloroethane	ND	ug/kg	14.4	5.6	1	09/04/24 16:31	09/05/24 06:21	75-00-3	v1
Chloroform	ND	ug/kg	7.2	6.0	1	09/04/24 16:31	09/05/24 06:21	67-66-3	
Chloromethane	ND	ug/kg	14.4	6.1	1	09/04/24 16:31	09/05/24 06:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.2	2.6	1	09/04/24 16:31	09/05/24 06:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.2	4.0	1	09/04/24 16:31	09/05/24 06:21	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.2	2.8	1	09/04/24 16:31	09/05/24 06:21	96-12-8	
Dibromochloromethane	ND	ug/kg	7.2	4.1	1	09/04/24 16:31	09/05/24 06:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.2	3.2	1	09/04/24 16:31	09/05/24 06:21	106-93-4	
Dibromomethane	ND	ug/kg	7.2	1.5	1	09/04/24 16:31	09/05/24 06:21	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.2	2.6	1	09/04/24 16:31	09/05/24 06:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.2	2.2	1	09/04/24 16:31	09/05/24 06:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.2	1.9	1	09/04/24 16:31	09/05/24 06:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.4	7.3	1	09/04/24 16:31	09/05/24 06:21	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	7.2	3.0	1	09/04/24 16:31	09/05/24 06:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.2	4.8	1	09/04/24 16:31	09/05/24 06:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.2	3.0	1	09/04/24 16:31	09/05/24 06:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.2	2.5	1	09/04/24 16:31	09/05/24 06:21	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	7.2	6.1	1	09/04/24 16:31	09/05/24 06:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.2	2.2	1	09/04/24 16:31	09/05/24 06:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.2	2.3	1	09/04/24 16:31	09/05/24 06:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.2	5.5	1	09/04/24 16:31	09/05/24 06:21	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	7.2	3.5	1	09/04/24 16:31	09/05/24 06:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.2	2.0	1	09/04/24 16:31	09/05/24 06:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.2	2.5	1	09/04/24 16:31	09/05/24 06:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.2	1.9	1	09/04/24 16:31	09/05/24 06:21	108-20-3	v1
Ethylbenzene	ND	ug/kg	7.2	3.4	1	09/04/24 16:31	09/05/24 06:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	14.4	4.3	1	09/04/24 16:31	09/05/24 06:21	637-92-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: SB-19 (2-5) Lab ID: 92749616037 Collected: 08/22/24 13:13 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Hexachloro-1,3-butadiene	ND	ug/kg	14.4	11.8	1	09/04/24 16:31	09/05/24 06:21	87-68-3	
n-Hexane	ND	ug/kg	7.2	2.4	1	09/04/24 16:31	09/05/24 06:21	110-54-3	
2-Hexanone	ND	ug/kg	72.2	7.0	1	09/04/24 16:31	09/05/24 06:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.2	2.5	1	09/04/24 16:31	09/05/24 06:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.2	3.6	1	09/04/24 16:31	09/05/24 06:21	99-87-6	
Methylene Chloride	ND	ug/kg	28.9	19.8	1	09/04/24 16:31	09/05/24 06:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	72.2	7.0	1	09/04/24 16:31	09/05/24 06:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.2	2.7	1	09/04/24 16:31	09/05/24 06:21	1634-04-4	
Naphthalene	ND	ug/kg	7.2	3.8	1	09/04/24 16:31	09/05/24 06:21	91-20-3	
n-Propylbenzene	ND	ug/kg	7.2	2.6	1	09/04/24 16:31	09/05/24 06:21	103-65-1	
Styrene	ND	ug/kg	7.2	1.9	1	09/04/24 16:31	09/05/24 06:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.2	2.8	1	09/04/24 16:31	09/05/24 06:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.2	1.9	1	09/04/24 16:31	09/05/24 06:21	79-34-5	
Tetrachloroethene	ND	ug/kg	7.2	2.3	1	09/04/24 16:31	09/05/24 06:21	127-18-4	
Toluene	ND	ug/kg	7.2	5.0	1	09/04/24 16:31	09/05/24 06:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.2	5.8	1	09/04/24 16:31	09/05/24 06:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.2	6.1	1	09/04/24 16:31	09/05/24 06:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.2	3.8	1	09/04/24 16:31	09/05/24 06:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.2	2.4	1	09/04/24 16:31	09/05/24 06:21	79-00-5	
Trichloroethene	ND	ug/kg	7.2	5.8	1	09/04/24 16:31	09/05/24 06:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.2	4.0	1	09/04/24 16:31	09/05/24 06:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.2	3.7	1	09/04/24 16:31	09/05/24 06:21	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	7.2	2.4	1	09/04/24 16:31	09/05/24 06:21	108-67-8	
Vinyl acetate	ND	ug/kg	72.2	14.9	1	09/04/24 16:31	09/05/24 06:21	108-05-4	
Vinyl chloride	ND	ug/kg	14.4	3.7	1	09/04/24 16:31	09/05/24 06:21	75-01-4	
Xylene (Total)	ND	ug/kg	14.4	4.1	1	09/04/24 16:31	09/05/24 06:21	1330-20-7	
m&p-Xylene	ND	ug/kg	14.4	4.9	1	09/04/24 16:31	09/05/24 06:21	179601-23-1	
o-Xylene	ND	ug/kg	7.2	3.2	1	09/04/24 16:31	09/05/24 06:21	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:31	09/05/24 06:21	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 16:31	09/05/24 06:21	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:31	09/05/24 06:21	17060-07-0	

Percent Moisture

Analytical Method: SW-846
Pace Analytical Services - Charlotte

Percent Moisture	16.2	%	0.10	0.10	1		08/27/24 15:04		N2
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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: DUP-01 Lab ID: 92749616038 Collected: 08/22/24 10:00 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/kg	115	36.8	1	09/04/24 16:31	09/05/24 06:39	67-64-1	v1
Acrolein	ND	ug/kg	115	34.9	1	09/04/24 16:31	09/05/24 06:39	107-02-8	
Acrylonitrile	ND	ug/kg	115	19.9	1	09/04/24 16:31	09/05/24 06:39	107-13-1	
Benzene	ND	ug/kg	5.7	2.3	1	09/04/24 16:31	09/05/24 06:39	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1.9	1	09/04/24 16:31	09/05/24 06:39	108-86-1	v1
Bromochloromethane	ND	ug/kg	5.7	1.7	1	09/04/24 16:31	09/05/24 06:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.2	1	09/04/24 16:31	09/05/24 06:39	75-27-4	
Bromoform	ND	ug/kg	5.7	2.0	1	09/04/24 16:31	09/05/24 06:39	75-25-2	
Bromomethane	ND	ug/kg	22.9	17.8	1	09/04/24 16:31	09/05/24 06:39	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	115	27.5	1	09/04/24 16:31	09/05/24 06:39	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	3.6	1	09/04/24 16:31	09/05/24 06:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	2.5	1	09/04/24 16:31	09/05/24 06:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	2.0	1	09/04/24 16:31	09/05/24 06:39	98-06-6	v1
Carbon disulfide	ND	ug/kg	11.5	7.2	1	09/04/24 16:31	09/05/24 06:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	2.1	1	09/04/24 16:31	09/05/24 06:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	3.3	1	09/04/24 16:31	09/05/24 06:39	108-90-7	
Chloroethane	ND	ug/kg	11.5	4.4	1	09/04/24 16:31	09/05/24 06:39	75-00-3	v1
Chloroform	ND	ug/kg	5.7	4.8	1	09/04/24 16:31	09/05/24 06:39	67-66-3	
Chloromethane	ND	ug/kg	11.5	4.8	1	09/04/24 16:31	09/05/24 06:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	2.0	1	09/04/24 16:31	09/05/24 06:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	3.2	1	09/04/24 16:31	09/05/24 06:39	106-43-4	v1
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	2.2	1	09/04/24 16:31	09/05/24 06:39	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	3.2	1	09/04/24 16:31	09/05/24 06:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.5	1	09/04/24 16:31	09/05/24 06:39	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1.2	1	09/04/24 16:31	09/05/24 06:39	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.1	1	09/04/24 16:31	09/05/24 06:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1.8	1	09/04/24 16:31	09/05/24 06:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1.5	1	09/04/24 16:31	09/05/24 06:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.5	5.8	1	09/04/24 16:31	09/05/24 06:39	75-71-8	v1
1,1-Dichloroethane	ND	ug/kg	5.7	2.4	1	09/04/24 16:31	09/05/24 06:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	3.8	1	09/04/24 16:31	09/05/24 06:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.4	1	09/04/24 16:31	09/05/24 06:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	2.0	1	09/04/24 16:31	09/05/24 06:39	156-59-2	v1
trans-1,2-Dichloroethene	ND	ug/kg	5.7	4.9	1	09/04/24 16:31	09/05/24 06:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.7	1	09/04/24 16:31	09/05/24 06:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1.8	1	09/04/24 16:31	09/05/24 06:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	4.3	1	09/04/24 16:31	09/05/24 06:39	594-20-7	v1
1,1-Dichloropropene	ND	ug/kg	5.7	2.7	1	09/04/24 16:31	09/05/24 06:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1.6	1	09/04/24 16:31	09/05/24 06:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	2.0	1	09/04/24 16:31	09/05/24 06:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1.5	1	09/04/24 16:31	09/05/24 06:39	108-20-3	v1
Ethylbenzene	ND	ug/kg	5.7	2.7	1	09/04/24 16:31	09/05/24 06:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/kg	11.5	3.4	1	09/04/24 16:31	09/05/24 06:39	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/kg	11.5	9.4	1	09/04/24 16:31	09/05/24 06:39	87-68-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: DUP-01 Lab ID: 92749616038 Collected: 08/22/24 10:00 Received: 08/24/24 12:00 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
8260D/5035A/5030B Volatiles									
Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/kg	5.7	1.9	1	09/04/24 16:31	09/05/24 06:39	110-54-3	
2-Hexanone	ND	ug/kg	57.3	5.5	1	09/04/24 16:31	09/05/24 06:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1.9	1	09/04/24 16:31	09/05/24 06:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	2.8	1	09/04/24 16:31	09/05/24 06:39	99-87-6	
Methylene Chloride	ND	ug/kg	22.9	15.7	1	09/04/24 16:31	09/05/24 06:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.3	5.5	1	09/04/24 16:31	09/05/24 06:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	2.1	1	09/04/24 16:31	09/05/24 06:39	1634-04-4	
Naphthalene	ND	ug/kg	5.7	3.0	1	09/04/24 16:31	09/05/24 06:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	2.0	1	09/04/24 16:31	09/05/24 06:39	103-65-1	
Styrene	ND	ug/kg	5.7	1.5	1	09/04/24 16:31	09/05/24 06:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	2.2	1	09/04/24 16:31	09/05/24 06:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1.5	1	09/04/24 16:31	09/05/24 06:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1.8	1	09/04/24 16:31	09/05/24 06:39	127-18-4	
Toluene	ND	ug/kg	5.7	4.0	1	09/04/24 16:31	09/05/24 06:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	4.6	1	09/04/24 16:31	09/05/24 06:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	4.8	1	09/04/24 16:31	09/05/24 06:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	3.0	1	09/04/24 16:31	09/05/24 06:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1.9	1	09/04/24 16:31	09/05/24 06:39	79-00-5	
Trichloroethene	ND	ug/kg	5.7	4.6	1	09/04/24 16:31	09/05/24 06:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	3.1	1	09/04/24 16:31	09/05/24 06:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	2.9	1	09/04/24 16:31	09/05/24 06:39	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1.9	1	09/04/24 16:31	09/05/24 06:39	108-67-8	
Vinyl acetate	ND	ug/kg	57.3	11.8	1	09/04/24 16:31	09/05/24 06:39	108-05-4	
Vinyl chloride	ND	ug/kg	11.5	2.9	1	09/04/24 16:31	09/05/24 06:39	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	3.3	1	09/04/24 16:31	09/05/24 06:39	1330-20-7	
m&p-Xylene	ND	ug/kg	11.5	3.9	1	09/04/24 16:31	09/05/24 06:39	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.5	1	09/04/24 16:31	09/05/24 06:39	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1	09/04/24 16:31	09/05/24 06:39	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1	09/04/24 16:31	09/05/24 06:39	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1	09/04/24 16:31	09/05/24 06:39	17060-07-0	
Percent Moisture									
Analytical Method: SW-846									
Pace Analytical Services - Charlotte									
Percent Moisture	16.1	%	0.10	0.10	1		08/27/24 15:05		N2

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-24		Lab ID: 92749616039		Collected: 08/20/24 17:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	13.6J	ug/L	25.0	5.1	1		08/27/24 15:15	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		08/27/24 15:15	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		08/27/24 15:15	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		08/27/24 15:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/27/24 15:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/27/24 15:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/27/24 15:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/27/24 15:15	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/27/24 15:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/27/24 15:15	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.49	1		08/27/24 15:15	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.40	1		08/27/24 15:15	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.32	1		08/27/24 15:15	98-06-6	
Carbon disulfide	ND	ug/L	2.0	0.36	1		08/27/24 15:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/27/24 15:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/27/24 15:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/27/24 15:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		08/27/24 15:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/27/24 15:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/27/24 15:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/27/24 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/27/24 15:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/27/24 15:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/27/24 15:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/27/24 15:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/27/24 15:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/27/24 15:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/27/24 15:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/27/24 15:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/27/24 15:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/27/24 15:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/27/24 15:15	75-35-4	
cis-1,2-Dichloroethene	0.43J	ug/L	1.0	0.38	1		08/27/24 15:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/27/24 15:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/27/24 15:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/27/24 15:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/27/24 15:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/27/24 15:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/27/24 15:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/27/24 15:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/27/24 15:15	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/27/24 15:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		08/27/24 15:15	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/27/24 15:15	87-68-3	
n-Hexane	ND	ug/L	1.0	0.82	1		08/27/24 15:15	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: AW-24		Lab ID: 92749616039		Collected: 08/20/24 17:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	5.0	0.48	1		08/27/24 15:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		08/27/24 15:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/27/24 15:15	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/27/24 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/27/24 15:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/27/24 15:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/27/24 15:15	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.34	1		08/27/24 15:15	103-65-1	
Styrene	ND	ug/L	1.0	0.29	1		08/27/24 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/27/24 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/27/24 15:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/27/24 15:15	127-18-4	
Toluene	0.43J	ug/L	1.0	0.24	1		08/27/24 15:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/27/24 15:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/27/24 15:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/27/24 15:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/27/24 15:15	79-00-5	
Trichloroethene	0.87J	ug/L	1.0	0.38	1		08/27/24 15:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/27/24 15:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/27/24 15:15	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		08/27/24 15:15	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/27/24 15:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/27/24 15:15	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/27/24 15:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/27/24 15:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/27/24 15:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/27/24 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		08/27/24 15:15	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/27/24 15:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-22 Lab ID: 92749616040 Collected: 08/20/24 17:25 Received: 08/24/24 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	5.1	1		08/27/24 15:33	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		08/27/24 15:33	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		08/27/24 15:33	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		08/27/24 15:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/27/24 15:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/27/24 15:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/27/24 15:33	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/27/24 15:33	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/27/24 15:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/27/24 15:33	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.49	1		08/27/24 15:33	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.40	1		08/27/24 15:33	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.32	1		08/27/24 15:33	98-06-6	
Carbon disulfide	ND	ug/L	2.0	0.36	1		08/27/24 15:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/27/24 15:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/27/24 15:33	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/27/24 15:33	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		08/27/24 15:33	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/27/24 15:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/27/24 15:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/27/24 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/27/24 15:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/27/24 15:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/27/24 15:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/27/24 15:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/27/24 15:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/27/24 15:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/27/24 15:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/27/24 15:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/27/24 15:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/27/24 15:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/27/24 15:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/27/24 15:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/27/24 15:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/27/24 15:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/27/24 15:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/27/24 15:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/27/24 15:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/27/24 15:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/27/24 15:33	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/27/24 15:33	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/27/24 15:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		08/27/24 15:33	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/27/24 15:33	87-68-3	
n-Hexane	ND	ug/L	1.0	0.82	1		08/27/24 15:33	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-22		Lab ID: 92749616040		Collected: 08/20/24 17:25		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	5.0	0.48	1		08/27/24 15:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		08/27/24 15:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/27/24 15:33	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/27/24 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/27/24 15:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/27/24 15:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/27/24 15:33	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.34	1		08/27/24 15:33	103-65-1	
Styrene	ND	ug/L	1.0	0.29	1		08/27/24 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/27/24 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/27/24 15:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/27/24 15:33	127-18-4	
Toluene	0.27J	ug/L	1.0	0.24	1		08/27/24 15:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/27/24 15:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/27/24 15:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/27/24 15:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/27/24 15:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		08/27/24 15:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/27/24 15:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/27/24 15:33	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		08/27/24 15:33	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/27/24 15:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/27/24 15:33	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/27/24 15:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/27/24 15:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/27/24 15:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/27/24 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		08/27/24 15:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/27/24 15:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-7		Lab ID: 92749616041		Collected: 08/20/24 19:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	62.5	12.8	2.5		08/28/24 18:38	67-64-1	H1
Acrolein	ND	ug/L	25.0	21.2	2.5		08/28/24 18:38	107-02-8	H1,R1
Acrylonitrile	ND	ug/L	25.0	4.6	2.5		08/28/24 18:38	107-13-1	H1,R1
Benzene	1.4J	ug/L	2.5	0.86	2.5		08/28/24 18:38	71-43-2	H1,M1, R1
Bromobenzene	ND	ug/L	2.5	0.72	2.5		08/28/24 18:38	108-86-1	H1,M1, R1
Bromochloromethane	ND	ug/L	2.5	1.2	2.5		08/28/24 18:38	74-97-5	H1,M1, R1
Bromodichloromethane	ND	ug/L	2.5	0.77	2.5		08/28/24 18:38	75-27-4	H1,M1, R1
Bromoform	ND	ug/L	2.5	0.85	2.5		08/28/24 18:38	75-25-2	H1,R1
Bromomethane	ND	ug/L	5.0	4.2	2.5		08/28/24 18:38	74-83-9	H1,R1
2-Butanone (MEK)	ND	ug/L	12.5	9.9	2.5		08/28/24 18:38	78-93-3	H1,R1
n-Butylbenzene	ND	ug/L	2.5	1.2	2.5		08/28/24 18:38	104-51-8	H1,M1, R1
sec-Butylbenzene	ND	ug/L	2.5	1.0	2.5		08/28/24 18:38	135-98-8	H1,M1, R1
tert-Butylbenzene	ND	ug/L	2.5	0.81	2.5		08/28/24 18:38	98-06-6	H1,M1, R1
Carbon disulfide	ND	ug/L	5.0	0.89	2.5		08/28/24 18:38	75-15-0	H1,M1, R1
Carbon tetrachloride	ND	ug/L	2.5	0.83	2.5		08/28/24 18:38	56-23-5	H1,M1, R1
Chlorobenzene	ND	ug/L	2.5	0.71	2.5		08/28/24 18:38	108-90-7	H1,M1, R1
Chloroethane	ND	ug/L	2.5	1.6	2.5		08/28/24 18:38	75-00-3	H1,M1, R1
Chloroform	2.8	ug/L	2.5	1.1	2.5		08/28/24 18:38	67-66-3	H1,M1, R1
Chloromethane	ND	ug/L	2.5	1.4	2.5		08/28/24 18:38	74-87-3	H1,R1
2-Chlorotoluene	ND	ug/L	2.5	0.80	2.5		08/28/24 18:38	95-49-8	H1,M1, R1
4-Chlorotoluene	ND	ug/L	2.5	0.81	2.5		08/28/24 18:38	106-43-4	H1,M1, R1
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.85	2.5		08/28/24 18:38	96-12-8	H1,R1
Dibromochloromethane	ND	ug/L	2.5	0.90	2.5		08/28/24 18:38	124-48-1	H1,M1, R1
1,2-Dibromoethane (EDB)	ND	ug/L	2.5	0.68	2.5		08/28/24 18:38	106-93-4	H1,M1, R1
Dibromomethane	ND	ug/L	2.5	0.98	2.5		08/28/24 18:38	74-95-3	H1,M1, R1
1,2-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		08/28/24 18:38	95-50-1	H1,M1, R1
1,3-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		08/28/24 18:38	541-73-1	H1,M1, R1
1,4-Dichlorobenzene	ND	ug/L	2.5	0.83	2.5		08/28/24 18:38	106-46-7	H1,M1, R1
Dichlorodifluoromethane	ND	ug/L	2.5	0.86	2.5		08/28/24 18:38	75-71-8	H1,R1
1,1-Dichloroethane	ND	ug/L	2.5	0.92	2.5		08/28/24 18:38	75-34-3	H1,M1, R1

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-7		Lab ID: 92749616041		Collected: 08/20/24 19:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		08/28/24 18:38	107-06-2	H1,R1
1,1-Dichloroethene	ND	ug/L	2.5	0.87	2.5		08/28/24 18:38	75-35-4	H1,M1, R1
cis-1,2-Dichloroethene	45.3	ug/L	2.5	0.96	2.5		08/28/24 18:38	156-59-2	H1,M1
trans-1,2-Dichloroethene	ND	ug/L	2.5	0.99	2.5		08/28/24 18:38	156-60-5	H1,M1, R1
1,2-Dichloropropane	ND	ug/L	2.5	0.89	2.5		08/28/24 18:38	78-87-5	H1,M1, R1
1,3-Dichloropropane	ND	ug/L	2.5	0.71	2.5		08/28/24 18:38	142-28-9	H1,M1, R1
2,2-Dichloropropane	ND	ug/L	2.5	0.97	2.5		08/28/24 18:38	594-20-7	H1,M1, R1
1,1-Dichloropropene	ND	ug/L	2.5	1.1	2.5		08/28/24 18:38	563-58-6	H1,M1, R1
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		08/28/24 18:38	10061-01-5	H1,M1, R1
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		08/28/24 18:38	10061-02-6	H1,M1, R1
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5		08/28/24 18:38	108-20-3	H1,R1
Ethylbenzene	ND	ug/L	2.5	0.76	2.5		08/28/24 18:38	100-41-4	H1,M1, R1
Ethyl-tert-butyl ether	ND	ug/L	25.0	8.1	2.5		08/28/24 18:38	637-92-3	H1,M1, R1
Hexachloro-1,3-butadiene	ND	ug/L	5.0	3.8	2.5		08/28/24 18:38	87-68-3	H1,M1, R1
n-Hexane	ND	ug/L	2.5	2.0	2.5		08/28/24 18:38	110-54-3	H1,R1
2-Hexanone	ND	ug/L	12.5	1.2	2.5		08/28/24 18:38	591-78-6	H1,R1
Isopropylbenzene (Cumene)	ND	ug/L	2.5	0.83	2.5		08/28/24 18:38	98-82-8	H1,M1, R1
p-Isopropyltoluene	ND	ug/L	2.5	1.0	2.5		08/28/24 18:38	99-87-6	H1,M1, R1
Methylene Chloride	9.6J	ug/L	12.5	4.9	2.5		08/28/24 18:38	75-09-2	H1,R1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12.5	6.8	2.5		08/28/24 18:38	108-10-1	H1,R1
Methyl-tert-butyl ether	ND	ug/L	2.5	1.1	2.5		08/28/24 18:38	1634-04-4	H1,M1, R1
Naphthalene	ND	ug/L	2.5	1.6	2.5		08/28/24 18:38	91-20-3	H1,R1
n-Propylbenzene	ND	ug/L	2.5	0.85	2.5		08/28/24 18:38	103-65-1	H1,M1, R1
Styrene	ND	ug/L	2.5	0.73	2.5		08/28/24 18:38	100-42-5	H1,M1, R1
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	0.78	2.5		08/28/24 18:38	630-20-6	H1,M1, R1
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	0.56	2.5		08/28/24 18:38	79-34-5	H1,M1, R1
Tetrachloroethene	ND	ug/L	2.5	0.73	2.5		08/28/24 18:38	127-18-4	H1,M1, R1
Toluene	1.9J	ug/L	2.5	0.60	2.5		08/28/24 18:38	108-88-3	H1,M1, R1
1,2,3-Trichlorobenzene	ND	ug/L	2.5	2.0	2.5		08/28/24 18:38	87-61-6	H1,R1
1,2,4-Trichlorobenzene	ND	ug/L	2.5	1.6	2.5		08/28/24 18:38	120-82-1	H1,R1

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: AW-7		Lab ID: 92749616041		Collected: 08/20/24 19:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
1,1,1-Trichloroethane	ND	ug/L	2.5	0.83	2.5		08/28/24 18:38	71-55-6	H1,M1, R1
1,1,2-Trichloroethane	ND	ug/L	2.5	0.81	2.5		08/28/24 18:38	79-00-5	H1,M1, R1
Trichloroethene	324	ug/L	2.5	0.96	2.5		08/28/24 18:38	79-01-6	H1,M1
Trichlorofluoromethane	ND	ug/L	2.5	0.74	2.5		08/28/24 18:38	75-69-4	H1,M1, R1
1,2,3-Trichloropropane	ND	ug/L	2.5	0.65	2.5		08/28/24 18:38	96-18-4	H1,R1
1,3,5-Trimethylbenzene	ND	ug/L	2.5	0.83	2.5		08/28/24 18:38	108-67-8	H1,M1, R1
Vinyl acetate	ND	ug/L	5.0	3.3	2.5		08/28/24 18:38	108-05-4	H1,R1
Vinyl chloride	2.5	ug/L	2.5	0.96	2.5		08/28/24 18:38	75-01-4	H1,M1, R1
Xylene (Total)	ND	ug/L	2.5	0.84	2.5		08/28/24 18:38	1330-20-7	MS,RS
m&p-Xylene	ND	ug/L	5.0	1.8	2.5		08/28/24 18:38	179601-23-1	H1,M1, R1
o-Xylene	ND	ug/L	2.5	0.84	2.5		08/28/24 18:38	95-47-6	H1,M1, R1
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		2.5		08/28/24 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		2.5		08/28/24 18:38	17060-07-0	
Toluene-d8 (S)	99	%	70-130		2.5		08/28/24 18:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-9		Lab ID: 92749616042		Collected: 08/21/24 10:25		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	2500	511	100		08/28/24 19:53	67-64-1	
Acrolein	ND	ug/L	1000	846	100		08/28/24 19:53	107-02-8	
Acrylonitrile	ND	ug/L	1000	185	100		08/28/24 19:53	107-13-1	
Benzene	ND	ug/L	100	34.5	100		08/28/24 19:53	71-43-2	
Bromobenzene	ND	ug/L	100	29.0	100		08/28/24 19:53	108-86-1	
Bromochloromethane	ND	ug/L	100	46.8	100		08/28/24 19:53	74-97-5	
Bromodichloromethane	ND	ug/L	100	30.7	100		08/28/24 19:53	75-27-4	
Bromoform	ND	ug/L	100	34.1	100		08/28/24 19:53	75-25-2	
Bromomethane	ND	ug/L	200	166	100		08/28/24 19:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	500	396	100		08/28/24 19:53	78-93-3	
n-Butylbenzene	ND	ug/L	100	49.0	100		08/28/24 19:53	104-51-8	
sec-Butylbenzene	ND	ug/L	100	40.0	100		08/28/24 19:53	135-98-8	
tert-Butylbenzene	ND	ug/L	100	32.3	100		08/28/24 19:53	98-06-6	
Carbon disulfide	ND	ug/L	200	35.5	100		08/28/24 19:53	75-15-0	
Carbon tetrachloride	ND	ug/L	100	33.3	100		08/28/24 19:53	56-23-5	
Chlorobenzene	ND	ug/L	100	28.4	100		08/28/24 19:53	108-90-7	
Chloroethane	ND	ug/L	100	64.9	100		08/28/24 19:53	75-00-3	
Chloroform	50.7J	ug/L	100	43.0	100		08/28/24 19:53	67-66-3	
Chloromethane	ND	ug/L	100	54.0	100		08/28/24 19:53	74-87-3	
2-Chlorotoluene	ND	ug/L	100	32.1	100		08/28/24 19:53	95-49-8	
4-Chlorotoluene	ND	ug/L	100	32.4	100		08/28/24 19:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	34.0	100		08/28/24 19:53	96-12-8	
Dibromochloromethane	ND	ug/L	100	35.9	100		08/28/24 19:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	27.2	100		08/28/24 19:53	106-93-4	
Dibromomethane	ND	ug/L	100	39.4	100		08/28/24 19:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	33.9	100		08/28/24 19:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	34.0	100		08/28/24 19:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	33.3	100		08/28/24 19:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	100	34.6	100		08/28/24 19:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	36.7	100		08/28/24 19:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		08/28/24 19:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	34.8	100		08/28/24 19:53	75-35-4	
cis-1,2-Dichloroethene	15500	ug/L	100	38.4	100		08/28/24 19:53	156-59-2	
trans-1,2-Dichloroethene	679	ug/L	100	39.6	100		08/28/24 19:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	100	35.5	100		08/28/24 19:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	28.4	100		08/28/24 19:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	38.8	100		08/28/24 19:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	42.7	100		08/28/24 19:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	36.5	100		08/28/24 19:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	36.3	100		08/28/24 19:53	10061-02-6	
Diisopropyl ether	ND	ug/L	100	30.8	100		08/28/24 19:53	108-20-3	
Ethylbenzene	ND	ug/L	100	30.4	100		08/28/24 19:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		08/28/24 19:53	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	200	153	100		08/28/24 19:53	87-68-3	
n-Hexane	ND	ug/L	100	82.0	100		08/28/24 19:53	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-9		Lab ID: 92749616042		Collected: 08/21/24 10:25		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	500	47.6	100		08/28/24 19:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	100	33.3	100		08/28/24 19:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	41.4	100		08/28/24 19:53	99-87-6	
Methylene Chloride	295J	ug/L	500	195	100		08/28/24 19:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	500	271	100		08/28/24 19:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	42.2	100		08/28/24 19:53	1634-04-4	
Naphthalene	ND	ug/L	100	64.5	100		08/28/24 19:53	91-20-3	
n-Propylbenzene	ND	ug/L	100	34.0	100		08/28/24 19:53	103-65-1	
Styrene	ND	ug/L	100	29.2	100		08/28/24 19:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	31.1	100		08/28/24 19:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	22.5	100		08/28/24 19:53	79-34-5	
Tetrachloroethene	ND	ug/L	100	29.2	100		08/28/24 19:53	127-18-4	
Toluene	26.1J	ug/L	100	23.9	100		08/28/24 19:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	80.6	100		08/28/24 19:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	63.9	100		08/28/24 19:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	33.2	100		08/28/24 19:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	32.5	100		08/28/24 19:53	79-00-5	
Trichloroethene	18600	ug/L	100	38.3	100		08/28/24 19:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	29.8	100		08/28/24 19:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	26.1	100		08/28/24 19:53	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	100	33.2	100		08/28/24 19:53	108-67-8	
Vinyl acetate	ND	ug/L	200	131	100		08/28/24 19:53	108-05-4	
Vinyl chloride	337	ug/L	100	38.6	100		08/28/24 19:53	75-01-4	
Xylene (Total)	ND	ug/L	100	33.8	100		08/28/24 19:53	1330-20-7	
m&p-Xylene	ND	ug/L	200	70.9	100		08/28/24 19:53	179601-23-1	
o-Xylene	ND	ug/L	100	33.8	100		08/28/24 19:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		100		08/28/24 19:53	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		100		08/28/24 19:53	17060-07-0	
Toluene-d8 (S)	101	%	70-130		100		08/28/24 19:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-10		Lab ID: 92749616043		Collected: 08/21/24 11:02		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	50000	10200	2000		08/28/24 22:41	67-64-1	
Acrolein	ND	ug/L	20000	16900	2000		08/28/24 22:41	107-02-8	
Acrylonitrile	ND	ug/L	20000	3700	2000		08/28/24 22:41	107-13-1	
Benzene	ND	ug/L	2000	690	2000		08/28/24 22:41	71-43-2	
Bromobenzene	ND	ug/L	2000	580	2000		08/28/24 22:41	108-86-1	
Bromochloromethane	ND	ug/L	2000	936	2000		08/28/24 22:41	74-97-5	
Bromodichloromethane	ND	ug/L	2000	614	2000		08/28/24 22:41	75-27-4	
Bromoform	ND	ug/L	2000	682	2000		08/28/24 22:41	75-25-2	
Bromomethane	ND	ug/L	4000	3320	2000		08/28/24 22:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	10000	7920	2000		08/28/24 22:41	78-93-3	
n-Butylbenzene	ND	ug/L	2000	980	2000		08/28/24 22:41	104-51-8	
sec-Butylbenzene	ND	ug/L	2000	800	2000		08/28/24 22:41	135-98-8	
tert-Butylbenzene	ND	ug/L	2000	646	2000		08/28/24 22:41	98-06-6	
Carbon disulfide	ND	ug/L	4000	710	2000		08/28/24 22:41	75-15-0	
Carbon tetrachloride	ND	ug/L	2000	666	2000		08/28/24 22:41	56-23-5	
Chlorobenzene	ND	ug/L	2000	568	2000		08/28/24 22:41	108-90-7	
Chloroethane	ND	ug/L	2000	1300	2000		08/28/24 22:41	75-00-3	
Chloroform	ND	ug/L	2000	860	2000		08/28/24 22:41	67-66-3	
Chloromethane	ND	ug/L	2000	1080	2000		08/28/24 22:41	74-87-3	
2-Chlorotoluene	ND	ug/L	2000	642	2000		08/28/24 22:41	95-49-8	
4-Chlorotoluene	ND	ug/L	2000	648	2000		08/28/24 22:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	680	2000		08/28/24 22:41	96-12-8	
Dibromochloromethane	ND	ug/L	2000	718	2000		08/28/24 22:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2000	544	2000		08/28/24 22:41	106-93-4	
Dibromomethane	ND	ug/L	2000	788	2000		08/28/24 22:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2000	678	2000		08/28/24 22:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2000	680	2000		08/28/24 22:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2000	666	2000		08/28/24 22:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2000	692	2000		08/28/24 22:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	2000	734	2000		08/28/24 22:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	2000	644	2000		08/28/24 22:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	2000	696	2000		08/28/24 22:41	75-35-4	
cis-1,2-Dichloroethene	22200	ug/L	2000	768	2000		08/28/24 22:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2000	792	2000		08/28/24 22:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	2000	710	2000		08/28/24 22:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	2000	568	2000		08/28/24 22:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	2000	776	2000		08/28/24 22:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	2000	854	2000		08/28/24 22:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2000	730	2000		08/28/24 22:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2000	726	2000		08/28/24 22:41	10061-02-6	
Diisopropyl ether	ND	ug/L	2000	616	2000		08/28/24 22:41	108-20-3	
Ethylbenzene	ND	ug/L	2000	608	2000		08/28/24 22:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20000	6480	2000		08/28/24 22:41	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	4000	3060	2000		08/28/24 22:41	87-68-3	
n-Hexane	ND	ug/L	2000	1640	2000		08/28/24 22:41	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: AW-10		Lab ID: 92749616043		Collected: 08/21/24 11:02		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	10000	952	2000		08/28/24 22:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2000	666	2000		08/28/24 22:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	2000	828	2000		08/28/24 22:41	99-87-6	
Methylene Chloride	3920J	ug/L	10000	3900	2000		08/28/24 22:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10000	5420	2000		08/28/24 22:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2000	844	2000		08/28/24 22:41	1634-04-4	
Naphthalene	ND	ug/L	2000	1290	2000		08/28/24 22:41	91-20-3	
n-Propylbenzene	ND	ug/L	2000	680	2000		08/28/24 22:41	103-65-1	
Styrene	ND	ug/L	2000	584	2000		08/28/24 22:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	622	2000		08/28/24 22:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	450	2000		08/28/24 22:41	79-34-5	
Tetrachloroethene	ND	ug/L	2000	584	2000		08/28/24 22:41	127-18-4	
Toluene	ND	ug/L	2000	478	2000		08/28/24 22:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2000	1610	2000		08/28/24 22:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2000	1280	2000		08/28/24 22:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2000	664	2000		08/28/24 22:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2000	650	2000		08/28/24 22:41	79-00-5	
Trichloroethene	218000	ug/L	2000	766	2000		08/28/24 22:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	2000	596	2000		08/28/24 22:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2000	522	2000		08/28/24 22:41	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	2000	664	2000		08/28/24 22:41	108-67-8	
Vinyl acetate	ND	ug/L	4000	2620	2000		08/28/24 22:41	108-05-4	
Vinyl chloride	ND	ug/L	2000	772	2000		08/28/24 22:41	75-01-4	
Xylene (Total)	ND	ug/L	2000	676	2000		08/28/24 22:41	1330-20-7	
m&p-Xylene	ND	ug/L	4000	1420	2000		08/28/24 22:41	179601-23-1	
o-Xylene	ND	ug/L	2000	676	2000		08/28/24 22:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2000		08/28/24 22:41	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		2000		08/28/24 22:41	17060-07-0	
Toluene-d8 (S)	99	%	70-130		2000		08/28/24 22:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-30		Lab ID: 92749616044		Collected: 08/21/24 11:55		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	12500	2560	500		08/28/24 20:49	67-64-1	
Acrolein	ND	ug/L	5000	4230	500		08/28/24 20:49	107-02-8	
Acrylonitrile	ND	ug/L	5000	925	500		08/28/24 20:49	107-13-1	
Benzene	ND	ug/L	500	172	500		08/28/24 20:49	71-43-2	
Bromobenzene	ND	ug/L	500	145	500		08/28/24 20:49	108-86-1	
Bromochloromethane	ND	ug/L	500	234	500		08/28/24 20:49	74-97-5	
Bromodichloromethane	ND	ug/L	500	154	500		08/28/24 20:49	75-27-4	
Bromoform	ND	ug/L	500	170	500		08/28/24 20:49	75-25-2	
Bromomethane	ND	ug/L	1000	830	500		08/28/24 20:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	1980	500		08/28/24 20:49	78-93-3	
n-Butylbenzene	ND	ug/L	500	245	500		08/28/24 20:49	104-51-8	
sec-Butylbenzene	ND	ug/L	500	200	500		08/28/24 20:49	135-98-8	
tert-Butylbenzene	ND	ug/L	500	162	500		08/28/24 20:49	98-06-6	
Carbon disulfide	ND	ug/L	1000	178	500		08/28/24 20:49	75-15-0	
Carbon tetrachloride	ND	ug/L	500	166	500		08/28/24 20:49	56-23-5	
Chlorobenzene	ND	ug/L	500	142	500		08/28/24 20:49	108-90-7	
Chloroethane	ND	ug/L	500	324	500		08/28/24 20:49	75-00-3	
Chloroform	ND	ug/L	500	215	500		08/28/24 20:49	67-66-3	
Chloromethane	ND	ug/L	500	270	500		08/28/24 20:49	74-87-3	
2-Chlorotoluene	ND	ug/L	500	160	500		08/28/24 20:49	95-49-8	
4-Chlorotoluene	ND	ug/L	500	162	500		08/28/24 20:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1000	170	500		08/28/24 20:49	96-12-8	
Dibromochloromethane	ND	ug/L	500	180	500		08/28/24 20:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	136	500		08/28/24 20:49	106-93-4	
Dibromomethane	ND	ug/L	500	197	500		08/28/24 20:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	500	170	500		08/28/24 20:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	170	500		08/28/24 20:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	166	500		08/28/24 20:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	173	500		08/28/24 20:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	184	500		08/28/24 20:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	161	500		08/28/24 20:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	174	500		08/28/24 20:49	75-35-4	
cis-1,2-Dichloroethene	954	ug/L	500	192	500		08/28/24 20:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	198	500		08/28/24 20:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	178	500		08/28/24 20:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	500	142	500		08/28/24 20:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	500	194	500		08/28/24 20:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	500	214	500		08/28/24 20:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	500	182	500		08/28/24 20:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	182	500		08/28/24 20:49	10061-02-6	
Diisopropyl ether	ND	ug/L	500	154	500		08/28/24 20:49	108-20-3	
Ethylbenzene	ND	ug/L	500	152	500		08/28/24 20:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	5000	1620	500		08/28/24 20:49	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	1000	765	500		08/28/24 20:49	87-68-3	
n-Hexane	ND	ug/L	500	410	500		08/28/24 20:49	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-30		Lab ID: 92749616044		Collected: 08/21/24 11:55		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	2500	238	500		08/28/24 20:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	166	500		08/28/24 20:49	98-82-8	
p-Isopropyltoluene	ND	ug/L	500	207	500		08/28/24 20:49	99-87-6	
Methylene Chloride	1240J	ug/L	2500	975	500		08/28/24 20:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	1360	500		08/28/24 20:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	500	211	500		08/28/24 20:49	1634-04-4	
Naphthalene	ND	ug/L	500	322	500		08/28/24 20:49	91-20-3	
n-Propylbenzene	ND	ug/L	500	170	500		08/28/24 20:49	103-65-1	
Styrene	ND	ug/L	500	146	500		08/28/24 20:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	500	156	500		08/28/24 20:49	630-20-6	
1,1,2,2-Tetrachloroethane	218J	ug/L	500	112	500		08/28/24 20:49	79-34-5	
Tetrachloroethene	ND	ug/L	500	146	500		08/28/24 20:49	127-18-4	
Toluene	ND	ug/L	500	120	500		08/28/24 20:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	500	403	500		08/28/24 20:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	500	320	500		08/28/24 20:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	166	500		08/28/24 20:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	162	500		08/28/24 20:49	79-00-5	
Trichloroethene	54500	ug/L	500	192	500		08/28/24 20:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	149	500		08/28/24 20:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	500	130	500		08/28/24 20:49	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	500	166	500		08/28/24 20:49	108-67-8	
Vinyl acetate	ND	ug/L	1000	655	500		08/28/24 20:49	108-05-4	
Vinyl chloride	ND	ug/L	500	193	500		08/28/24 20:49	75-01-4	
Xylene (Total)	ND	ug/L	500	169	500		08/28/24 20:49	1330-20-7	
m&p-Xylene	ND	ug/L	1000	354	500		08/28/24 20:49	179601-23-1	
o-Xylene	ND	ug/L	500	169	500		08/28/24 20:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		500		08/28/24 20:49	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		500		08/28/24 20:49	17060-07-0	
Toluene-d8 (S)	99	%	70-130		500		08/28/24 20:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-27 Lab ID: 92749616045 Collected: 08/21/24 13:00 Received: 08/24/24 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	6250	1280	250		08/28/24 20:11	67-64-1	
Acrolein	ND	ug/L	2500	2120	250		08/28/24 20:11	107-02-8	
Acrylonitrile	ND	ug/L	2500	462	250		08/28/24 20:11	107-13-1	
Benzene	ND	ug/L	250	86.2	250		08/28/24 20:11	71-43-2	
Bromobenzene	ND	ug/L	250	72.5	250		08/28/24 20:11	108-86-1	
Bromochloromethane	ND	ug/L	250	117	250		08/28/24 20:11	74-97-5	
Bromodichloromethane	ND	ug/L	250	76.8	250		08/28/24 20:11	75-27-4	
Bromoform	ND	ug/L	250	85.2	250		08/28/24 20:11	75-25-2	
Bromomethane	ND	ug/L	500	415	250		08/28/24 20:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	990	250		08/28/24 20:11	78-93-3	
n-Butylbenzene	ND	ug/L	250	122	250		08/28/24 20:11	104-51-8	
sec-Butylbenzene	ND	ug/L	250	100	250		08/28/24 20:11	135-98-8	
tert-Butylbenzene	ND	ug/L	250	80.8	250		08/28/24 20:11	98-06-6	
Carbon disulfide	ND	ug/L	500	88.8	250		08/28/24 20:11	75-15-0	
Carbon tetrachloride	ND	ug/L	250	83.2	250		08/28/24 20:11	56-23-5	
Chlorobenzene	ND	ug/L	250	71.0	250		08/28/24 20:11	108-90-7	
Chloroethane	ND	ug/L	250	162	250		08/28/24 20:11	75-00-3	
Chloroform	ND	ug/L	250	108	250		08/28/24 20:11	67-66-3	
Chloromethane	ND	ug/L	250	135	250		08/28/24 20:11	74-87-3	
2-Chlorotoluene	ND	ug/L	250	80.2	250		08/28/24 20:11	95-49-8	
4-Chlorotoluene	ND	ug/L	250	81.0	250		08/28/24 20:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	85.0	250		08/28/24 20:11	96-12-8	
Dibromochloromethane	ND	ug/L	250	89.8	250		08/28/24 20:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	68.0	250		08/28/24 20:11	106-93-4	
Dibromomethane	ND	ug/L	250	98.5	250		08/28/24 20:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	250	84.8	250		08/28/24 20:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	85.0	250		08/28/24 20:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	83.2	250		08/28/24 20:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	86.5	250		08/28/24 20:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	91.8	250		08/28/24 20:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		08/28/24 20:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	87.0	250		08/28/24 20:11	75-35-4	
cis-1,2-Dichloroethene	7030	ug/L	250	96.0	250		08/28/24 20:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	99.0	250		08/28/24 20:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	88.8	250		08/28/24 20:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	250	71.0	250		08/28/24 20:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	250	97.0	250		08/28/24 20:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	250	107	250		08/28/24 20:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	250	91.2	250		08/28/24 20:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	90.8	250		08/28/24 20:11	10061-02-6	
Diisopropyl ether	ND	ug/L	250	77.0	250		08/28/24 20:11	108-20-3	
Ethylbenzene	ND	ug/L	250	76.0	250		08/28/24 20:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		08/28/24 20:11	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	500	382	250		08/28/24 20:11	87-68-3	
n-Hexane	ND	ug/L	250	205	250		08/28/24 20:11	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-27		Lab ID: 92749616045		Collected: 08/21/24 13:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	1250	119	250		08/28/24 20:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	83.2	250		08/28/24 20:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	250	104	250		08/28/24 20:11	99-87-6	
Methylene Chloride	794J	ug/L	1250	488	250		08/28/24 20:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	678	250		08/28/24 20:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	250	106	250		08/28/24 20:11	1634-04-4	
Naphthalene	ND	ug/L	250	161	250		08/28/24 20:11	91-20-3	
n-Propylbenzene	ND	ug/L	250	85.0	250		08/28/24 20:11	103-65-1	
Styrene	ND	ug/L	250	73.0	250		08/28/24 20:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	250	77.8	250		08/28/24 20:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	56.2	250		08/28/24 20:11	79-34-5	
Tetrachloroethene	ND	ug/L	250	73.0	250		08/28/24 20:11	127-18-4	
Toluene	77.2J	ug/L	250	59.8	250		08/28/24 20:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	250	202	250		08/28/24 20:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	250	160	250		08/28/24 20:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	83.0	250		08/28/24 20:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	81.2	250		08/28/24 20:11	79-00-5	
Trichloroethene	33200	ug/L	250	95.8	250		08/28/24 20:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	74.5	250		08/28/24 20:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	250	65.2	250		08/28/24 20:11	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	250	83.0	250		08/28/24 20:11	108-67-8	
Vinyl acetate	ND	ug/L	500	328	250		08/28/24 20:11	108-05-4	
Vinyl chloride	ND	ug/L	250	96.5	250		08/28/24 20:11	75-01-4	
Xylene (Total)	ND	ug/L	250	84.5	250		08/28/24 20:11	1330-20-7	
m&p-Xylene	ND	ug/L	500	177	250		08/28/24 20:11	179601-23-1	
o-Xylene	ND	ug/L	250	84.5	250		08/28/24 20:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		250		08/28/24 20:11	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		250		08/28/24 20:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		250		08/28/24 20:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-15 Lab ID: 92749616046 Collected: 08/21/24 13:55 Received: 08/24/24 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	625	128	25		08/28/24 19:15	67-64-1	
Acrolein	ND	ug/L	250	212	25		08/28/24 19:15	107-02-8	
Acrylonitrile	ND	ug/L	250	46.2	25		08/28/24 19:15	107-13-1	
Benzene	ND	ug/L	25.0	8.6	25		08/28/24 19:15	71-43-2	
Bromobenzene	ND	ug/L	25.0	7.2	25		08/28/24 19:15	108-86-1	
Bromochloromethane	ND	ug/L	25.0	11.7	25		08/28/24 19:15	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	7.7	25		08/28/24 19:15	75-27-4	
Bromoform	ND	ug/L	25.0	8.5	25		08/28/24 19:15	75-25-2	
Bromomethane	ND	ug/L	50.0	41.5	25		08/28/24 19:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	99.0	25		08/28/24 19:15	78-93-3	
n-Butylbenzene	ND	ug/L	25.0	12.2	25		08/28/24 19:15	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	10.0	25		08/28/24 19:15	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	8.1	25		08/28/24 19:15	98-06-6	
Carbon disulfide	ND	ug/L	50.0	8.9	25		08/28/24 19:15	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	8.3	25		08/28/24 19:15	56-23-5	
Chlorobenzene	ND	ug/L	25.0	7.1	25		08/28/24 19:15	108-90-7	
Chloroethane	ND	ug/L	25.0	16.2	25		08/28/24 19:15	75-00-3	
Chloroform	ND	ug/L	25.0	10.8	25		08/28/24 19:15	67-66-3	
Chloromethane	ND	ug/L	25.0	13.5	25		08/28/24 19:15	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	8.0	25		08/28/24 19:15	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	8.1	25		08/28/24 19:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	8.5	25		08/28/24 19:15	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	9.0	25		08/28/24 19:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	6.8	25		08/28/24 19:15	106-93-4	
Dibromomethane	ND	ug/L	25.0	9.8	25		08/28/24 19:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	8.5	25		08/28/24 19:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	8.5	25		08/28/24 19:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	8.3	25		08/28/24 19:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	8.6	25		08/28/24 19:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	9.2	25		08/28/24 19:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		08/28/24 19:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	8.7	25		08/28/24 19:15	75-35-4	
cis-1,2-Dichloroethene	315	ug/L	25.0	9.6	25		08/28/24 19:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	9.9	25		08/28/24 19:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	8.9	25		08/28/24 19:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	7.1	25		08/28/24 19:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	9.7	25		08/28/24 19:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	10.7	25		08/28/24 19:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		08/28/24 19:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		08/28/24 19:15	10061-02-6	
Diisopropyl ether	ND	ug/L	25.0	7.7	25		08/28/24 19:15	108-20-3	
Ethylbenzene	ND	ug/L	25.0	7.6	25		08/28/24 19:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		08/28/24 19:15	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	38.2	25		08/28/24 19:15	87-68-3	
n-Hexane	ND	ug/L	25.0	20.5	25		08/28/24 19:15	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-15		Lab ID: 92749616046		Collected: 08/21/24 13:55		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	125	11.9	25		08/28/24 19:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	8.3	25		08/28/24 19:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	10.4	25		08/28/24 19:15	99-87-6	
Methylene Chloride	70.4J	ug/L	125	48.8	25		08/28/24 19:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	67.8	25		08/28/24 19:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	10.6	25		08/28/24 19:15	1634-04-4	
Naphthalene	ND	ug/L	25.0	16.1	25		08/28/24 19:15	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	8.5	25		08/28/24 19:15	103-65-1	
Styrene	ND	ug/L	25.0	7.3	25		08/28/24 19:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	7.8	25		08/28/24 19:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5.6	25		08/28/24 19:15	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	7.3	25		08/28/24 19:15	127-18-4	
Toluene	9.4J	ug/L	25.0	6.0	25		08/28/24 19:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	20.2	25		08/28/24 19:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	16.0	25		08/28/24 19:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	8.3	25		08/28/24 19:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	8.1	25		08/28/24 19:15	79-00-5	
Trichloroethene	4170	ug/L	25.0	9.6	25		08/28/24 19:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	7.4	25		08/28/24 19:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	6.5	25		08/28/24 19:15	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	8.3	25		08/28/24 19:15	108-67-8	
Vinyl acetate	ND	ug/L	50.0	32.8	25		08/28/24 19:15	108-05-4	
Vinyl chloride	ND	ug/L	25.0	9.6	25		08/28/24 19:15	75-01-4	
Xylene (Total)	ND	ug/L	25.0	8.4	25		08/28/24 19:15	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	17.7	25		08/28/24 19:15	179601-23-1	
o-Xylene	ND	ug/L	25.0	8.4	25		08/28/24 19:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		08/28/24 19:15	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		25		08/28/24 19:15	17060-07-0	
Toluene-d8 (S)	99	%	70-130		25		08/28/24 19:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-18 Lab ID: 92749616047 Collected: 08/21/24 14:25 Received: 08/24/24 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	2500	511	100		08/28/24 18:13	67-64-1	
Acrolein	ND	ug/L	1000	846	100		08/28/24 18:13	107-02-8	
Acrylonitrile	ND	ug/L	1000	185	100		08/28/24 18:13	107-13-1	
Benzene	ND	ug/L	100	34.5	100		08/28/24 18:13	71-43-2	
Bromobenzene	ND	ug/L	100	29.0	100		08/28/24 18:13	108-86-1	
Bromochloromethane	ND	ug/L	100	46.8	100		08/28/24 18:13	74-97-5	
Bromodichloromethane	ND	ug/L	100	30.7	100		08/28/24 18:13	75-27-4	
Bromoform	ND	ug/L	100	34.1	100		08/28/24 18:13	75-25-2	
Bromomethane	ND	ug/L	200	166	100		08/28/24 18:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	500	396	100		08/28/24 18:13	78-93-3	
n-Butylbenzene	ND	ug/L	100	49.0	100		08/28/24 18:13	104-51-8	
sec-Butylbenzene	ND	ug/L	100	40.0	100		08/28/24 18:13	135-98-8	
tert-Butylbenzene	ND	ug/L	100	32.3	100		08/28/24 18:13	98-06-6	
Carbon disulfide	ND	ug/L	200	35.5	100		08/28/24 18:13	75-15-0	
Carbon tetrachloride	ND	ug/L	100	33.3	100		08/28/24 18:13	56-23-5	
Chlorobenzene	ND	ug/L	100	28.4	100		08/28/24 18:13	108-90-7	
Chloroethane	ND	ug/L	100	64.9	100		08/28/24 18:13	75-00-3	
Chloroform	ND	ug/L	100	43.0	100		08/28/24 18:13	67-66-3	
Chloromethane	ND	ug/L	100	54.0	100		08/28/24 18:13	74-87-3	
2-Chlorotoluene	ND	ug/L	100	32.1	100		08/28/24 18:13	95-49-8	
4-Chlorotoluene	ND	ug/L	100	32.4	100		08/28/24 18:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	34.0	100		08/28/24 18:13	96-12-8	
Dibromochloromethane	ND	ug/L	100	35.9	100		08/28/24 18:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	27.2	100		08/28/24 18:13	106-93-4	
Dibromomethane	ND	ug/L	100	39.4	100		08/28/24 18:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	33.9	100		08/28/24 18:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	34.0	100		08/28/24 18:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	33.3	100		08/28/24 18:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	100	34.6	100		08/28/24 18:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	36.7	100		08/28/24 18:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		08/28/24 18:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	34.8	100		08/28/24 18:13	75-35-4	
cis-1,2-Dichloroethene	590	ug/L	100	38.4	100		08/28/24 18:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	39.6	100		08/28/24 18:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	100	35.5	100		08/28/24 18:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	28.4	100		08/28/24 18:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	38.8	100		08/28/24 18:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	42.7	100		08/28/24 18:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	36.5	100		08/28/24 18:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	36.3	100		08/28/24 18:13	10061-02-6	
Diisopropyl ether	ND	ug/L	100	30.8	100		08/28/24 18:13	108-20-3	
Ethylbenzene	ND	ug/L	100	30.4	100		08/28/24 18:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		08/28/24 18:13	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	200	153	100		08/28/24 18:13	87-68-3	
n-Hexane	ND	ug/L	100	82.0	100		08/28/24 18:13	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-18		Lab ID: 92749616047		Collected: 08/21/24 14:25		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	500	47.6	100		08/28/24 18:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	100	33.3	100		08/28/24 18:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	41.4	100		08/28/24 18:13	99-87-6	
Methylene Chloride	ND	ug/L	500	195	100		08/28/24 18:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	500	271	100		08/28/24 18:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	42.2	100		08/28/24 18:13	1634-04-4	
Naphthalene	ND	ug/L	100	64.5	100		08/28/24 18:13	91-20-3	
n-Propylbenzene	ND	ug/L	100	34.0	100		08/28/24 18:13	103-65-1	
Styrene	ND	ug/L	100	29.2	100		08/28/24 18:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	31.1	100		08/28/24 18:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	22.5	100		08/28/24 18:13	79-34-5	
Tetrachloroethene	ND	ug/L	100	29.2	100		08/28/24 18:13	127-18-4	
Toluene	ND	ug/L	100	23.9	100		08/28/24 18:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	80.6	100		08/28/24 18:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	63.9	100		08/28/24 18:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	33.2	100		08/28/24 18:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	32.5	100		08/28/24 18:13	79-00-5	
Trichloroethene	14900	ug/L	100	38.3	100		08/28/24 18:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	29.8	100		08/28/24 18:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	26.1	100		08/28/24 18:13	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	100	33.2	100		08/28/24 18:13	108-67-8	
Vinyl acetate	ND	ug/L	200	131	100		08/28/24 18:13	108-05-4	
Vinyl chloride	ND	ug/L	100	38.6	100		08/28/24 18:13	75-01-4	
Xylene (Total)	ND	ug/L	100	33.8	100		08/28/24 18:13	1330-20-7	
m&p-Xylene	ND	ug/L	200	70.9	100		08/28/24 18:13	179601-23-1	
o-Xylene	ND	ug/L	100	33.8	100		08/28/24 18:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		100		08/28/24 18:13	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		100		08/28/24 18:13	17060-07-0	
Toluene-d8 (S)	99	%	70-130		100		08/28/24 18:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-20 Lab ID: 92749616048 Collected: 08/21/24 14:55 Received: 08/24/24 12:00 Matrix: Water

Parameters	Results	Units	Report		MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit							
8260D MSV Low Level	Analytical Method: EPA 8260D									
	Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	312	63.9	12.5		08/28/24 20:04	67-64-1		
Acrolein	ND	ug/L	125	106	12.5		08/28/24 20:04	107-02-8		
Acrylonitrile	ND	ug/L	125	23.1	12.5		08/28/24 20:04	107-13-1		
Benzene	ND	ug/L	12.5	4.3	12.5		08/28/24 20:04	71-43-2		M1
Bromobenzene	ND	ug/L	12.5	3.6	12.5		08/28/24 20:04	108-86-1		
Bromochloromethane	ND	ug/L	12.5	5.8	12.5		08/28/24 20:04	74-97-5		M1
Bromodichloromethane	ND	ug/L	12.5	3.8	12.5		08/28/24 20:04	75-27-4		M1
Bromoform	ND	ug/L	12.5	4.3	12.5		08/28/24 20:04	75-25-2		
Bromomethane	ND	ug/L	25.0	20.8	12.5		08/28/24 20:04	74-83-9		
2-Butanone (MEK)	ND	ug/L	62.5	49.5	12.5		08/28/24 20:04	78-93-3		
n-Butylbenzene	ND	ug/L	12.5	6.1	12.5		08/28/24 20:04	104-51-8		
sec-Butylbenzene	ND	ug/L	12.5	5.0	12.5		08/28/24 20:04	135-98-8		
tert-Butylbenzene	ND	ug/L	12.5	4.0	12.5		08/28/24 20:04	98-06-6		M1
Carbon disulfide	ND	ug/L	25.0	4.4	12.5		08/28/24 20:04	75-15-0		M1
Carbon tetrachloride	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	56-23-5		M1
Chlorobenzene	ND	ug/L	12.5	3.6	12.5		08/28/24 20:04	108-90-7		
Chloroethane	ND	ug/L	12.5	8.1	12.5		08/28/24 20:04	75-00-3		M1
Chloroform	ND	ug/L	12.5	5.4	12.5		08/28/24 20:04	67-66-3		
Chloromethane	ND	ug/L	12.5	6.8	12.5		08/28/24 20:04	74-87-3		
2-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		08/28/24 20:04	95-49-8		
4-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		08/28/24 20:04	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	4.2	12.5		08/28/24 20:04	96-12-8		M1
Dibromochloromethane	ND	ug/L	12.5	4.5	12.5		08/28/24 20:04	124-48-1		M1
1,2-Dibromoethane (EDB)	ND	ug/L	12.5	3.4	12.5		08/28/24 20:04	106-93-4		M1
Dibromomethane	ND	ug/L	12.5	4.9	12.5		08/28/24 20:04	74-95-3		M1
1,2-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	106-46-7		
Dichlorodifluoromethane	ND	ug/L	12.5	4.3	12.5		08/28/24 20:04	75-71-8		
1,1-Dichloroethane	ND	ug/L	12.5	4.6	12.5		08/28/24 20:04	75-34-3		M1
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		08/28/24 20:04	107-06-2		
1,1-Dichloroethene	ND	ug/L	12.5	4.4	12.5		08/28/24 20:04	75-35-4		
cis-1,2-Dichloroethene	220	ug/L	12.5	4.8	12.5		08/28/24 20:04	156-59-2		M1
trans-1,2-Dichloroethene	ND	ug/L	12.5	5.0	12.5		08/28/24 20:04	156-60-5		
1,2-Dichloropropane	ND	ug/L	12.5	4.4	12.5		08/28/24 20:04	78-87-5		M1
1,3-Dichloropropane	ND	ug/L	12.5	3.6	12.5		08/28/24 20:04	142-28-9		
2,2-Dichloropropane	ND	ug/L	12.5	4.8	12.5		08/28/24 20:04	594-20-7		
1,1-Dichloropropene	ND	ug/L	12.5	5.3	12.5		08/28/24 20:04	563-58-6		M1
cis-1,3-Dichloropropene	ND	ug/L	12.5	4.6	12.5		08/28/24 20:04	10061-01-5		M1
trans-1,3-Dichloropropene	ND	ug/L	12.5	4.5	12.5		08/28/24 20:04	10061-02-6		M1
Diisopropyl ether	ND	ug/L	12.5	3.8	12.5		08/28/24 20:04	108-20-3		
Ethylbenzene	ND	ug/L	12.5	3.8	12.5		08/28/24 20:04	100-41-4		
Ethyl-tert-butyl ether	ND	ug/L	125	40.5	12.5		08/28/24 20:04	637-92-3		
Hexachloro-1,3-butadiene	ND	ug/L	25.0	19.1	12.5		08/28/24 20:04	87-68-3		
n-Hexane	ND	ug/L	12.5	10.2	12.5		08/28/24 20:04	110-54-3		

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-20		Lab ID: 92749616048		Collected: 08/21/24 14:55		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	62.5	6.0	12.5		08/28/24 20:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	12.5	5.2	12.5		08/28/24 20:04	99-87-6	
Methylene Chloride	ND	ug/L	62.5	24.4	12.5		08/28/24 20:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	62.5	33.9	12.5		08/28/24 20:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	12.5	5.3	12.5		08/28/24 20:04	1634-04-4	
Naphthalene	ND	ug/L	12.5	8.1	12.5		08/28/24 20:04	91-20-3	
n-Propylbenzene	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	103-65-1	
Styrene	ND	ug/L	12.5	3.6	12.5		08/28/24 20:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	3.9	12.5		08/28/24 20:04	630-20-6	M1
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	2.8	12.5		08/28/24 20:04	79-34-5	
Tetrachloroethene	ND	ug/L	12.5	3.6	12.5		08/28/24 20:04	127-18-4	M1
Toluene	ND	ug/L	12.5	3.0	12.5		08/28/24 20:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	10.1	12.5		08/28/24 20:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	8.0	12.5		08/28/24 20:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	71-55-6	M1
1,1,2-Trichloroethane	ND	ug/L	12.5	4.1	12.5		08/28/24 20:04	79-00-5	
Trichloroethene	1910	ug/L	12.5	4.8	12.5		08/28/24 20:04	79-01-6	M1
Trichlorofluoromethane	ND	ug/L	12.5	3.7	12.5		08/28/24 20:04	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/L	12.5	3.3	12.5		08/28/24 20:04	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	108-67-8	
Vinyl acetate	ND	ug/L	25.0	16.4	12.5		08/28/24 20:04	108-05-4	
Vinyl chloride	ND	ug/L	12.5	4.8	12.5		08/28/24 20:04	75-01-4	M1
Xylene (Total)	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	1330-20-7	
m&p-Xylene	ND	ug/L	25.0	8.9	12.5		08/28/24 20:04	179601-23-1	
o-Xylene	ND	ug/L	12.5	4.2	12.5		08/28/24 20:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		12.5		08/28/24 20:04	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		12.5		08/28/24 20:04	17060-07-0	
Toluene-d8 (S)	100	%	70-130		12.5		08/28/24 20:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-29		Lab ID: 92749616049		Collected: 08/21/24 17:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	62500	12800	2500		08/28/24 22:04	67-64-1	
Acrolein	ND	ug/L	25000	21200	2500		08/28/24 22:04	107-02-8	
Acrylonitrile	ND	ug/L	25000	4620	2500		08/28/24 22:04	107-13-1	
Benzene	ND	ug/L	2500	862	2500		08/28/24 22:04	71-43-2	
Bromobenzene	ND	ug/L	2500	725	2500		08/28/24 22:04	108-86-1	
Bromochloromethane	ND	ug/L	2500	1170	2500		08/28/24 22:04	74-97-5	
Bromodichloromethane	ND	ug/L	2500	768	2500		08/28/24 22:04	75-27-4	
Bromoform	ND	ug/L	2500	852	2500		08/28/24 22:04	75-25-2	
Bromomethane	ND	ug/L	5000	4150	2500		08/28/24 22:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	12500	9900	2500		08/28/24 22:04	78-93-3	
n-Butylbenzene	ND	ug/L	2500	1220	2500		08/28/24 22:04	104-51-8	
sec-Butylbenzene	ND	ug/L	2500	1000	2500		08/28/24 22:04	135-98-8	
tert-Butylbenzene	ND	ug/L	2500	808	2500		08/28/24 22:04	98-06-6	
Carbon disulfide	ND	ug/L	5000	888	2500		08/28/24 22:04	75-15-0	
Carbon tetrachloride	ND	ug/L	2500	832	2500		08/28/24 22:04	56-23-5	
Chlorobenzene	ND	ug/L	2500	710	2500		08/28/24 22:04	108-90-7	
Chloroethane	ND	ug/L	2500	1620	2500		08/28/24 22:04	75-00-3	
Chloroform	ND	ug/L	2500	1080	2500		08/28/24 22:04	67-66-3	
Chloromethane	ND	ug/L	2500	1350	2500		08/28/24 22:04	74-87-3	
2-Chlorotoluene	ND	ug/L	2500	802	2500		08/28/24 22:04	95-49-8	
4-Chlorotoluene	ND	ug/L	2500	810	2500		08/28/24 22:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5000	850	2500		08/28/24 22:04	96-12-8	
Dibromochloromethane	ND	ug/L	2500	898	2500		08/28/24 22:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2500	680	2500		08/28/24 22:04	106-93-4	
Dibromomethane	ND	ug/L	2500	985	2500		08/28/24 22:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2500	848	2500		08/28/24 22:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2500	850	2500		08/28/24 22:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2500	832	2500		08/28/24 22:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2500	865	2500		08/28/24 22:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	2500	918	2500		08/28/24 22:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	2500	805	2500		08/28/24 22:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	2500	870	2500		08/28/24 22:04	75-35-4	
cis-1,2-Dichloroethene	19900	ug/L	2500	960	2500		08/28/24 22:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2500	990	2500		08/28/24 22:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	2500	888	2500		08/28/24 22:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	2500	710	2500		08/28/24 22:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	2500	970	2500		08/28/24 22:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	2500	1070	2500		08/28/24 22:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2500	912	2500		08/28/24 22:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2500	908	2500		08/28/24 22:04	10061-02-6	
Diisopropyl ether	ND	ug/L	2500	770	2500		08/28/24 22:04	108-20-3	
Ethylbenzene	ND	ug/L	2500	760	2500		08/28/24 22:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25000	8100	2500		08/28/24 22:04	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	5000	3820	2500		08/28/24 22:04	87-68-3	
n-Hexane	ND	ug/L	2500	2050	2500		08/28/24 22:04	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: AW-29		Lab ID: 92749616049		Collected: 08/21/24 17:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	12500	1190	2500		08/28/24 22:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2500	832	2500		08/28/24 22:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	2500	1040	2500		08/28/24 22:04	99-87-6	
Methylene Chloride	5570J	ug/L	12500	4880	2500		08/28/24 22:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12500	6780	2500		08/28/24 22:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2500	1060	2500		08/28/24 22:04	1634-04-4	
Naphthalene	ND	ug/L	2500	1610	2500		08/28/24 22:04	91-20-3	
n-Propylbenzene	ND	ug/L	2500	850	2500		08/28/24 22:04	103-65-1	
Styrene	ND	ug/L	2500	730	2500		08/28/24 22:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2500	778	2500		08/28/24 22:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2500	562	2500		08/28/24 22:04	79-34-5	
Tetrachloroethene	ND	ug/L	2500	730	2500		08/28/24 22:04	127-18-4	
Toluene	ND	ug/L	2500	598	2500		08/28/24 22:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2500	2020	2500		08/28/24 22:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2500	1600	2500		08/28/24 22:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2500	830	2500		08/28/24 22:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2500	812	2500		08/28/24 22:04	79-00-5	
Trichloroethene	448000	ug/L	2500	958	2500		08/28/24 22:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	2500	745	2500		08/28/24 22:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2500	652	2500		08/28/24 22:04	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	2500	830	2500		08/28/24 22:04	108-67-8	
Vinyl acetate	ND	ug/L	5000	3280	2500		08/28/24 22:04	108-05-4	
Vinyl chloride	ND	ug/L	2500	965	2500		08/28/24 22:04	75-01-4	
Xylene (Total)	ND	ug/L	2500	845	2500		08/28/24 22:04	1330-20-7	
m&p-Xylene	ND	ug/L	5000	1770	2500		08/28/24 22:04	179601-23-1	
o-Xylene	ND	ug/L	2500	845	2500		08/28/24 22:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2500		08/28/24 22:04	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		2500		08/28/24 22:04	17060-07-0	
Toluene-d8 (S)	100	%	70-130		2500		08/28/24 22:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-4		Lab ID: 92749616050		Collected: 08/21/24 17:25		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	3120	639	125		08/28/24 18:32	67-64-1	
Acrolein	ND	ug/L	1250	1060	125		08/28/24 18:32	107-02-8	
Acrylonitrile	ND	ug/L	1250	231	125		08/28/24 18:32	107-13-1	
Benzene	ND	ug/L	125	43.1	125		08/28/24 18:32	71-43-2	
Bromobenzene	ND	ug/L	125	36.2	125		08/28/24 18:32	108-86-1	
Bromochloromethane	ND	ug/L	125	58.5	125		08/28/24 18:32	74-97-5	
Bromodichloromethane	ND	ug/L	125	38.4	125		08/28/24 18:32	75-27-4	
Bromoform	ND	ug/L	125	42.6	125		08/28/24 18:32	75-25-2	
Bromomethane	ND	ug/L	250	208	125		08/28/24 18:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	625	495	125		08/28/24 18:32	78-93-3	
n-Butylbenzene	ND	ug/L	125	61.2	125		08/28/24 18:32	104-51-8	
sec-Butylbenzene	ND	ug/L	125	50.0	125		08/28/24 18:32	135-98-8	
tert-Butylbenzene	ND	ug/L	125	40.4	125		08/28/24 18:32	98-06-6	
Carbon disulfide	ND	ug/L	250	44.4	125		08/28/24 18:32	75-15-0	
Carbon tetrachloride	ND	ug/L	125	41.6	125		08/28/24 18:32	56-23-5	
Chlorobenzene	ND	ug/L	125	35.5	125		08/28/24 18:32	108-90-7	
Chloroethane	ND	ug/L	125	81.1	125		08/28/24 18:32	75-00-3	
Chloroform	ND	ug/L	125	53.8	125		08/28/24 18:32	67-66-3	
Chloromethane	ND	ug/L	125	67.5	125		08/28/24 18:32	74-87-3	
2-Chlorotoluene	ND	ug/L	125	40.1	125		08/28/24 18:32	95-49-8	
4-Chlorotoluene	ND	ug/L	125	40.5	125		08/28/24 18:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	42.5	125		08/28/24 18:32	96-12-8	
Dibromochloromethane	ND	ug/L	125	44.9	125		08/28/24 18:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	125	34.0	125		08/28/24 18:32	106-93-4	
Dibromomethane	ND	ug/L	125	49.2	125		08/28/24 18:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	125	42.4	125		08/28/24 18:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	125	42.5	125		08/28/24 18:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	125	41.6	125		08/28/24 18:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	125	43.2	125		08/28/24 18:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	125	45.9	125		08/28/24 18:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		08/28/24 18:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	125	43.5	125		08/28/24 18:32	75-35-4	
cis-1,2-Dichloroethene	4610	ug/L	125	48.0	125		08/28/24 18:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	125	49.5	125		08/28/24 18:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	125	44.4	125		08/28/24 18:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	125	35.5	125		08/28/24 18:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	125	48.5	125		08/28/24 18:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	125	53.4	125		08/28/24 18:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	125	45.6	125		08/28/24 18:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	125	45.4	125		08/28/24 18:32	10061-02-6	
Diisopropyl ether	ND	ug/L	125	38.5	125		08/28/24 18:32	108-20-3	
Ethylbenzene	ND	ug/L	125	38.0	125		08/28/24 18:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		08/28/24 18:32	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	250	191	125		08/28/24 18:32	87-68-3	
n-Hexane	ND	ug/L	125	102	125		08/28/24 18:32	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-4		Lab ID: 92749616050		Collected: 08/21/24 17:25		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	625	59.5	125		08/28/24 18:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	125	41.6	125		08/28/24 18:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	125	51.8	125		08/28/24 18:32	99-87-6	
Methylene Chloride	ND	ug/L	625	244	125		08/28/24 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	625	339	125		08/28/24 18:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	125	52.8	125		08/28/24 18:32	1634-04-4	
Naphthalene	ND	ug/L	125	80.6	125		08/28/24 18:32	91-20-3	
n-Propylbenzene	ND	ug/L	125	42.5	125		08/28/24 18:32	103-65-1	
Styrene	ND	ug/L	125	36.5	125		08/28/24 18:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	125	38.9	125		08/28/24 18:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	125	28.1	125		08/28/24 18:32	79-34-5	
Tetrachloroethene	ND	ug/L	125	36.5	125		08/28/24 18:32	127-18-4	
Toluene	ND	ug/L	125	29.9	125		08/28/24 18:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	125	101	125		08/28/24 18:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	125	79.9	125		08/28/24 18:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	125	41.5	125		08/28/24 18:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	125	40.6	125		08/28/24 18:32	79-00-5	
Trichloroethene	20900	ug/L	125	47.9	125		08/28/24 18:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	125	37.2	125		08/28/24 18:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	125	32.6	125		08/28/24 18:32	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	125	41.5	125		08/28/24 18:32	108-67-8	
Vinyl acetate	ND	ug/L	250	164	125		08/28/24 18:32	108-05-4	
Vinyl chloride	67.9J	ug/L	125	48.2	125		08/28/24 18:32	75-01-4	
Xylene (Total)	ND	ug/L	125	42.2	125		08/28/24 18:32	1330-20-7	
m&p-Xylene	ND	ug/L	250	88.6	125		08/28/24 18:32	179601-23-1	
o-Xylene	ND	ug/L	125	42.2	125		08/28/24 18:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		125		08/28/24 18:32	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		125		08/28/24 18:32	17060-07-0	
Toluene-d8 (S)	98	%	70-130		125		08/28/24 18:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: AW-28		Lab ID: 92749616051		Collected: 08/21/24 18:46		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	50000	10200	2000		08/28/24 20:22	67-64-1	
Acrolein	ND	ug/L	20000	16900	2000		08/28/24 20:22	107-02-8	
Acrylonitrile	ND	ug/L	20000	3700	2000		08/28/24 20:22	107-13-1	
Benzene	ND	ug/L	2000	690	2000		08/28/24 20:22	71-43-2	
Bromobenzene	ND	ug/L	2000	580	2000		08/28/24 20:22	108-86-1	
Bromochloromethane	ND	ug/L	2000	936	2000		08/28/24 20:22	74-97-5	
Bromodichloromethane	ND	ug/L	2000	614	2000		08/28/24 20:22	75-27-4	
Bromoform	ND	ug/L	2000	682	2000		08/28/24 20:22	75-25-2	
Bromomethane	ND	ug/L	4000	3320	2000		08/28/24 20:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	10000	7920	2000		08/28/24 20:22	78-93-3	
n-Butylbenzene	ND	ug/L	2000	980	2000		08/28/24 20:22	104-51-8	
sec-Butylbenzene	ND	ug/L	2000	800	2000		08/28/24 20:22	135-98-8	
tert-Butylbenzene	ND	ug/L	2000	646	2000		08/28/24 20:22	98-06-6	
Carbon disulfide	ND	ug/L	4000	710	2000		08/28/24 20:22	75-15-0	
Carbon tetrachloride	ND	ug/L	2000	666	2000		08/28/24 20:22	56-23-5	
Chlorobenzene	ND	ug/L	2000	568	2000		08/28/24 20:22	108-90-7	
Chloroethane	ND	ug/L	2000	1300	2000		08/28/24 20:22	75-00-3	
Chloroform	ND	ug/L	2000	860	2000		08/28/24 20:22	67-66-3	
Chloromethane	ND	ug/L	2000	1080	2000		08/28/24 20:22	74-87-3	
2-Chlorotoluene	ND	ug/L	2000	642	2000		08/28/24 20:22	95-49-8	
4-Chlorotoluene	ND	ug/L	2000	648	2000		08/28/24 20:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	680	2000		08/28/24 20:22	96-12-8	
Dibromochloromethane	ND	ug/L	2000	718	2000		08/28/24 20:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2000	544	2000		08/28/24 20:22	106-93-4	
Dibromomethane	ND	ug/L	2000	788	2000		08/28/24 20:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2000	678	2000		08/28/24 20:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2000	680	2000		08/28/24 20:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2000	666	2000		08/28/24 20:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2000	692	2000		08/28/24 20:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	2000	734	2000		08/28/24 20:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	2000	644	2000		08/28/24 20:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	2000	696	2000		08/28/24 20:22	75-35-4	
cis-1,2-Dichloroethene	17700	ug/L	2000	768	2000		08/28/24 20:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2000	792	2000		08/28/24 20:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	2000	710	2000		08/28/24 20:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	2000	568	2000		08/28/24 20:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	2000	776	2000		08/28/24 20:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	2000	854	2000		08/28/24 20:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2000	730	2000		08/28/24 20:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2000	726	2000		08/28/24 20:22	10061-02-6	
Diisopropyl ether	ND	ug/L	2000	616	2000		08/28/24 20:22	108-20-3	
Ethylbenzene	ND	ug/L	2000	608	2000		08/28/24 20:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20000	6480	2000		08/28/24 20:22	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	4000	3060	2000		08/28/24 20:22	87-68-3	
n-Hexane	ND	ug/L	2000	1640	2000		08/28/24 20:22	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: AW-28		Lab ID: 92749616051		Collected: 08/21/24 18:46		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	10000	952	2000		08/28/24 20:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2000	666	2000		08/28/24 20:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	2000	828	2000		08/28/24 20:22	99-87-6	
Methylene Chloride	ND	ug/L	10000	3900	2000		08/28/24 20:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10000	5420	2000		08/28/24 20:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2000	844	2000		08/28/24 20:22	1634-04-4	
Naphthalene	ND	ug/L	2000	1290	2000		08/28/24 20:22	91-20-3	
n-Propylbenzene	ND	ug/L	2000	680	2000		08/28/24 20:22	103-65-1	
Styrene	ND	ug/L	2000	584	2000		08/28/24 20:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	622	2000		08/28/24 20:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	450	2000		08/28/24 20:22	79-34-5	
Tetrachloroethene	ND	ug/L	2000	584	2000		08/28/24 20:22	127-18-4	
Toluene	ND	ug/L	2000	478	2000		08/28/24 20:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2000	1610	2000		08/28/24 20:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2000	1280	2000		08/28/24 20:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2000	664	2000		08/28/24 20:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2000	650	2000		08/28/24 20:22	79-00-5	
Trichloroethene	244000	ug/L	2000	766	2000		08/28/24 20:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	2000	596	2000		08/28/24 20:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2000	522	2000		08/28/24 20:22	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	2000	664	2000		08/28/24 20:22	108-67-8	
Vinyl acetate	ND	ug/L	4000	2620	2000		08/28/24 20:22	108-05-4	
Vinyl chloride	ND	ug/L	2000	772	2000		08/28/24 20:22	75-01-4	
Xylene (Total)	ND	ug/L	2000	676	2000		08/28/24 20:22	1330-20-7	
m&p-Xylene	ND	ug/L	4000	1420	2000		08/28/24 20:22	179601-23-1	
o-Xylene	ND	ug/L	2000	676	2000		08/28/24 20:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		2000		08/28/24 20:22	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		2000		08/28/24 20:22	17060-07-0	
Toluene-d8 (S)	99	%	70-130		2000		08/28/24 20:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: DUP-01		Lab ID: 92749616052		Collected: 08/21/24 12:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	62500	12800	2500		08/28/24 19:27	67-64-1	
Acrolein	ND	ug/L	25000	21200	2500		08/28/24 19:27	107-02-8	
Acrylonitrile	ND	ug/L	25000	4620	2500		08/28/24 19:27	107-13-1	
Benzene	ND	ug/L	2500	862	2500		08/28/24 19:27	71-43-2	
Bromobenzene	ND	ug/L	2500	725	2500		08/28/24 19:27	108-86-1	
Bromochloromethane	ND	ug/L	2500	1170	2500		08/28/24 19:27	74-97-5	
Bromodichloromethane	ND	ug/L	2500	768	2500		08/28/24 19:27	75-27-4	
Bromoform	ND	ug/L	2500	852	2500		08/28/24 19:27	75-25-2	
Bromomethane	ND	ug/L	5000	4150	2500		08/28/24 19:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	12500	9900	2500		08/28/24 19:27	78-93-3	
n-Butylbenzene	ND	ug/L	2500	1220	2500		08/28/24 19:27	104-51-8	
sec-Butylbenzene	ND	ug/L	2500	1000	2500		08/28/24 19:27	135-98-8	
tert-Butylbenzene	ND	ug/L	2500	808	2500		08/28/24 19:27	98-06-6	
Carbon disulfide	ND	ug/L	5000	888	2500		08/28/24 19:27	75-15-0	
Carbon tetrachloride	ND	ug/L	2500	832	2500		08/28/24 19:27	56-23-5	
Chlorobenzene	ND	ug/L	2500	710	2500		08/28/24 19:27	108-90-7	
Chloroethane	ND	ug/L	2500	1620	2500		08/28/24 19:27	75-00-3	
Chloroform	ND	ug/L	2500	1080	2500		08/28/24 19:27	67-66-3	
Chloromethane	ND	ug/L	2500	1350	2500		08/28/24 19:27	74-87-3	
2-Chlorotoluene	ND	ug/L	2500	802	2500		08/28/24 19:27	95-49-8	
4-Chlorotoluene	ND	ug/L	2500	810	2500		08/28/24 19:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5000	850	2500		08/28/24 19:27	96-12-8	
Dibromochloromethane	ND	ug/L	2500	898	2500		08/28/24 19:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2500	680	2500		08/28/24 19:27	106-93-4	
Dibromomethane	ND	ug/L	2500	985	2500		08/28/24 19:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2500	848	2500		08/28/24 19:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2500	850	2500		08/28/24 19:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2500	832	2500		08/28/24 19:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2500	865	2500		08/28/24 19:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	2500	918	2500		08/28/24 19:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	2500	805	2500		08/28/24 19:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	2500	870	2500		08/28/24 19:27	75-35-4	
cis-1,2-Dichloroethene	19300	ug/L	2500	960	2500		08/28/24 19:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2500	990	2500		08/28/24 19:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	2500	888	2500		08/28/24 19:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	2500	710	2500		08/28/24 19:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	2500	970	2500		08/28/24 19:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	2500	1070	2500		08/28/24 19:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2500	912	2500		08/28/24 19:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2500	908	2500		08/28/24 19:27	10061-02-6	
Diisopropyl ether	ND	ug/L	2500	770	2500		08/28/24 19:27	108-20-3	
Ethylbenzene	ND	ug/L	2500	760	2500		08/28/24 19:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25000	8100	2500		08/28/24 19:27	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	5000	3820	2500		08/28/24 19:27	87-68-3	
n-Hexane	ND	ug/L	2500	2050	2500		08/28/24 19:27	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: DUP-01		Lab ID: 92749616052		Collected: 08/21/24 12:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	12500	1190	2500		08/28/24 19:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2500	832	2500		08/28/24 19:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	2500	1040	2500		08/28/24 19:27	99-87-6	
Methylene Chloride	ND	ug/L	12500	4880	2500		08/28/24 19:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12500	6780	2500		08/28/24 19:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2500	1060	2500		08/28/24 19:27	1634-04-4	
Naphthalene	ND	ug/L	2500	1610	2500		08/28/24 19:27	91-20-3	
n-Propylbenzene	ND	ug/L	2500	850	2500		08/28/24 19:27	103-65-1	
Styrene	ND	ug/L	2500	730	2500		08/28/24 19:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2500	778	2500		08/28/24 19:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2500	562	2500		08/28/24 19:27	79-34-5	
Tetrachloroethene	ND	ug/L	2500	730	2500		08/28/24 19:27	127-18-4	
Toluene	ND	ug/L	2500	598	2500		08/28/24 19:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2500	2020	2500		08/28/24 19:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2500	1600	2500		08/28/24 19:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2500	830	2500		08/28/24 19:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2500	812	2500		08/28/24 19:27	79-00-5	
Trichloroethene	427000	ug/L	2500	958	2500		08/28/24 19:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	2500	745	2500		08/28/24 19:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2500	652	2500		08/28/24 19:27	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	2500	830	2500		08/28/24 19:27	108-67-8	
Vinyl acetate	ND	ug/L	5000	3280	2500		08/28/24 19:27	108-05-4	
Vinyl chloride	ND	ug/L	2500	965	2500		08/28/24 19:27	75-01-4	
Xylene (Total)	ND	ug/L	2500	845	2500		08/28/24 19:27	1330-20-7	
m&p-Xylene	ND	ug/L	5000	1770	2500		08/28/24 19:27	179601-23-1	
o-Xylene	ND	ug/L	2500	845	2500		08/28/24 19:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		2500		08/28/24 19:27	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		2500		08/28/24 19:27	17060-07-0	
Toluene-d8 (S)	99	%	70-130		2500		08/28/24 19:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: IDW-1 Lab ID: 92749616053 Collected: 08/23/24 10:30 Received: 08/24/24 12:00 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
8260D MSV TCLP									
Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 09/04/24 11:52									
Pace Analytical Services - Charlotte									
Benzene	ND	ug/L	100	59.8	20		09/05/24 14:13	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	158	20		09/05/24 14:13	78-93-3	
Carbon tetrachloride	ND	ug/L	100	44.2	20		09/05/24 14:13	56-23-5	
Chlorobenzene	ND	ug/L	100	36.0	20		09/05/24 14:13	108-90-7	
Chloroform	ND	ug/L	100	56.2	20		09/05/24 14:13	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	100	38.2	20		09/05/24 14:13	106-46-7	
1,2-Dichloroethane	ND	ug/L	100	26.0	20		09/05/24 14:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	43.0	20		09/05/24 14:13	75-35-4	
Tetrachloroethene	ND	ug/L	100	35.6	20		09/05/24 14:13	127-18-4	
Trichloroethene	ND	ug/L	100	37.0	20		09/05/24 14:13	79-01-6	
Vinyl chloride	ND	ug/L	100	36.2	20		09/05/24 14:13	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	70-130		20		09/05/24 14:13	17060-07-0	
Toluene-d8 (S)	107	%	70-130		20		09/05/24 14:13	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		20		09/05/24 14:13	460-00-4	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: IDW-2 Lab ID: 92749616054 Collected: 08/23/24 10:50 Received: 08/24/24 12:00 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
8260D MSV TCLP									
Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 09/04/24 11:52									
Pace Analytical Services - Charlotte									
Benzene	ND	ug/L	100	59.8	20		09/05/24 14:30	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	158	20		09/05/24 14:30	78-93-3	
Carbon tetrachloride	ND	ug/L	100	44.2	20		09/05/24 14:30	56-23-5	
Chlorobenzene	ND	ug/L	100	36.0	20		09/05/24 14:30	108-90-7	
Chloroform	ND	ug/L	100	56.2	20		09/05/24 14:30	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	100	38.2	20		09/05/24 14:30	106-46-7	
1,2-Dichloroethane	ND	ug/L	100	26.0	20		09/05/24 14:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	43.0	20		09/05/24 14:30	75-35-4	
Tetrachloroethene	ND	ug/L	100	35.6	20		09/05/24 14:30	127-18-4	
Trichloroethene	ND	ug/L	100	37.0	20		09/05/24 14:30	79-01-6	
Vinyl chloride	ND	ug/L	100	36.2	20		09/05/24 14:30	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	107	%	70-130		20		09/05/24 14:30	17060-07-0	
Toluene-d8 (S)	110	%	70-130		20		09/05/24 14:30	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		20		09/05/24 14:30	460-00-4	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: EB-1		Lab ID: 92749616055		Collected: 08/23/24 11:20		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	5.1	1		08/29/24 23:00	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		08/29/24 23:00	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		08/29/24 23:00	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		08/29/24 23:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/29/24 23:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/29/24 23:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/29/24 23:00	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/29/24 23:00	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/29/24 23:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/29/24 23:00	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.49	1		08/29/24 23:00	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.40	1		08/29/24 23:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.32	1		08/29/24 23:00	98-06-6	
Carbon disulfide	ND	ug/L	2.0	0.36	1		08/29/24 23:00	75-15-0	v2
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/29/24 23:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/29/24 23:00	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/29/24 23:00	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		08/29/24 23:00	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/29/24 23:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/29/24 23:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/29/24 23:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/29/24 23:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/29/24 23:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/29/24 23:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/29/24 23:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/29/24 23:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/29/24 23:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/29/24 23:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/29/24 23:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/29/24 23:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/29/24 23:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/29/24 23:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/29/24 23:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/29/24 23:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/29/24 23:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/29/24 23:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/29/24 23:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/29/24 23:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/29/24 23:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/29/24 23:00	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/29/24 23:00	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/29/24 23:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		08/29/24 23:00	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/29/24 23:00	87-68-3	
n-Hexane	ND	ug/L	1.0	0.82	1		08/29/24 23:00	110-54-3	

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: EB-1 Lab ID: 92749616055 Collected: 08/23/24 11:20 Received: 08/24/24 12:00 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
2-Hexanone	ND	ug/L	5.0	0.48	1		08/29/24 23:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		08/29/24 23:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/29/24 23:00	99-87-6	
Methylene Chloride	2.8J	ug/L	5.0	2.0	1		08/29/24 23:00	75-09-2	C0,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/29/24 23:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/29/24 23:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/29/24 23:00	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.34	1		08/29/24 23:00	103-65-1	
Styrene	ND	ug/L	1.0	0.29	1		08/29/24 23:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/29/24 23:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/29/24 23:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/29/24 23:00	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		08/29/24 23:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/29/24 23:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/29/24 23:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/29/24 23:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/29/24 23:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		08/29/24 23:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/29/24 23:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/29/24 23:00	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		08/29/24 23:00	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/29/24 23:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/29/24 23:00	75-01-4	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/29/24 23:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/29/24 23:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/29/24 23:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		08/29/24 23:00	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		08/29/24 23:00	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/29/24 23:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Sample: TRIP BLANK		Lab ID: 92749616056		Collected: 08/23/24 00:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	5.1	1		09/04/24 15:12	67-64-1	AC
Acrolein	ND	ug/L	10.0	8.5	1		09/04/24 15:12	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		09/04/24 15:12	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		09/04/24 15:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		09/04/24 15:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		09/04/24 15:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		09/04/24 15:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		09/04/24 15:12	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		09/04/24 15:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		09/04/24 15:12	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.49	1		09/04/24 15:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.40	1		09/04/24 15:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.32	1		09/04/24 15:12	98-06-6	
Carbon disulfide	ND	ug/L	2.0	0.36	1		09/04/24 15:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		09/04/24 15:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		09/04/24 15:12	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/04/24 15:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		09/04/24 15:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/04/24 15:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		09/04/24 15:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		09/04/24 15:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		09/04/24 15:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		09/04/24 15:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		09/04/24 15:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		09/04/24 15:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		09/04/24 15:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		09/04/24 15:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/04/24 15:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		09/04/24 15:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		09/04/24 15:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/04/24 15:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		09/04/24 15:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		09/04/24 15:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		09/04/24 15:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		09/04/24 15:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		09/04/24 15:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		09/04/24 15:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		09/04/24 15:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/24 15:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/24 15:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/04/24 15:12	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/04/24 15:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/04/24 15:12	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/04/24 15:12	87-68-3	
n-Hexane	ND	ug/L	1.0	0.82	1		09/04/24 15:12	110-54-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Sample: TRIP BLANK		Lab ID: 92749616056		Collected: 08/23/24 00:00		Received: 08/24/24 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
2-Hexanone	ND	ug/L	5.0	0.48	1		09/04/24 15:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		09/04/24 15:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		09/04/24 15:12	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		09/04/24 15:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		09/04/24 15:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/04/24 15:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/04/24 15:12	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.34	1		09/04/24 15:12	103-65-1	
Styrene	ND	ug/L	1.0	0.29	1		09/04/24 15:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		09/04/24 15:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/24 15:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		09/04/24 15:12	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		09/04/24 15:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		09/04/24 15:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		09/04/24 15:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		09/04/24 15:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		09/04/24 15:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		09/04/24 15:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/04/24 15:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		09/04/24 15:12	96-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		09/04/24 15:12	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		09/04/24 15:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/04/24 15:12	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/04/24 15:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		09/04/24 15:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		09/04/24 15:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/04/24 15:12	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		09/04/24 15:12	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/04/24 15:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

QC Batch: 880045 Analysis Method: EPA 8260D
QC Batch Method: EPA 5035A/5030B Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92749616001, 92749616002, 92749616003, 92749616004, 92749616005, 92749616006, 92749616007, 92749616008, 92749616009, 92749616010, 92749616011, 92749616012, 92749616013, 92749616014, 92749616015

METHOD BLANK: 4532586 Matrix: Solid
Associated Lab Samples: 92749616001, 92749616002, 92749616003, 92749616004, 92749616005, 92749616006, 92749616007, 92749616008, 92749616009, 92749616010, 92749616011, 92749616012, 92749616013, 92749616014, 92749616015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/04/24 12:00	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/04/24 12:00	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/04/24 12:00	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/04/24 12:00	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/04/24 12:00	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/04/24 12:00	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/04/24 12:00	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/04/24 12:00	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/04/24 12:00	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/04/24 12:00	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/04/24 12:00	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/04/24 12:00	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/04/24 12:00	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/04/24 12:00	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/04/24 12:00	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/04/24 12:00	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/04/24 12:00	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/04/24 12:00	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/04/24 12:00	
2,2-Dichloropropane	ug/kg	ND	5.0	3.8	09/04/24 12:00	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/04/24 12:00	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/04/24 12:00	
2-Hexanone	ug/kg	ND	50.0	4.8	09/04/24 12:00	
4-Chlorotoluene	ug/kg	ND	5.0	2.8	09/04/24 12:00	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/04/24 12:00	
Acetone	ug/kg	ND	100	32.1	09/04/24 12:00	
Acrolein	ug/kg	ND	100	30.5	09/04/24 12:00	
Acrylonitrile	ug/kg	ND	100	17.4	09/04/24 12:00	
Benzene	ug/kg	ND	5.0	2.0	09/04/24 12:00	
Bromobenzene	ug/kg	ND	5.0	1.6	09/04/24 12:00	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/04/24 12:00	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/04/24 12:00	
Bromoform	ug/kg	ND	5.0	1.8	09/04/24 12:00	
Bromomethane	ug/kg	ND	20.0	15.5	09/04/24 12:00	v1
Carbon disulfide	ug/kg	ND	10.0	6.3	09/04/24 12:00	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/04/24 12:00	
Chlorobenzene	ug/kg	ND	5.0	2.9	09/04/24 12:00	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

METHOD BLANK: 4532586

Matrix: Solid

Associated Lab Samples: 92749616001, 92749616002, 92749616003, 92749616004, 92749616005, 92749616006, 92749616007, 92749616008, 92749616009, 92749616010, 92749616011, 92749616012, 92749616013, 92749616014, 92749616015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroethane	ug/kg	ND	10.0	3.9	09/04/24 12:00	
Chloroform	ug/kg	ND	5.0	4.2	09/04/24 12:00	
Chloromethane	ug/kg	ND	10.0	4.2	09/04/24 12:00	v1
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/04/24 12:00	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/04/24 12:00	
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/04/24 12:00	
Dibromomethane	ug/kg	ND	5.0	1.1	09/04/24 12:00	
Dichlorodifluoromethane	ug/kg	ND	10.0	5.1	09/04/24 12:00	IH,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/04/24 12:00	
Ethyl-tert-butyl ether	ug/kg	ND	10.0	3.0	09/04/24 12:00	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/04/24 12:00	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/04/24 12:00	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/04/24 12:00	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/04/24 12:00	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/04/24 12:00	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/04/24 12:00	v1
n-Butylbenzene	ug/kg	ND	5.0	3.2	09/04/24 12:00	
n-Hexane	ug/kg	ND	5.0	1.6	09/04/24 12:00	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/04/24 12:00	
Naphthalene	ug/kg	ND	5.0	2.6	09/04/24 12:00	
o-Xylene	ug/kg	ND	5.0	2.2	09/04/24 12:00	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/04/24 12:00	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/04/24 12:00	
Styrene	ug/kg	ND	5.0	1.3	09/04/24 12:00	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/04/24 12:00	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/04/24 12:00	
Toluene	ug/kg	ND	5.0	3.4	09/04/24 12:00	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	4.2	09/04/24 12:00	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/04/24 12:00	
Trichloroethene	ug/kg	ND	5.0	4.0	09/04/24 12:00	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/04/24 12:00	
Vinyl acetate	ug/kg	ND	50.0	10.3	09/04/24 12:00	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/04/24 12:00	v1
Xylene (Total)	ug/kg	ND	10.0	2.8	09/04/24 12:00	
1,2-Dichloroethane-d4 (S)	%	126	70-130		09/04/24 12:00	
4-Bromofluorobenzene (S)	%	98	70-130		09/04/24 12:00	
Toluene-d8 (S)	%	102	70-130		09/04/24 12:00	

LABORATORY CONTROL SAMPLE: 4532587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	500	490	98	70-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4532587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	500	521	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	500	492	98	70-130	
1,1,2-Trichloroethane	ug/kg	500	479	96	70-130	
1,1-Dichloroethane	ug/kg	500	573	115	70-130	
1,1-Dichloroethene	ug/kg	500	607	121	70-132	
1,1-Dichloropropene	ug/kg	500	546	109	70-130	
1,2,3-Trichlorobenzene	ug/kg	500	497	99	62-136	
1,2,3-Trichloropropane	ug/kg	500	483	97	70-130	
1,2,4-Trichlorobenzene	ug/kg	500	429	86	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	500	482	96	65-130	
1,2-Dibromoethane (EDB)	ug/kg	500	487	97	70-130	
1,2-Dichlorobenzene	ug/kg	500	457	91	70-130	
1,2-Dichloroethane	ug/kg	500	556	111	70-130	
1,2-Dichloropropane	ug/kg	500	500	100	70-130	
1,3,5-Trimethylbenzene	ug/kg	500	468	94	70-130	
1,3-Dichlorobenzene	ug/kg	500	505	101	70-130	
1,3-Dichloropropane	ug/kg	500	512	102	70-130	
1,4-Dichlorobenzene	ug/kg	500	444	89	70-130	
2,2-Dichloropropane	ug/kg	500	440	88	60-130	
2-Butanone (MEK)	ug/kg	1000	1100	110	66-130	
2-Chlorotoluene	ug/kg	500	478	96	70-130	
2-Hexanone	ug/kg	1000	1070	107	68-130	
4-Chlorotoluene	ug/kg	500	484	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	1010	101	70-130	
Acetone	ug/kg	1000	1060	106	60-130	
Acrolein	ug/kg	2500	2290	92	28-164	
Acrylonitrile	ug/kg	2500	2680	107	70-130	
Benzene	ug/kg	500	479	96	70-130	
Bromobenzene	ug/kg	500	462	92	70-130	
Bromochloromethane	ug/kg	500	548	110	70-130	
Bromodichloromethane	ug/kg	500	485	97	70-130	
Bromoform	ug/kg	500	472	94	70-130	
Bromomethane	ug/kg	500	705	141	43-175 v1	
Carbon disulfide	ug/kg	500	552	110	70-130	
Carbon tetrachloride	ug/kg	500	473	95	70-130	
Chlorobenzene	ug/kg	500	477	95	70-130	
Chloroethane	ug/kg	500	564	113	70-145	
Chloroform	ug/kg	500	536	107	70-130	
Chloromethane	ug/kg	500	618	124	66-146 v1	
cis-1,2-Dichloroethene	ug/kg	500	551	110	70-130	
cis-1,3-Dichloropropene	ug/kg	500	456	91	70-130	
Dibromochloromethane	ug/kg	500	493	99	70-130	
Dibromomethane	ug/kg	500	461	92	70-130	
Dichlorodifluoromethane	ug/kg	500	695	139	42-197 IH,v1	
Diisopropyl ether	ug/kg	500	556	111	68-130	
Ethyl-tert-butyl ether	ug/kg	1000	1080	108	70-130	
Ethylbenzene	ug/kg	500	476	95	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4532587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	500	409	82	70-130	
Isopropylbenzene (Cumene)	ug/kg	500	471	94	70-130	
m&p-Xylene	ug/kg	1000	956	96	70-130	
Methyl-tert-butyl ether	ug/kg	500	514	103	70-130	
Methylene Chloride	ug/kg	500	628	126	65-130 v1	
n-Butylbenzene	ug/kg	500	448	90	70-130	
n-Hexane	ug/kg	500	499	100	70-130	
n-Propylbenzene	ug/kg	500	487	97	70-130	
Naphthalene	ug/kg	500	472	94	65-135	
o-Xylene	ug/kg	500	476	95	70-130	
p-Isopropyltoluene	ug/kg	500	464	93	70-130	
sec-Butylbenzene	ug/kg	500	480	96	70-130	
Styrene	ug/kg	500	488	98	70-130	
tert-Butylbenzene	ug/kg	500	485	97	70-130	
Tetrachloroethene	ug/kg	500	447	89	70-130	
Toluene	ug/kg	500	467	93	70-130	
trans-1,2-Dichloroethene	ug/kg	500	549	110	70-130	
trans-1,3-Dichloropropene	ug/kg	500	459	92	70-130	
Trichloroethene	ug/kg	500	472	94	70-130	
Trichlorofluoromethane	ug/kg	500	537	107	62-140	
Vinyl acetate	ug/kg	1000	1190	119	70-140	
Vinyl chloride	ug/kg	500	647	129	70-152 v1	
Xylene (Total)	ug/kg	1500	1430	95	70-130	
1,2-Dichloroethane-d4 (S)	%			117	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4532588

Parameter	Units	92749616001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	648	702	108	22-166	
1,1,1-Trichloroethane	ug/kg	ND	648	783	121	23-172	
1,1,2,2-Tetrachloroethane	ug/kg	ND	648	672	104	21-158	
1,1,2-Trichloroethane	ug/kg	ND	648	697	108	25-160	
1,1-Dichloroethane	ug/kg	ND	648	827	128	22-166	
1,1-Dichloroethene	ug/kg	ND	648	928	143	18-183	
1,1-Dichloropropene	ug/kg	ND	648	786	121	20-181	
1,2,3-Trichlorobenzene	ug/kg	ND	648	627	97	10-161	
1,2,3-Trichloropropane	ug/kg	ND	648	645	100	21-147	
1,2,4-Trichlorobenzene	ug/kg	ND	648	631	97	10-159	
1,2-Dibromo-3-chloropropane	ug/kg	ND	648	642	99	10-135	
1,2-Dibromoethane (EDB)	ug/kg	ND	648	675	104	30-154	
1,2-Dichlorobenzene	ug/kg	ND	648	690	107	26-162	
1,2-Dichloroethane	ug/kg	ND	648	744	115	23-161	
1,2-Dichloropropane	ug/kg	ND	648	761	117	29-165	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE SAMPLE: 4532588

Parameter	Units	92749616001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/kg	ND	648	725	112	20-172	
1,3-Dichlorobenzene	ug/kg	ND	648	769	119	22-164	
1,3-Dichloropropane	ug/kg	ND	648	727	112	27-156	
1,4-Dichlorobenzene	ug/kg	ND	648	696	107	20-161	
2,2-Dichloropropane	ug/kg	ND	648	607	94	10-159	
2-Butanone (MEK)	ug/kg	ND	1300	1430	110	13-143	
2-Chlorotoluene	ug/kg	ND	648	723	112	21-166	
2-Hexanone	ug/kg	ND	1300	1330	102	19-145	
4-Chlorotoluene	ug/kg	ND	648	733	113	19-163	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1300	1330	103	21-151	
Acetone	ug/kg	ND	1300	1180	91	10-133	
Acrolein	ug/kg	ND	3240	3840	119	70-130	
Acrylonitrile	ug/kg	ND	3240	3250	100	24-153	
Benzene	ug/kg	ND	648	723	112	29-156	
Bromobenzene	ug/kg	ND	648	690	106	25-161	
Bromochloromethane	ug/kg	ND	648	802	124	27-158	
Bromodichloromethane	ug/kg	ND	648	699	108	23-158	
Bromoform	ug/kg	ND	648	640	99	19-152	
Bromomethane	ug/kg	ND	648	239	37	10-152	v1
Carbon disulfide	ug/kg	ND	648	807	125	27-169	
Carbon tetrachloride	ug/kg	ND	648	740	114	18-172	
Chlorobenzene	ug/kg	ND	648	719	111	26-166	
Chloroethane	ug/kg	ND	648	212	33	10-130	
Chloroform	ug/kg	ND	648	770	119	25-161	
Chloromethane	ug/kg	ND	648	1020	157	27-197	v1
cis-1,2-Dichloroethene	ug/kg	ND	648	769	119	28-165	
cis-1,3-Dichloropropene	ug/kg	ND	648	667	103	23-159	
Dibromochloromethane	ug/kg	ND	648	673	104	21-151	
Dibromomethane	ug/kg	ND	648	694	107	38-158	
Dichlorodifluoromethane	ug/kg	ND	648	1180	182	10-200	IH,v1
Diisopropyl ether	ug/kg	ND	648	793	122	23-160	
Ethyl-tert-butyl ether	ug/kg	ND	1300	1510	116	70-130	
Ethylbenzene	ug/kg	ND	648	717	111	22-163	
Hexachloro-1,3-butadiene	ug/kg	ND	648	715	110	10-192	
Isopropylbenzene (Cumene)	ug/kg	ND	648	748	115	24-173	
m&p-Xylene	ug/kg	ND	1300	1460	112	22-171	
Methyl-tert-butyl ether	ug/kg	ND	648	684	106	25-153	
Methylene Chloride	ug/kg	ND	648	883	136	10-165	v1
n-Butylbenzene	ug/kg	ND	648	737	114	10-186	
n-Hexane	ug/kg	ND	648	565	87	70-130	
n-Propylbenzene	ug/kg	ND	648	748	115	16-171	
Naphthalene	ug/kg	ND	648	564	87	10-159	
o-Xylene	ug/kg	ND	648	726	112	23-171	
p-Isopropyltoluene	ug/kg	ND	648	729	113	13-184	
sec-Butylbenzene	ug/kg	ND	648	758	117	16-182	
Styrene	ug/kg	ND	648	734	113	25-169	
tert-Butylbenzene	ug/kg	ND	648	567	88	20-174	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

MATRIX SPIKE SAMPLE: 4532588

Parameter	Units	92749616001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	ND	648	643	99	14-171	
Toluene	ug/kg	ND	648	726	112	24-166	
trans-1,2-Dichloroethene	ug/kg	ND	648	815	126	24-170	
trans-1,3-Dichloropropene	ug/kg	ND	648	660	102	22-157	
Trichloroethene	ug/kg	276	648	1030	117	23-176	
Trichlorofluoromethane	ug/kg	ND	648	222	34	10-138	
Vinyl acetate	ug/kg	ND	1300	1290	100	11-166	
Vinyl chloride	ug/kg	ND	648	884	136	21-200 v1	
Xylene (Total)	ug/kg	ND	1940	2180	112	23-170	
1,2-Dichloroethane-d4 (S)	%				111	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4532589

Parameter	Units	92749616002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Acrolein	ug/kg	ND	ND		30	
Acrylonitrile	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

SAMPLE DUPLICATE: 4532589

Parameter	Units	92749616002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30 v1	
Carbon disulfide	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30 v1	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30 IH,v1	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethyl-tert-butyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30 v1	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Hexane	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30 v1	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	124	127			
4-Bromofluorobenzene (S)	%	103	101			
Toluene-d8 (S)	%	101	102			

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 880272

Analysis Method: EPA 8260D

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260D 5035A 5030B

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616016, 92749616017, 92749616018, 92749616019, 92749616020, 92749616021

METHOD BLANK: 4533491

Matrix: Solid

Associated Lab Samples: 92749616016, 92749616017, 92749616018, 92749616019, 92749616020, 92749616021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/04/24 11:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/04/24 11:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/04/24 11:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/04/24 11:41	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/04/24 11:41	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/04/24 11:41	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/04/24 11:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/04/24 11:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/04/24 11:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/04/24 11:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/04/24 11:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/04/24 11:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/04/24 11:41	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/04/24 11:41	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/04/24 11:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/04/24 11:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/04/24 11:41	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/04/24 11:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/04/24 11:41	
2,2-Dichloropropane	ug/kg	ND	5.0	3.8	09/04/24 11:41	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/04/24 11:41	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/04/24 11:41	
2-Hexanone	ug/kg	ND	50.0	4.8	09/04/24 11:41	
4-Chlorotoluene	ug/kg	ND	5.0	2.8	09/04/24 11:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/04/24 11:41	
Acetone	ug/kg	ND	100	32.1	09/04/24 11:41	
Acrolein	ug/kg	ND	100	30.5	09/04/24 11:41	
Acrylonitrile	ug/kg	ND	100	17.4	09/04/24 11:41	
Benzene	ug/kg	ND	5.0	2.0	09/04/24 11:41	
Bromobenzene	ug/kg	ND	5.0	1.6	09/04/24 11:41	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/04/24 11:41	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/04/24 11:41	
Bromoform	ug/kg	ND	5.0	1.8	09/04/24 11:41	
Bromomethane	ug/kg	ND	20.0	15.5	09/04/24 11:41	v1
Carbon disulfide	ug/kg	ND	10.0	6.3	09/04/24 11:41	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/04/24 11:41	
Chlorobenzene	ug/kg	ND	5.0	2.9	09/04/24 11:41	
Chloroethane	ug/kg	ND	10.0	3.9	09/04/24 11:41	
Chloroform	ug/kg	ND	5.0	4.2	09/04/24 11:41	
Chloromethane	ug/kg	ND	10.0	4.2	09/04/24 11:41	v1

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

METHOD BLANK: 4533491

Matrix: Solid

Associated Lab Samples: 92749616016, 92749616017, 92749616018, 92749616019, 92749616020, 92749616021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/04/24 11:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/04/24 11:41	
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/04/24 11:41	
Dibromomethane	ug/kg	ND	5.0	1.1	09/04/24 11:41	
Dichlorodifluoromethane	ug/kg	ND	10.0	5.1	09/04/24 11:41	IH,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/04/24 11:41	
Ethyl-tert-butyl ether	ug/kg	ND	10.0	3.0	09/04/24 11:41	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/04/24 11:41	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/04/24 11:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/04/24 11:41	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/04/24 11:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/04/24 11:41	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/04/24 11:41	v1
n-Butylbenzene	ug/kg	ND	5.0	3.2	09/04/24 11:41	
n-Hexane	ug/kg	ND	5.0	1.6	09/04/24 11:41	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/04/24 11:41	
Naphthalene	ug/kg	ND	5.0	2.6	09/04/24 11:41	
o-Xylene	ug/kg	ND	5.0	2.2	09/04/24 11:41	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/04/24 11:41	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/04/24 11:41	
Styrene	ug/kg	ND	5.0	1.3	09/04/24 11:41	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/04/24 11:41	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/04/24 11:41	
Toluene	ug/kg	ND	5.0	3.4	09/04/24 11:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	4.2	09/04/24 11:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/04/24 11:41	
Trichloroethene	ug/kg	ND	5.0	4.0	09/04/24 11:41	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/04/24 11:41	
Vinyl acetate	ug/kg	ND	50.0	10.3	09/04/24 11:41	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/04/24 11:41	v1
Xylene (Total)	ug/kg	ND	10.0	2.8	09/04/24 11:41	
1,2-Dichloroethane-d4 (S)	%	126	70-130		09/04/24 11:41	
4-Bromofluorobenzene (S)	%	98	70-130		09/04/24 11:41	
Toluene-d8 (S)	%	103	70-130		09/04/24 11:41	

LABORATORY CONTROL SAMPLE: 4533492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	500	496	99	70-130	
1,1,1-Trichloroethane	ug/kg	500	522	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	500	524	105	70-130	
1,1,2-Trichloroethane	ug/kg	500	485	97	70-130	
1,1-Dichloroethane	ug/kg	500	578	116	70-130	
1,1-Dichloroethene	ug/kg	500	607	121	70-132	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4533492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/kg	500	542	108	70-130	
1,2,3-Trichlorobenzene	ug/kg	500	504	101	62-136	
1,2,3-Trichloropropane	ug/kg	500	513	103	70-130	
1,2,4-Trichlorobenzene	ug/kg	500	433	87	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	500	505	101	65-130	
1,2-Dibromoethane (EDB)	ug/kg	500	500	100	70-130	
1,2-Dichlorobenzene	ug/kg	500	471	94	70-130	
1,2-Dichloroethane	ug/kg	500	558	112	70-130	
1,2-Dichloropropane	ug/kg	500	512	102	70-130	
1,3,5-Trimethylbenzene	ug/kg	500	477	95	70-130	
1,3-Dichlorobenzene	ug/kg	500	511	102	70-130	
1,3-Dichloropropane	ug/kg	500	524	105	70-130	
1,4-Dichlorobenzene	ug/kg	500	476	95	70-130	
2,2-Dichloropropane	ug/kg	500	439	88	60-130	
2-Butanone (MEK)	ug/kg	1000	1180	118	66-130	
2-Chlorotoluene	ug/kg	500	492	98	70-130	
2-Hexanone	ug/kg	1000	1190	119	68-130	
4-Chlorotoluene	ug/kg	500	501	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	1070	107	70-130	
Acetone	ug/kg	1000	1130	113	60-130	
Acrolein	ug/kg	2500	2390	96	28-164	
Acrylonitrile	ug/kg	2500	2780	111	70-130	
Benzene	ug/kg	500	480	96	70-130	
Bromobenzene	ug/kg	500	478	96	70-130	
Bromochloromethane	ug/kg	500	557	111	70-130	
Bromodichloromethane	ug/kg	500	492	98	70-130	
Bromoform	ug/kg	500	491	98	70-130	
Bromomethane	ug/kg	500	672	134	43-175 v1	
Carbon disulfide	ug/kg	500	545	109	70-130	
Carbon tetrachloride	ug/kg	500	486	97	70-130	
Chlorobenzene	ug/kg	500	486	97	70-130	
Chloroethane	ug/kg	500	581	116	70-145	
Chloroform	ug/kg	500	532	106	70-130	
Chloromethane	ug/kg	500	614	123	66-146 v1	
cis-1,2-Dichloroethene	ug/kg	500	556	111	70-130	
cis-1,3-Dichloropropene	ug/kg	500	457	91	70-130	
Dibromochloromethane	ug/kg	500	499	100	70-130	
Dibromomethane	ug/kg	500	470	94	70-130	
Dichlorodifluoromethane	ug/kg	500	650	130	42-197 IH,v1	
Diisopropyl ether	ug/kg	500	562	112	68-130	
Ethyl-tert-butyl ether	ug/kg	1000	1090	109	70-130	
Ethylbenzene	ug/kg	500	480	96	70-130	
Hexachloro-1,3-butadiene	ug/kg	500	405	81	70-130	
Isopropylbenzene (Cumene)	ug/kg	500	486	97	70-130	
m&p-Xylene	ug/kg	1000	976	98	70-130	
Methyl-tert-butyl ether	ug/kg	500	516	103	70-130	
Methylene Chloride	ug/kg	500	639	128	65-130 v1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4533492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/kg	500	474	95	70-130	
n-Hexane	ug/kg	500	375	75	70-130	
n-Propylbenzene	ug/kg	500	494	99	70-130	
Naphthalene	ug/kg	500	501	100	65-135	
o-Xylene	ug/kg	500	484	97	70-130	
p-Isopropyltoluene	ug/kg	500	472	94	70-130	
sec-Butylbenzene	ug/kg	500	486	97	70-130	
Styrene	ug/kg	500	499	100	70-130	
tert-Butylbenzene	ug/kg	500	490	98	70-130	
Tetrachloroethene	ug/kg	500	458	92	70-130	
Toluene	ug/kg	500	471	94	70-130	
trans-1,2-Dichloroethene	ug/kg	500	559	112	70-130	
trans-1,3-Dichloropropene	ug/kg	500	472	94	70-130	
Trichloroethene	ug/kg	500	471	94	70-130	
Trichlorofluoromethane	ug/kg	500	511	102	62-140	
Vinyl acetate	ug/kg	1000	1200	120	70-140	
Vinyl chloride	ug/kg	500	652	130	70-152 v1	
Xylene (Total)	ug/kg	1500	1460	97	70-130	
1,2-Dichloroethane-d4 (S)	%			118	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4533493

Parameter	Units	92749616016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	628	530	84	22-166	
1,1,1-Trichloroethane	ug/kg	ND	628	589	94	23-172	
1,1,2,2-Tetrachloroethane	ug/kg	ND	628	514	82	21-158	
1,1,2-Trichloroethane	ug/kg	ND	628	516	82	25-160	
1,1-Dichloroethane	ug/kg	ND	628	622	99	22-166	
1,1-Dichloroethene	ug/kg	ND	628	702	112	18-183	
1,1-Dichloropropene	ug/kg	ND	628	609	97	20-181	
1,2,3-Trichlorobenzene	ug/kg	ND	628	492	78	10-161	
1,2,3-Trichloropropane	ug/kg	ND	628	511	81	21-147	
1,2,4-Trichlorobenzene	ug/kg	ND	628	484	77	10-159	
1,2-Dibromo-3-chloropropane	ug/kg	ND	628	472	75	10-135	
1,2-Dibromoethane (EDB)	ug/kg	ND	628	520	83	30-154	
1,2-Dichlorobenzene	ug/kg	ND	628	521	83	26-162	
1,2-Dichloroethane	ug/kg	ND	628	559	89	23-161	
1,2-Dichloropropane	ug/kg	ND	628	574	91	29-165	
1,3,5-Trimethylbenzene	ug/kg	ND	628	543	86	20-172	
1,3-Dichlorobenzene	ug/kg	ND	628	586	93	22-164	
1,3-Dichloropropane	ug/kg	ND	628	557	89	27-156	
1,4-Dichlorobenzene	ug/kg	ND	628	510	81	20-161	
2,2-Dichloropropane	ug/kg	ND	628	577	92	10-159	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE SAMPLE:		4533493					
Parameter	Units	92749616016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/kg	ND	1260	1060	85	13-143	
2-Chlorotoluene	ug/kg	ND	628	533	85	21-166	
2-Hexanone	ug/kg	ND	1260	988	79	19-145	
4-Chlorotoluene	ug/kg	ND	628	549	87	19-163	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1260	1010	80	21-151	
Acetone	ug/kg	ND	1260	872	69	10-133	
Acrolein	ug/kg	ND	3150	3100	99	70-130	
Acrylonitrile	ug/kg	ND	3150	2520	80	24-153	
Benzene	ug/kg	ND	628	551	88	29-156	
Bromobenzene	ug/kg	ND	628	510	81	25-161	
Bromochloromethane	ug/kg	ND	628	612	97	27-158	
Bromodichloromethane	ug/kg	ND	628	537	85	23-158	
Bromoform	ug/kg	ND	628	486	77	19-152	
Bromomethane	ug/kg	ND	628	200	32	10-152	v1
Carbon disulfide	ug/kg	ND	628	625	99	27-169	
Carbon tetrachloride	ug/kg	ND	628	555	88	18-172	
Chlorobenzene	ug/kg	ND	628	539	86	26-166	
Chloroethane	ug/kg	ND	628	154	24	10-130	
Chloroform	ug/kg	ND	628	580	92	25-161	
Chloromethane	ug/kg	7.3J	628	800	126	27-197	v1
cis-1,2-Dichloroethene	ug/kg	ND	628	579	92	28-165	
cis-1,3-Dichloropropene	ug/kg	ND	628	526	84	23-159	
Dibromochloromethane	ug/kg	ND	628	517	82	21-151	
Dibromomethane	ug/kg	ND	628	524	83	38-158	
Dichlorodifluoromethane	ug/kg	ND	628	911	145	10-200	IH,v1
Diisopropyl ether	ug/kg	ND	628	594	94	23-160	
Ethyl-tert-butyl ether	ug/kg	ND	1260	1120	89	70-130	
Ethylbenzene	ug/kg	ND	628	549	87	22-163	
Hexachloro-1,3-butadiene	ug/kg	ND	628	578	92	10-192	
Isopropylbenzene (Cumene)	ug/kg	ND	628	560	89	24-173	
m&p-Xylene	ug/kg	7.9J	1260	1090	86	22-171	
Methyl-tert-butyl ether	ug/kg	ND	628	523	83	25-153	
Methylene Chloride	ug/kg	ND	628	653	104	10-165	v1
n-Butylbenzene	ug/kg	ND	628	577	92	10-186	
n-Hexane	ug/kg	ND	628	451	72	70-130	
n-Propylbenzene	ug/kg	ND	628	575	91	16-171	
Naphthalene	ug/kg	ND	628	430	68	10-159	
o-Xylene	ug/kg	ND	628	545	87	23-171	
p-Isopropyltoluene	ug/kg	ND	628	554	88	13-184	
sec-Butylbenzene	ug/kg	ND	628	589	94	16-182	
Styrene	ug/kg	ND	628	557	89	25-169	
tert-Butylbenzene	ug/kg	ND	628	431	69	20-174	
Tetrachloroethene	ug/kg	ND	628	473	75	14-171	
Toluene	ug/kg	6.5	628	537	84	24-166	
trans-1,2-Dichloroethene	ug/kg	ND	628	613	98	24-170	
trans-1,3-Dichloropropene	ug/kg	ND	628	521	83	22-157	
Trichloroethene	ug/kg	ND	628	568	90	23-176	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

MATRIX SPIKE SAMPLE: 4533493		92749616016	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Trichlorofluoromethane	ug/kg	ND	628	173	28	10-138	
Vinyl acetate	ug/kg	ND	1260	991	79	11-166	
Vinyl chloride	ug/kg	ND	628	685	109	21-200 v1	
Xylene (Total)	ug/kg	7.9J	1890	1630	86	23-170	
1,2-Dichloroethane-d4 (S)	%				111	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4533494

Parameter	Units	92749616017	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Acrolein	ug/kg	ND	ND		30	
Acrylonitrile	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30 v1	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

SAMPLE DUPLICATE: 4533494

Parameter	Units	92749616017 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30 v1	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30 IH,v1	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethyl-tert-butyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30 v1	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Hexane	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30 v1	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	120	122			
4-Bromofluorobenzene (S)	%	100	100			
Toluene-d8 (S)	%	103	101			

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

QC Batch: 880284 Analysis Method: EPA 8260D
QC Batch Method: EPA 5035A/5030B Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92749616022, 92749616023, 92749616024, 92749616025, 92749616026, 92749616027, 92749616028, 92749616029, 92749616030, 92749616031, 92749616032, 92749616033, 92749616034, 92749616035, 92749616036

METHOD BLANK: 4533541 Matrix: Solid
Associated Lab Samples: 92749616022, 92749616023, 92749616024, 92749616025, 92749616026, 92749616027, 92749616028, 92749616029, 92749616030, 92749616031, 92749616032, 92749616033, 92749616034, 92749616035, 92749616036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/05/24 01:03	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/05/24 01:03	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/05/24 01:03	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/05/24 01:03	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/05/24 01:03	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/05/24 01:03	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/05/24 01:03	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/05/24 01:03	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/05/24 01:03	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/05/24 01:03	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/05/24 01:03	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/05/24 01:03	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/05/24 01:03	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/05/24 01:03	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/05/24 01:03	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/05/24 01:03	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/05/24 01:03	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/05/24 01:03	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/05/24 01:03	
2,2-Dichloropropane	ug/kg	ND	5.0	3.8	09/05/24 01:03	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/05/24 01:03	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/05/24 01:03	
2-Hexanone	ug/kg	ND	50.0	4.8	09/05/24 01:03	
4-Chlorotoluene	ug/kg	ND	5.0	2.8	09/05/24 01:03	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/05/24 01:03	
Acetone	ug/kg	ND	100	32.1	09/05/24 01:03	
Acrolein	ug/kg	ND	100	30.5	09/05/24 01:03	v1
Acrylonitrile	ug/kg	ND	100	17.4	09/05/24 01:03	
Benzene	ug/kg	ND	5.0	2.0	09/05/24 01:03	
Bromobenzene	ug/kg	ND	5.0	1.6	09/05/24 01:03	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/05/24 01:03	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/05/24 01:03	
Bromoform	ug/kg	ND	5.0	1.8	09/05/24 01:03	
Bromomethane	ug/kg	ND	20.0	15.5	09/05/24 01:03	v1
Carbon disulfide	ug/kg	ND	10.0	6.3	09/05/24 01:03	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/05/24 01:03	
Chlorobenzene	ug/kg	ND	5.0	2.9	09/05/24 01:03	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

METHOD BLANK: 4533541

Matrix: Solid

Associated Lab Samples: 92749616022, 92749616023, 92749616024, 92749616025, 92749616026, 92749616027, 92749616028, 92749616029, 92749616030, 92749616031, 92749616032, 92749616033, 92749616034, 92749616035, 92749616036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroethane	ug/kg	ND	10.0	3.9	09/05/24 01:03	
Chloroform	ug/kg	ND	5.0	4.2	09/05/24 01:03	
Chloromethane	ug/kg	ND	10.0	4.2	09/05/24 01:03	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/05/24 01:03	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/05/24 01:03	
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/05/24 01:03	
Dibromomethane	ug/kg	ND	5.0	1.1	09/05/24 01:03	
Dichlorodifluoromethane	ug/kg	ND	10.0	5.1	09/05/24 01:03	IH,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/05/24 01:03	
Ethyl-tert-butyl ether	ug/kg	ND	10.0	3.0	09/05/24 01:03	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/05/24 01:03	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/05/24 01:03	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/05/24 01:03	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/05/24 01:03	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/05/24 01:03	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/05/24 01:03	
n-Butylbenzene	ug/kg	ND	5.0	3.2	09/05/24 01:03	
n-Hexane	ug/kg	ND	5.0	1.6	09/05/24 01:03	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/05/24 01:03	
Naphthalene	ug/kg	ND	5.0	2.6	09/05/24 01:03	
o-Xylene	ug/kg	ND	5.0	2.2	09/05/24 01:03	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/05/24 01:03	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/05/24 01:03	
Styrene	ug/kg	ND	5.0	1.3	09/05/24 01:03	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/05/24 01:03	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/05/24 01:03	
Toluene	ug/kg	ND	5.0	3.4	09/05/24 01:03	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	4.2	09/05/24 01:03	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/05/24 01:03	
Trichloroethene	ug/kg	ND	5.0	4.0	09/05/24 01:03	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/05/24 01:03	
Vinyl acetate	ug/kg	ND	50.0	10.3	09/05/24 01:03	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/05/24 01:03	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/05/24 01:03	
1,2-Dichloroethane-d4 (S)	%	122	70-130		09/05/24 01:03	
4-Bromofluorobenzene (S)	%	99	70-130		09/05/24 01:03	
Toluene-d8 (S)	%	103	70-130		09/05/24 01:03	

LABORATORY CONTROL SAMPLE: 4533542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	500	491	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4533542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	500	504	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	500	482	96	70-130	
1,1,2-Trichloroethane	ug/kg	500	480	96	70-130	
1,1-Dichloroethane	ug/kg	500	563	113	70-130	
1,1-Dichloroethene	ug/kg	500	591	118	70-132	
1,1-Dichloropropene	ug/kg	500	531	106	70-130	
1,2,3-Trichlorobenzene	ug/kg	500	510	102	62-136	
1,2,3-Trichloropropane	ug/kg	500	484	97	70-130	
1,2,4-Trichlorobenzene	ug/kg	500	444	89	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	500	460	92	65-130	
1,2-Dibromoethane (EDB)	ug/kg	500	485	97	70-130	
1,2-Dichlorobenzene	ug/kg	500	463	93	70-130	
1,2-Dichloroethane	ug/kg	500	517	103	70-130	
1,2-Dichloropropane	ug/kg	500	515	103	70-130	
1,3,5-Trimethylbenzene	ug/kg	500	490	98	70-130	
1,3-Dichlorobenzene	ug/kg	500	542	108	70-130	
1,3-Dichloropropane	ug/kg	500	512	102	70-130	
1,4-Dichlorobenzene	ug/kg	500	460	92	70-130	
2,2-Dichloropropane	ug/kg	500	506	101	60-130	
2-Butanone (MEK)	ug/kg	1000	997	100	66-130	
2-Chlorotoluene	ug/kg	500	498	100	70-130	
2-Hexanone	ug/kg	1000	1020	102	68-130	
4-Chlorotoluene	ug/kg	500	505	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	972	97	70-130	
Acetone	ug/kg	1000	925	93	60-130	
Acrolein	ug/kg	2500	2940	118	28-164 v1	
Acrylonitrile	ug/kg	2500	2770	111	70-130	
Benzene	ug/kg	500	494	99	70-130	
Bromobenzene	ug/kg	500	475	95	70-130	
Bromochloromethane	ug/kg	500	539	108	70-130	
Bromodichloromethane	ug/kg	500	486	97	70-130	
Bromoform	ug/kg	500	471	94	70-130	
Bromomethane	ug/kg	500	626	125	43-175 v1	
Carbon disulfide	ug/kg	500	546	109	70-130	
Carbon tetrachloride	ug/kg	500	507	101	70-130	
Chlorobenzene	ug/kg	500	493	99	70-130	
Chloroethane	ug/kg	500	515	103	70-145	
Chloroform	ug/kg	500	514	103	70-130	
Chloromethane	ug/kg	500	601	120	66-146	
cis-1,2-Dichloroethene	ug/kg	500	523	105	70-130	
cis-1,3-Dichloropropene	ug/kg	500	475	95	70-130	
Dibromochloromethane	ug/kg	500	483	97	70-130	
Dibromomethane	ug/kg	500	475	95	70-130	
Dichlorodifluoromethane	ug/kg	500	705	141	42-197 IH,v1	
Diisopropyl ether	ug/kg	500	521	104	68-130	
Ethyl-tert-butyl ether	ug/kg	1000	1020	102	70-130	
Ethylbenzene	ug/kg	500	493	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4533542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	500	440	88	70-130	
Isopropylbenzene (Cumene)	ug/kg	500	493	99	70-130	
m&p-Xylene	ug/kg	1000	994	99	70-130	
Methyl-tert-butyl ether	ug/kg	500	480	96	70-130	
Methylene Chloride	ug/kg	500	557	111	65-130	
n-Butylbenzene	ug/kg	500	489	98	70-130	
n-Hexane	ug/kg	500	495	99	70-130	
n-Propylbenzene	ug/kg	500	511	102	70-130	
Naphthalene	ug/kg	500	468	94	65-135	
o-Xylene	ug/kg	500	495	99	70-130	
p-Isopropyltoluene	ug/kg	500	493	99	70-130	
sec-Butylbenzene	ug/kg	500	509	102	70-130	
Styrene	ug/kg	500	509	102	70-130	
tert-Butylbenzene	ug/kg	500	506	101	70-130	
Tetrachloroethene	ug/kg	500	473	95	70-130	
Toluene	ug/kg	500	480	96	70-130	
trans-1,2-Dichloroethene	ug/kg	500	543	109	70-130	
trans-1,3-Dichloropropene	ug/kg	500	484	97	70-130	
Trichloroethene	ug/kg	500	494	99	70-130	
Trichlorofluoromethane	ug/kg	500	515	103	62-140	
Vinyl acetate	ug/kg	1000	1150	115	70-140	
Vinyl chloride	ug/kg	500	622	124	70-152	
Xylene (Total)	ug/kg	1500	1490	99	70-130	
1,2-Dichloroethane-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4533543

Parameter	Units	92749616022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	855	987	115	22-166	
1,1,1-Trichloroethane	ug/kg	ND	855	1100	129	23-172	
1,1,2,2-Tetrachloroethane	ug/kg	ND	855	958	112	21-158	
1,1,2-Trichloroethane	ug/kg	ND	855	971	114	25-160	
1,1-Dichloroethane	ug/kg	ND	855	1200	140	22-166	
1,1-Dichloroethene	ug/kg	ND	855	1370	161	18-183	
1,1-Dichloropropene	ug/kg	ND	855	1170	137	20-181	
1,2,3-Trichlorobenzene	ug/kg	ND	855	726	85	10-161	
1,2,3-Trichloropropane	ug/kg	ND	855	933	109	21-147	
1,2,4-Trichlorobenzene	ug/kg	ND	855	839	98	10-159	
1,2-Dibromo-3-chloropropane	ug/kg	ND	855	810	95	10-135	
1,2-Dibromoethane (EDB)	ug/kg	ND	855	931	109	30-154	
1,2-Dichlorobenzene	ug/kg	ND	855	978	114	26-162	
1,2-Dichloroethane	ug/kg	ND	855	1080	126	23-161	
1,2-Dichloropropane	ug/kg	ND	855	1110	130	29-165	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE SAMPLE:		4533543	92749616022	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
1,3,5-Trimethylbenzene	ug/kg	ND	855	1040	122	20-172		
1,3-Dichlorobenzene	ug/kg	ND	855	1110	130	22-164		
1,3-Dichloropropane	ug/kg	ND	855	1020	119	27-156		
1,4-Dichlorobenzene	ug/kg	ND	855	947	111	20-161		
2,2-Dichloropropane	ug/kg	ND	855	1000	117	10-159		
2-Butanone (MEK)	ug/kg	ND	1710	1980	116	13-143		
2-Chlorotoluene	ug/kg	ND	855	1050	122	21-166		
2-Hexanone	ug/kg	ND	1710	1810	106	19-145		
4-Chlorotoluene	ug/kg	ND	855	1060	124	19-163		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1710	1850	108	21-151		
Acetone	ug/kg	ND	1710	1530	89	10-133		
Acrolein	ug/kg	ND	4270	5040	118	70-130	v1	
Acrylonitrile	ug/kg	ND	4270	4580	107	24-153		
Benzene	ug/kg	ND	855	1040	121	29-156		
Bromobenzene	ug/kg	ND	855	944	110	25-161		
Bromochloromethane	ug/kg	ND	855	1100	129	27-158		
Bromodichloromethane	ug/kg	ND	855	1010	118	23-158		
Bromoform	ug/kg	ND	855	896	105	19-152		
Bromomethane	ug/kg	ND	855	404	47	10-152	v1	
Carbon disulfide	ug/kg	ND	855	1170	137	27-169		
Carbon tetrachloride	ug/kg	ND	855	1070	125	18-172		
Chlorobenzene	ug/kg	ND	855	1020	119	26-166		
Chloroethane	ug/kg	ND	855	340	40	10-130		
Chloroform	ug/kg	ND	855	1090	128	25-161		
Chloromethane	ug/kg	ND	855	1480	173	27-197		
cis-1,2-Dichloroethene	ug/kg	ND	855	1110	129	28-165		
cis-1,3-Dichloropropene	ug/kg	ND	855	970	113	23-159		
Dibromochloromethane	ug/kg	ND	855	945	111	21-151		
Dibromomethane	ug/kg	ND	855	938	110	38-158		
Dichlorodifluoromethane	ug/kg	ND	855	1680	197	10-200	IH,v1	
Diisopropyl ether	ug/kg	ND	855	1160	136	23-160		
Ethyl-tert-butyl ether	ug/kg	ND	1710	2170	127	70-130		
Ethylbenzene	ug/kg	ND	855	1040	121	22-163		
Hexachloro-1,3-butadiene	ug/kg	ND	855	979	114	10-192		
Isopropylbenzene (Cumene)	ug/kg	ND	855	1080	127	24-173		
m&p-Xylene	ug/kg	ND	1710	2100	123	22-171		
Methyl-tert-butyl ether	ug/kg	ND	855	987	115	25-153		
Methylene Chloride	ug/kg	ND	855	1240	145	10-165		
n-Butylbenzene	ug/kg	ND	855	1090	127	10-186		
n-Hexane	ug/kg	ND	855	822	96	70-130		
n-Propylbenzene	ug/kg	ND	855	1090	127	16-171		
Naphthalene	ug/kg	ND	855	655	77	10-159		
o-Xylene	ug/kg	ND	855	1040	121	23-171		
p-Isopropyltoluene	ug/kg	ND	855	1070	125	13-184		
sec-Butylbenzene	ug/kg	ND	855	1110	130	16-182		
Styrene	ug/kg	ND	855	1040	122	25-169		
tert-Butylbenzene	ug/kg	ND	855	827	97	20-174		

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE SAMPLE: 4533543		92749616022	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Tetrachloroethene	ug/kg	ND	855	895	105	14-171	
Toluene	ug/kg	ND	855	1030	121	24-166	
trans-1,2-Dichloroethene	ug/kg	ND	855	1170	137	24-170	
trans-1,3-Dichloropropene	ug/kg	ND	855	958	112	22-157	
Trichloroethene	ug/kg	ND	855	1120	131	23-176	
Trichlorofluoromethane	ug/kg	ND	855	391	46	10-138	
Vinyl acetate	ug/kg	ND	1710	1950	114	11-166	
Vinyl chloride	ug/kg	ND	855	1270	148	21-200	
Xylene (Total)	ug/kg	ND	2570	3140	122	23-170	
1,2-Dichloroethane-d4 (S)	%				114	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4533544

Parameter	Units	92749616023	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	4.5J	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Acrolein	ug/kg	ND	ND		30 v1	
Acrylonitrile	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

SAMPLE DUPLICATE: 4533544

Parameter	Units	92749616023 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	v1
Carbon disulfide	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	IH,v1
Diisopropyl ether	ug/kg	ND	ND		30	
Ethyl-tert-butyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Hexane	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	119	123			
4-Bromofluorobenzene (S)	%	102	103			
Toluene-d8 (S)	%	102	102			

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 880288

Analysis Method: EPA 8260D

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260D 5035A 5030B

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616037, 92749616038

METHOD BLANK: 4533563

Matrix: Solid

Associated Lab Samples: 92749616037, 92749616038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/05/24 00:44	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/05/24 00:44	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/05/24 00:44	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/05/24 00:44	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/05/24 00:44	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/05/24 00:44	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/05/24 00:44	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/05/24 00:44	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/05/24 00:44	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/05/24 00:44	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/05/24 00:44	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/05/24 00:44	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/05/24 00:44	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/05/24 00:44	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/05/24 00:44	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/05/24 00:44	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/05/24 00:44	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/05/24 00:44	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/05/24 00:44	
2,2-Dichloropropane	ug/kg	ND	5.0	3.8	09/05/24 00:44	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/05/24 00:44	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/05/24 00:44	
2-Hexanone	ug/kg	ND	50.0	4.8	09/05/24 00:44	
4-Chlorotoluene	ug/kg	ND	5.0	2.8	09/05/24 00:44	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/05/24 00:44	
Acetone	ug/kg	ND	100	32.1	09/05/24 00:44	
Acrolein	ug/kg	ND	100	30.5	09/05/24 00:44	v1
Acrylonitrile	ug/kg	ND	100	17.4	09/05/24 00:44	
Benzene	ug/kg	ND	5.0	2.0	09/05/24 00:44	
Bromobenzene	ug/kg	ND	5.0	1.6	09/05/24 00:44	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/05/24 00:44	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/05/24 00:44	
Bromoform	ug/kg	ND	5.0	1.8	09/05/24 00:44	
Bromomethane	ug/kg	ND	20.0	15.5	09/05/24 00:44	v1
Carbon disulfide	ug/kg	ND	10.0	6.3	09/05/24 00:44	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/05/24 00:44	
Chlorobenzene	ug/kg	ND	5.0	2.9	09/05/24 00:44	
Chloroethane	ug/kg	ND	10.0	3.9	09/05/24 00:44	
Chloroform	ug/kg	ND	5.0	4.2	09/05/24 00:44	
Chloromethane	ug/kg	ND	10.0	4.2	09/05/24 00:44	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

METHOD BLANK: 4533563

Matrix: Solid

Associated Lab Samples: 92749616037, 92749616038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/05/24 00:44	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/05/24 00:44	
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/05/24 00:44	
Dibromomethane	ug/kg	ND	5.0	1.1	09/05/24 00:44	
Dichlorodifluoromethane	ug/kg	ND	10.0	5.1	09/05/24 00:44	IH,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/05/24 00:44	
Ethyl-tert-butyl ether	ug/kg	ND	10.0	3.0	09/05/24 00:44	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/05/24 00:44	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/05/24 00:44	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/05/24 00:44	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/05/24 00:44	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/05/24 00:44	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/05/24 00:44	
n-Butylbenzene	ug/kg	ND	5.0	3.2	09/05/24 00:44	
n-Hexane	ug/kg	ND	5.0	1.6	09/05/24 00:44	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/05/24 00:44	
Naphthalene	ug/kg	ND	5.0	2.6	09/05/24 00:44	
o-Xylene	ug/kg	ND	5.0	2.2	09/05/24 00:44	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/05/24 00:44	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/05/24 00:44	
Styrene	ug/kg	ND	5.0	1.3	09/05/24 00:44	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/05/24 00:44	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/05/24 00:44	
Toluene	ug/kg	ND	5.0	3.4	09/05/24 00:44	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	4.2	09/05/24 00:44	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/05/24 00:44	
Trichloroethene	ug/kg	ND	5.0	4.0	09/05/24 00:44	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/05/24 00:44	
Vinyl acetate	ug/kg	ND	50.0	10.3	09/05/24 00:44	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/05/24 00:44	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/05/24 00:44	
1,2-Dichloroethane-d4 (S)	%	121	70-130		09/05/24 00:44	
4-Bromofluorobenzene (S)	%	97	70-130		09/05/24 00:44	
Toluene-d8 (S)	%	103	70-130		09/05/24 00:44	

LABORATORY CONTROL SAMPLE: 4533564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	500	470	94	70-130	
1,1,1-Trichloroethane	ug/kg	500	483	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	500	481	96	70-130	
1,1,2-Trichloroethane	ug/kg	500	463	93	70-130	
1,1-Dichloroethane	ug/kg	500	523	105	70-130	
1,1-Dichloroethene	ug/kg	500	560	112	70-132	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4533564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/kg	500	501	100	70-130	
1,2,3-Trichlorobenzene	ug/kg	500	501	100	62-136	
1,2,3-Trichloropropane	ug/kg	500	479	96	70-130	
1,2,4-Trichlorobenzene	ug/kg	500	432	86	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	500	485	97	65-130	
1,2-Dibromoethane (EDB)	ug/kg	500	480	96	70-130	
1,2-Dichlorobenzene	ug/kg	500	455	91	70-130	
1,2-Dichloroethane	ug/kg	500	497	99	70-130	
1,2-Dichloropropane	ug/kg	500	500	100	70-130	
1,3,5-Trimethylbenzene	ug/kg	500	466	93	70-130	
1,3-Dichlorobenzene	ug/kg	500	504	101	70-130	
1,3-Dichloropropane	ug/kg	500	503	101	70-130	
1,4-Dichlorobenzene	ug/kg	500	457	91	70-130	
2,2-Dichloropropane	ug/kg	500	475	95	60-130	
2-Butanone (MEK)	ug/kg	1000	999	100	66-130	
2-Chlorotoluene	ug/kg	500	478	96	70-130	
2-Hexanone	ug/kg	1000	1030	103	68-130	
4-Chlorotoluene	ug/kg	500	486	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	968	97	70-130	
Acetone	ug/kg	1000	923	92	60-130	
Acrolein	ug/kg	2500	2970	119	28-164 v1	
Acrylonitrile	ug/kg	2500	2540	101	70-130	
Benzene	ug/kg	500	470	94	70-130	
Bromobenzene	ug/kg	500	462	92	70-130	
Bromochloromethane	ug/kg	500	515	103	70-130	
Bromodichloromethane	ug/kg	500	475	95	70-130	
Bromoform	ug/kg	500	465	93	70-130	
Bromomethane	ug/kg	500	607	121	43-175 v1	
Carbon disulfide	ug/kg	500	514	103	70-130	
Carbon tetrachloride	ug/kg	500	481	96	70-130	
Chlorobenzene	ug/kg	500	479	96	70-130	
Chloroethane	ug/kg	500	488	98	70-145	
Chloroform	ug/kg	500	481	96	70-130	
Chloromethane	ug/kg	500	565	113	66-146	
cis-1,2-Dichloroethene	ug/kg	500	500	100	70-130	
cis-1,3-Dichloropropene	ug/kg	500	461	92	70-130	
Dibromochloromethane	ug/kg	500	479	96	70-130	
Dibromomethane	ug/kg	500	468	94	70-130	
Dichlorodifluoromethane	ug/kg	500	671	134	42-197 IH,v1	
Diisopropyl ether	ug/kg	500	506	101	68-130	
Ethyl-tert-butyl ether	ug/kg	1000	982	98	70-130	
Ethylbenzene	ug/kg	500	479	96	70-130	
Hexachloro-1,3-butadiene	ug/kg	500	431	86	70-130	
Isopropylbenzene (Cumene)	ug/kg	500	476	95	70-130	
m&p-Xylene	ug/kg	1000	950	95	70-130	
Methyl-tert-butyl ether	ug/kg	500	463	93	70-130	
Methylene Chloride	ug/kg	500	552	110	65-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4533564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/kg	500	478	96	70-130	
n-Hexane	ug/kg	500	477	95	70-130	
n-Propylbenzene	ug/kg	500	489	98	70-130	
Naphthalene	ug/kg	500	471	94	65-135	
o-Xylene	ug/kg	500	481	96	70-130	
p-Isopropyltoluene	ug/kg	500	476	95	70-130	
sec-Butylbenzene	ug/kg	500	483	97	70-130	
Styrene	ug/kg	500	495	99	70-130	
tert-Butylbenzene	ug/kg	500	485	97	70-130	
Tetrachloroethene	ug/kg	500	454	91	70-130	
Toluene	ug/kg	500	458	92	70-130	
trans-1,2-Dichloroethene	ug/kg	500	506	101	70-130	
trans-1,3-Dichloropropene	ug/kg	500	468	94	70-130	
Trichloroethene	ug/kg	500	481	96	70-130	
Trichlorofluoromethane	ug/kg	500	514	103	62-140	
Vinyl acetate	ug/kg	1000	1130	113	70-140	
Vinyl chloride	ug/kg	500	580	116	70-152	
Xylene (Total)	ug/kg	1500	1430	95	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4533565

Parameter	Units	92749616037 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	722	864	120	22-166	
1,1,1-Trichloroethane	ug/kg	ND	722	965	134	23-172	
1,1,2,2-Tetrachloroethane	ug/kg	ND	722	819	113	21-158	
1,1,2-Trichloroethane	ug/kg	ND	722	843	117	25-160	
1,1-Dichloroethane	ug/kg	ND	722	1060	147	22-166	
1,1-Dichloroethene	ug/kg	ND	722	1180	163	18-183	
1,1-Dichloropropene	ug/kg	ND	722	1030	142	20-181	
1,2,3-Trichlorobenzene	ug/kg	ND	722	602	83	10-161	
1,2,3-Trichloropropane	ug/kg	ND	722	797	110	21-147	
1,2,4-Trichlorobenzene	ug/kg	ND	722	711	98	10-159	
1,2-Dibromo-3-chloropropane	ug/kg	ND	722	679	94	10-135	
1,2-Dibromoethane (EDB)	ug/kg	ND	722	806	112	30-154	
1,2-Dichlorobenzene	ug/kg	ND	722	834	116	26-162	
1,2-Dichloroethane	ug/kg	ND	722	954	132	23-161	
1,2-Dichloropropane	ug/kg	ND	722	952	132	29-165	
1,3,5-Trimethylbenzene	ug/kg	ND	722	886	123	20-172	
1,3-Dichlorobenzene	ug/kg	ND	722	923	128	22-164	
1,3-Dichloropropane	ug/kg	ND	722	881	122	27-156	
1,4-Dichlorobenzene	ug/kg	ND	722	836	116	20-161	
2,2-Dichloropropane	ug/kg	ND	722	909	126	10-159	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE SAMPLE:		4533565					
Parameter	Units	92749616037 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/kg	ND	1440	1730	120	13-143	
2-Chlorotoluene	ug/kg	ND	722	880	122	21-166	
2-Hexanone	ug/kg	ND	1440	1510	105	19-145	
4-Chlorotoluene	ug/kg	ND	722	896	124	19-163	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1440	1580	109	21-151	
Acetone	ug/kg	ND	1440	1310	90	10-133	
Acrolein	ug/kg	ND	3600	4580	127	70-130	v1
Acrylonitrile	ug/kg	ND	3600	3990	111	24-153	
Benzene	ug/kg	ND	722	885	123	29-156	
Bromobenzene	ug/kg	ND	722	825	114	25-161	
Bromochloromethane	ug/kg	ND	722	986	137	27-158	
Bromodichloromethane	ug/kg	ND	722	869	120	23-158	
Bromoform	ug/kg	ND	722	759	105	19-152	
Bromomethane	ug/kg	ND	722	352	49	10-152	v1
Carbon disulfide	ug/kg	ND	722	1050	145	27-169	
Carbon tetrachloride	ug/kg	ND	722	908	126	18-172	
Chlorobenzene	ug/kg	ND	722	869	120	26-166	
Chloroethane	ug/kg	ND	722	347	48	10-130	
Chloroform	ug/kg	ND	722	954	132	25-161	
Chloromethane	ug/kg	ND	722	1300	180	27-197	
cis-1,2-Dichloroethene	ug/kg	ND	722	976	135	28-165	
cis-1,3-Dichloropropene	ug/kg	ND	722	865	120	23-159	
Dibromochloromethane	ug/kg	ND	722	818	113	21-151	
Dibromomethane	ug/kg	ND	722	814	113	38-158	
Dichlorodifluoromethane	ug/kg	ND	722	1450	201	10-200	IH,M1,v1
Diisopropyl ether	ug/kg	ND	722	1030	142	23-160	
Ethyl-tert-butyl ether	ug/kg	ND	1440	1920	133	70-130	M1
Ethylbenzene	ug/kg	ND	722	882	122	22-163	
Hexachloro-1,3-butadiene	ug/kg	ND	722	845	117	10-192	
Isopropylbenzene (Cumene)	ug/kg	ND	722	917	127	24-173	
m&p-Xylene	ug/kg	ND	1440	1810	125	22-171	
Methyl-tert-butyl ether	ug/kg	ND	722	865	120	25-153	
Methylene Chloride	ug/kg	ND	722	1100	153	10-165	
n-Butylbenzene	ug/kg	ND	722	920	128	10-186	
n-Hexane	ug/kg	ND	722	767	106	70-130	
n-Propylbenzene	ug/kg	ND	722	928	129	16-171	
Naphthalene	ug/kg	ND	722	546	76	10-159	
o-Xylene	ug/kg	ND	722	894	124	23-171	
p-Isopropyltoluene	ug/kg	ND	722	908	126	13-184	
sec-Butylbenzene	ug/kg	ND	722	945	131	16-182	
Styrene	ug/kg	ND	722	900	125	25-169	
tert-Butylbenzene	ug/kg	ND	722	690	96	20-174	
Tetrachloroethene	ug/kg	ND	722	758	105	14-171	
Toluene	ug/kg	ND	722	885	123	24-166	
trans-1,2-Dichloroethene	ug/kg	ND	722	1030	142	24-170	
trans-1,3-Dichloropropene	ug/kg	ND	722	854	118	22-157	
Trichloroethene	ug/kg	ND	722	911	126	23-176	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

MATRIX SPIKE SAMPLE: 4533565		92749616037	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Trichlorofluoromethane	ug/kg	ND	722	377	52	10-138	
Vinyl acetate	ug/kg	ND	1440	1800	124	11-166	
Vinyl chloride	ug/kg	ND	722	1100	153	21-200	
Xylene (Total)	ug/kg	ND	2160	2700	125	23-170	
1,2-Dichloroethane-d4 (S)	%				120	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4533566

Parameter	Units	92749616038	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Acrolein	ug/kg	ND	ND		30 v1	
Acrylonitrile	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30 v1	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

SAMPLE DUPLICATE: 4533566

Parameter	Units	92749616038 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	IH,v1
Diisopropyl ether	ug/kg	ND	ND		30	
Ethyl-tert-butyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Hexane	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	120	118			
4-Bromofluorobenzene (S)	%	101	100			
Toluene-d8 (S)	%	103	102			

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 878555

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260D MSV Low Level

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616039, 92749616040

METHOD BLANK: 4524956

Matrix: Water

Associated Lab Samples: 92749616039, 92749616040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/27/24 13:44	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/27/24 13:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/27/24 13:44	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/27/24 13:44	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/27/24 13:44	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/27/24 13:44	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/27/24 13:44	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/27/24 13:44	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/27/24 13:44	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/27/24 13:44	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/27/24 13:44	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/27/24 13:44	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/27/24 13:44	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/27/24 13:44	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/27/24 13:44	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	08/27/24 13:44	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/27/24 13:44	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/27/24 13:44	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/27/24 13:44	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/27/24 13:44	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/27/24 13:44	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/27/24 13:44	
2-Hexanone	ug/L	ND	5.0	0.48	08/27/24 13:44	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/27/24 13:44	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/27/24 13:44	
Acetone	ug/L	ND	25.0	5.1	08/27/24 13:44	
Acrolein	ug/L	ND	10.0	8.5	08/27/24 13:44	
Acrylonitrile	ug/L	ND	10.0	1.8	08/27/24 13:44	
Benzene	ug/L	ND	1.0	0.34	08/27/24 13:44	
Bromobenzene	ug/L	ND	1.0	0.29	08/27/24 13:44	
Bromochloromethane	ug/L	ND	1.0	0.47	08/27/24 13:44	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/27/24 13:44	
Bromoform	ug/L	ND	1.0	0.34	08/27/24 13:44	
Bromomethane	ug/L	ND	2.0	1.7	08/27/24 13:44	
Carbon disulfide	ug/L	ND	2.0	0.36	08/27/24 13:44	
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/27/24 13:44	
Chlorobenzene	ug/L	ND	1.0	0.28	08/27/24 13:44	
Chloroethane	ug/L	ND	1.0	0.65	08/27/24 13:44	
Chloroform	ug/L	ND	1.0	0.43	08/27/24 13:44	
Chloromethane	ug/L	ND	1.0	0.54	08/27/24 13:44	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

METHOD BLANK: 4524956

Matrix: Water

Associated Lab Samples: 92749616039, 92749616040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/27/24 13:44	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/27/24 13:44	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/27/24 13:44	
Dibromomethane	ug/L	ND	1.0	0.39	08/27/24 13:44	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/27/24 13:44	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/27/24 13:44	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/27/24 13:44	
Ethylbenzene	ug/L	ND	1.0	0.30	08/27/24 13:44	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/27/24 13:44	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	08/27/24 13:44	
m&p-Xylene	ug/L	ND	2.0	0.71	08/27/24 13:44	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/27/24 13:44	
Methylene Chloride	ug/L	ND	5.0	2.0	08/27/24 13:44	
n-Butylbenzene	ug/L	ND	1.0	0.49	08/27/24 13:44	
n-Hexane	ug/L	ND	1.0	0.82	08/27/24 13:44	
n-Propylbenzene	ug/L	ND	1.0	0.34	08/27/24 13:44	
Naphthalene	ug/L	ND	1.0	0.64	08/27/24 13:44	
o-Xylene	ug/L	ND	1.0	0.34	08/27/24 13:44	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/27/24 13:44	
sec-Butylbenzene	ug/L	ND	1.0	0.40	08/27/24 13:44	
Styrene	ug/L	ND	1.0	0.29	08/27/24 13:44	
tert-Butylbenzene	ug/L	ND	1.0	0.32	08/27/24 13:44	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/27/24 13:44	
Toluene	ug/L	ND	1.0	0.24	08/27/24 13:44	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/27/24 13:44	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/27/24 13:44	
Trichloroethene	ug/L	ND	1.0	0.38	08/27/24 13:44	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/27/24 13:44	
Vinyl acetate	ug/L	ND	2.0	1.3	08/27/24 13:44	
Vinyl chloride	ug/L	ND	1.0	0.39	08/27/24 13:44	
Xylene (Total)	ug/L	ND	1.0	0.34	08/27/24 13:44	
1,2-Dichloroethane-d4 (S)	%	98	70-130		08/27/24 13:44	
4-Bromofluorobenzene (S)	%	98	70-130		08/27/24 13:44	
Toluene-d8 (S)	%	99	70-130		08/27/24 13:44	

LABORATORY CONTROL SAMPLE: 4524957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.6	108	70-130	
1,1,1-Trichloroethane	ug/L	20	20.5	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.1	105	70-130	
1,1,2-Trichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	20.7	103	69-131	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4524957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	20	20.3	102	70-132	
1,2,3-Trichlorobenzene	ug/L	20	20.6	103	70-132	
1,2,3-Trichloropropane	ug/L	20	21.4	107	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.2	106	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	22.1	111	70-130	
1,2-Dichlorobenzene	ug/L	20	21.4	107	70-130	
1,2-Dichloroethane	ug/L	20	21.1	105	70-130	
1,2-Dichloropropane	ug/L	20	20.7	103	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.9	104	70-130	
1,3-Dichlorobenzene	ug/L	20	21.2	106	70-130	
1,3-Dichloropropane	ug/L	20	21.8	109	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2,2-Dichloropropane	ug/L	20	20.4	102	69-130	
2-Butanone (MEK)	ug/L	40	40.4	101	67-133	
2-Chlorotoluene	ug/L	20	21.3	107	70-130	
2-Hexanone	ug/L	40	43.3	108	70-133	
4-Chlorotoluene	ug/L	20	21.0	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	42.1	105	70-130	
Acetone	ug/L	40	39.7	99	67-130	
Acrolein	ug/L	100	114	114	53-166	
Acrylonitrile	ug/L	100	94.8	95	70-130	
Benzene	ug/L	20	21.2	106	70-130	
Bromobenzene	ug/L	20	20.7	104	70-130	
Bromochloromethane	ug/L	20	20.9	104	70-130	
Bromodichloromethane	ug/L	20	21.3	107	70-130	
Bromoform	ug/L	20	21.3	106	70-133	
Bromomethane	ug/L	20	18.8	94	41-148	
Carbon disulfide	ug/L	20	19.2	96	70-131	
Carbon tetrachloride	ug/L	20	20.9	105	70-130	
Chlorobenzene	ug/L	20	21.7	108	70-130	
Chloroethane	ug/L	20	17.9	89	41-157	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	20.1	100	59-141	
cis-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Dibromochloromethane	ug/L	20	21.6	108	70-130	
Dibromomethane	ug/L	20	21.6	108	70-130	
Dichlorodifluoromethane	ug/L	20	19.2	96	54-147	
Diisopropyl ether	ug/L	20	20.4	102	70-130	
Ethyl-tert-butyl ether	ug/L	40	40.7	102	70-130	
Ethylbenzene	ug/L	20	21.2	106	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.6	103	70-134	
Isopropylbenzene (Cumene)	ug/L	20	21.4	107	70-130	
m&p-Xylene	ug/L	40	43.1	108	70-130	
Methyl-tert-butyl ether	ug/L	20	20.2	101	70-130	
Methylene Chloride	ug/L	20	20.7	104	62-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4524957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	20	20.3	102	70-130	
n-Hexane	ug/L	20	19.3	97	68-135	
n-Propylbenzene	ug/L	20	20.6	103	70-130	
Naphthalene	ug/L	20	21.6	108	70-135	
o-Xylene	ug/L	20	21.7	108	70-130	
p-Isopropyltoluene	ug/L	20	20.5	103	70-130	
sec-Butylbenzene	ug/L	20	20.5	103	70-130	
Styrene	ug/L	20	21.7	108	70-130	
tert-Butylbenzene	ug/L	20	20.7	104	64-130	
Tetrachloroethene	ug/L	20	21.1	106	70-130	
Toluene	ug/L	20	21.0	105	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.7	104	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.5	108	70-130	
Trichloroethene	ug/L	20	21.7	108	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	57-130	
Vinyl acetate	ug/L	40	41.8	104	70-141	
Vinyl chloride	ug/L	20	19.1	95	66-140	
Xylene (Total)	ug/L	60	64.8	108	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4524958 4524959

Parameter	Units	92749616040		MS	MSD	MS	MSD	MS	MSD	% Rec Limits	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	22.5	21.9	112	110	70-146	3	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	21.0	21.3	105	106	70-150	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	22.1	21.4	110	107	66-144	3	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.9	21.4	109	107	70-142	2	30	
1,1-Dichloroethane	ug/L	ND	20	20	21.2	21.0	106	105	68-150	1	30	
1,1-Dichloroethene	ug/L	ND	20	20	22.0	22.0	110	110	64-162	0	30	
1,1-Dichloropropene	ug/L	ND	20	20	21.4	20.9	107	104	70-160	2	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	22.3	21.5	111	108	66-151	3	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	22.1	21.5	111	107	66-144	3	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.8	21.4	109	107	69-147	2	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	23.3	22.8	116	114	62-146	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.2	22.0	111	110	70-143	1	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	22.2	21.5	111	108	70-142	3	30	
1,2-Dichloroethane	ug/L	ND	20	20	21.5	21.3	108	106	68-145	1	30	
1,2-Dichloropropane	ug/L	ND	20	20	22.2	21.6	111	108	70-144	3	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.6	21.0	108	105	70-147	3	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	21.7	21.3	109	106	70-142	2	30	
1,3-Dichloropropane	ug/L	ND	20	20	22.2	22.0	111	110	70-141	1	30	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4524958 4524959											
Parameter	Units	92749616040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	20	20	21.5	21.3	108	106	70-140	1	30
2,2-Dichloropropane	ug/L	ND	20	20	21.5	21.1	107	105	58-160	2	30
2-Butanone (MEK)	ug/L	ND	40	40	43.0	41.6	108	104	57-156	3	30
2-Chlorotoluene	ug/L	ND	20	20	21.9	21.1	109	106	70-148	4	30
2-Hexanone	ug/L	ND	40	40	47.4	45.7	118	114	62-153	4	30
4-Chlorotoluene	ug/L	ND	20	20	21.8	21.2	109	106	70-144	3	30
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	46.7	44.1	117	110	65-144	6	30
Acetone	ug/L	ND	40	40	47.4	49.4	119	124	49-162	4	30
Acrolein	ug/L	ND	100	100	115	107	115	107	10-200	7	30
Acrylonitrile	ug/L	ND	100	100	99.2	95.8	99	96	59-155	4	30
Benzene	ug/L	ND	20	20	22.4	22.0	112	110	68-144	2	30
Bromobenzene	ug/L	ND	20	20	20.9	20.9	105	104	70-144	0	30
Bromochloromethane	ug/L	ND	20	20	21.6	21.6	108	108	70-148	0	30
Bromodichloromethane	ug/L	ND	20	20	22.5	21.8	113	109	70-141	3	30
Bromoform	ug/L	ND	20	20	22.6	21.7	113	108	59-144	4	30
Bromomethane	ug/L	ND	20	20	18.9	20.0	94	100	23-190	6	30 v3
Carbon disulfide	ug/L	ND	20	20	20.8	20.6	104	103	64-160	1	30
Carbon tetrachloride	ug/L	ND	20	20	23.0	22.5	115	113	70-147	2	30
Chlorobenzene	ug/L	ND	20	20	22.1	22.0	111	110	70-143	0	30
Chloroethane	ug/L	ND	20	20	16.7	17.4	84	87	55-190	4	30
Chloroform	ug/L	ND	20	20	20.4	20.2	102	101	67-148	1	30
Chloromethane	ug/L	ND	20	20	22.2	22.0	111	110	38-180	1	30
cis-1,2-Dichloroethene	ug/L	ND	20	20	20.7	20.7	104	104	67-151	0	30
cis-1,3-Dichloropropene	ug/L	ND	20	20	22.3	21.9	112	110	70-142	2	30
Dibromochloromethane	ug/L	ND	20	20	22.8	22.0	114	110	68-140	3	30
Dibromomethane	ug/L	ND	20	20	23.2	22.0	116	110	70-142	5	30
Dichlorodifluoromethane	ug/L	ND	20	20	22.6	22.2	113	111	15-200	2	30
Diisopropyl ether	ug/L	ND	20	20	20.5	20.3	102	102	62-149	1	30
Ethyl-tert-butyl ether	ug/L	ND	40	40	41.7	40.4	104	101	64-140	3	30
Ethylbenzene	ug/L	ND	20	20	22.3	22.0	112	110	70-145	1	30
Hexachloro-1,3-butadiene	ug/L	ND	20	20	22.1	20.6	110	103	64-164	7	30
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.3	22.0	112	110	70-144	2	30
m&p-Xylene	ug/L	ND	40	40	45.6	44.5	114	111	70-148	3	30
Methyl-tert-butyl ether	ug/L	ND	20	20	20.7	20.3	104	102	64-146	2	30
Methylene Chloride	ug/L	ND	20	20	20.0	19.8	100	99	54-149	1	30
n-Butylbenzene	ug/L	ND	20	20	21.2	20.4	106	102	70-154	4	30
n-Hexane	ug/L	ND	20	20	20.8	20.5	104	103	56-173	2	30
n-Propylbenzene	ug/L	ND	20	20	21.4	20.8	107	104	70-140	3	30
Naphthalene	ug/L	ND	20	20	23.7	23.1	118	115	62-154	3	30
o-Xylene	ug/L	ND	20	20	22.8	22.5	114	113	70-145	1	30
p-Isopropyltoluene	ug/L	ND	20	20	21.7	21.1	108	106	70-153	3	30
sec-Butylbenzene	ug/L	ND	20	20	21.2	20.8	106	104	70-145	2	30
Styrene	ug/L	ND	20	20	22.6	22.4	113	112	70-147	1	30
tert-Butylbenzene	ug/L	ND	20	20	17.9	17.4	90	87	66-130	3	30

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			4524958	4524959								
		92749616040	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Tetrachloroethene	ug/L	ND	20	20	21.8	21.5	109	107	70-145	1	30	
Toluene	ug/L	0.27J	20	20	22.6	21.8	112	107	65-146	4	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	21.3	20.9	106	105	69-155	2	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.6	21.9	113	109	70-142	3	30	
Trichloroethene	ug/L	ND	20	20	24.3	23.9	122	119	70-152	2	30	
Trichlorofluoromethane	ug/L	ND	20	20	20.6	20.8	103	104	60-158	1	30	
Vinyl acetate	ug/L	ND	40	40	41.8	39.4	105	99	56-157	6	30	
Vinyl chloride	ug/L	ND	20	20	20.8	20.8	104	104	51-178	0	30	
Xylene (Total)	ug/L	ND	60	60	68.4	67.0	114	112	70-146	2	30	
1,2-Dichloroethane-d4 (S)	%						95	90	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

QC Batch:	878654	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV Low Level
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616055

METHOD BLANK: 4525698 Matrix: Water

Associated Lab Samples: 92749616055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/29/24 21:47	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/29/24 21:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/29/24 21:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/29/24 21:47	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/29/24 21:47	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/29/24 21:47	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/29/24 21:47	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/29/24 21:47	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/29/24 21:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/29/24 21:47	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/29/24 21:47	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/29/24 21:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/29/24 21:47	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/29/24 21:47	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/29/24 21:47	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	08/29/24 21:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/29/24 21:47	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/29/24 21:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/29/24 21:47	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/29/24 21:47	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/29/24 21:47	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/29/24 21:47	
2-Hexanone	ug/L	ND	5.0	0.48	08/29/24 21:47	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/29/24 21:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/29/24 21:47	
Acetone	ug/L	ND	25.0	5.1	08/29/24 21:47	
Acrolein	ug/L	ND	10.0	8.5	08/29/24 21:47	
Acrylonitrile	ug/L	ND	10.0	1.8	08/29/24 21:47	
Benzene	ug/L	ND	1.0	0.34	08/29/24 21:47	
Bromobenzene	ug/L	ND	1.0	0.29	08/29/24 21:47	
Bromochloromethane	ug/L	ND	1.0	0.47	08/29/24 21:47	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/29/24 21:47	
Bromoform	ug/L	ND	1.0	0.34	08/29/24 21:47	
Bromomethane	ug/L	ND	2.0	1.7	08/29/24 21:47	
Carbon disulfide	ug/L	ND	2.0	0.36	08/29/24 21:47	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/29/24 21:47	
Chlorobenzene	ug/L	ND	1.0	0.28	08/29/24 21:47	
Chloroethane	ug/L	ND	1.0	0.65	08/29/24 21:47	
Chloroform	ug/L	ND	1.0	0.43	08/29/24 21:47	
Chloromethane	ug/L	ND	1.0	0.54	08/29/24 21:47	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

METHOD BLANK: 4525698

Matrix: Water

Associated Lab Samples: 92749616055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/29/24 21:47	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/29/24 21:47	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/29/24 21:47	
Dibromomethane	ug/L	ND	1.0	0.39	08/29/24 21:47	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/29/24 21:47	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/29/24 21:47	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/29/24 21:47	
Ethylbenzene	ug/L	ND	1.0	0.30	08/29/24 21:47	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/29/24 21:47	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	08/29/24 21:47	
m&p-Xylene	ug/L	ND	2.0	0.71	08/29/24 21:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/29/24 21:47	
Methylene Chloride	ug/L	ND	5.0	2.0	08/29/24 21:47	
n-Butylbenzene	ug/L	ND	1.0	0.49	08/29/24 21:47	
n-Hexane	ug/L	ND	1.0	0.82	08/29/24 21:47	
n-Propylbenzene	ug/L	ND	1.0	0.34	08/29/24 21:47	
Naphthalene	ug/L	ND	1.0	0.64	08/29/24 21:47	
o-Xylene	ug/L	ND	1.0	0.34	08/29/24 21:47	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/29/24 21:47	
sec-Butylbenzene	ug/L	ND	1.0	0.40	08/29/24 21:47	
Styrene	ug/L	ND	1.0	0.29	08/29/24 21:47	
tert-Butylbenzene	ug/L	ND	1.0	0.32	08/29/24 21:47	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/29/24 21:47	
Toluene	ug/L	ND	1.0	0.24	08/29/24 21:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/29/24 21:47	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/29/24 21:47	
Trichloroethene	ug/L	ND	1.0	0.38	08/29/24 21:47	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/29/24 21:47	
Vinyl acetate	ug/L	ND	2.0	1.3	08/29/24 21:47	
Vinyl chloride	ug/L	ND	1.0	0.39	08/29/24 21:47	v2
Xylene (Total)	ug/L	ND	1.0	0.34	08/29/24 21:47	
1,2-Dichloroethane-d4 (S)	%	97	70-130		08/29/24 21:47	
4-Bromofluorobenzene (S)	%	98	70-130		08/29/24 21:47	
Toluene-d8 (S)	%	99	70-130		08/29/24 21:47	

LABORATORY CONTROL SAMPLE: 4525699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.6	103	70-130	
1,1,1-Trichloroethane	ug/L	20	20.3	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	19.3	97	69-131	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4525699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	20	19.2	96	70-132	
1,2,3-Trichlorobenzene	ug/L	20	24.3	121	70-132	
1,2,3-Trichloropropane	ug/L	20	20.8	104	70-130	
1,2,4-Trichlorobenzene	ug/L	20	22.2	111	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.6	98	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	21.5	107	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	21.7	108	70-130	
1,2-Dichloropropane	ug/L	20	21.1	106	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.6	103	70-130	
1,3-Dichlorobenzene	ug/L	20	20.1	101	70-130	
1,3-Dichloropropane	ug/L	20	21.1	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.2	106	70-130	
2,2-Dichloropropane	ug/L	20	18.2	91	69-130	
2-Butanone (MEK)	ug/L	40	42.7	107	67-133	
2-Chlorotoluene	ug/L	20	20.9	104	70-130	
2-Hexanone	ug/L	40	43.8	109	70-133	
4-Chlorotoluene	ug/L	20	21.4	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	44.7	112	70-130	
Acetone	ug/L	40	43.2	108	67-130	
Acrolein	ug/L	100	106	106	53-166	
Acrylonitrile	ug/L	100	99.5	99	70-130	
Benzene	ug/L	20	21.1	105	70-130	
Bromobenzene	ug/L	20	20.8	104	70-130	
Bromochloromethane	ug/L	20	20.9	104	70-130	
Bromodichloromethane	ug/L	20	21.0	105	70-130	
Bromoform	ug/L	20	16.9	84	70-133	
Bromomethane	ug/L	20	17.9	90	41-148	
Carbon disulfide	ug/L	20	15.2	76	70-131 v3	
Carbon tetrachloride	ug/L	20	20.6	103	70-130	
Chlorobenzene	ug/L	20	20.8	104	70-130	
Chloroethane	ug/L	20	15.7	79	41-157	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	16.8	84	59-141	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	21.2	106	70-130	
Dibromomethane	ug/L	20	21.8	109	70-130	
Dichlorodifluoromethane	ug/L	20	14.2	71	54-147	
Diisopropyl ether	ug/L	20	20.1	101	70-130	
Ethyl-tert-butyl ether	ug/L	40	41.6	104	70-130	
Ethylbenzene	ug/L	20	20.9	105	70-130	
Hexachloro-1,3-butadiene	ug/L	20	21.8	109	70-134	
Isopropylbenzene (Cumene)	ug/L	20	20.5	102	70-130	
m&p-Xylene	ug/L	40	41.2	103	70-130	
Methyl-tert-butyl ether	ug/L	20	19.8	99	70-130	
Methylene Chloride	ug/L	20	19.5	98	62-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4525699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	20	19.9	100	70-130	
n-Hexane	ug/L	20	18.4	92	68-135	
n-Propylbenzene	ug/L	20	19.9	100	70-130	
Naphthalene	ug/L	20	24.9	124	70-135	
o-Xylene	ug/L	20	20.5	103	70-130	
p-Isopropyltoluene	ug/L	20	20.3	102	70-130	
sec-Butylbenzene	ug/L	20	19.8	99	70-130	
Styrene	ug/L	20	21.3	106	70-130	
tert-Butylbenzene	ug/L	20	20.3	102	64-130	
Tetrachloroethene	ug/L	20	21.6	108	70-130	
Toluene	ug/L	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.3	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.4	107	70-130	
Trichloroethene	ug/L	20	20.7	104	70-130	
Trichlorofluoromethane	ug/L	20	16.8	84	57-130	
Vinyl acetate	ug/L	40	44.9	112	70-141	
Vinyl chloride	ug/L	20	15.7	79	66-140 v3	
Xylene (Total)	ug/L	60	61.7	103	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4525700 4525701

Parameter	Units	92749511003	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.									
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	23.9	23.1	120	116	70-146	3	30		
1,1,1-Trichloroethane	ug/L	ND	20	20	22.1	20.4	110	102	70-150	8	30		
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	23.3	22.0	116	110	66-144	5	30		
1,1,2-Trichloroethane	ug/L	ND	20	20	23.0	22.4	115	112	70-142	2	30		
1,1-Dichloroethane	ug/L	ND	20	20	22.2	20.7	111	104	68-150	7	30		
1,1-Dichloroethene	ug/L	ND	20	20	21.4	20.2	107	101	64-162	5	30		
1,1-Dichloropropene	ug/L	ND	20	20	23.4	21.5	117	108	70-160	8	30		
1,2,3-Trichlorobenzene	ug/L	ND	20	20	26.1	25.3	130	127	66-151	3	30		
1,2,3-Trichloropropane	ug/L	ND	20	20	22.6	21.3	113	107	66-144	6	30		
1,2,4-Trichlorobenzene	ug/L	ND	20	20	25.3	24.4	127	122	69-147	4	30		
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	26.5	25.5	132	128	62-146	4	30		
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	24.1	22.9	121	114	70-143	5	30		
1,2-Dichlorobenzene	ug/L	ND	20	20	24.1	23.2	120	116	70-142	3	30		
1,2-Dichloroethane	ug/L	ND	20	20	19.9	18.7	100	94	68-145	6	30		
1,2-Dichloropropane	ug/L	ND	20	20	22.9	21.7	114	109	70-144	5	30		
1,3,5-Trimethylbenzene	ug/L	ND	20	20	24.7	23.7	123	119	70-147	4	30		
1,3-Dichlorobenzene	ug/L	ND	20	20	23.9	23.1	120	116	70-142	3	30		
1,3-Dichloropropane	ug/L	ND	20	20	23.4	22.1	117	111	70-141	5	30		

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4525700 4525701											
Parameter	Units	92749511003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	20	20	24.3	23.1	122	115	70-140	5	30
2,2-Dichloropropane	ug/L	ND	20	20	22.6	21.3	113	107	58-160	6	30
2-Butanone (MEK)	ug/L	ND	40	40	46.0	43.0	115	108	57-156	7	30
2-Chlorotoluene	ug/L	ND	20	20	23.4	22.4	117	112	70-148	5	30
2-Hexanone	ug/L	ND	40	40	47.1	44.8	118	112	62-153	5	30
4-Chlorotoluene	ug/L	ND	20	20	23.5	22.9	118	114	70-144	3	30
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	44.5	42.9	111	107	65-144	4	30
Acetone	ug/L	ND	40	40	41.6	38.3	104	96	49-162	8	30
Acrolein	ug/L	ND	100	100	87.8	84.5	88	84	10-200	4	30
Acrylonitrile	ug/L	ND	100	100	106	101	106	101	59-155	5	30
Benzene	ug/L	ND	20	20	23.7	22.9	118	115	68-144	3	30
Bromobenzene	ug/L	ND	20	20	23.5	23.0	117	115	70-144	2	30
Bromochloromethane	ug/L	ND	20	20	22.9	21.9	115	110	70-148	4	30
Bromodichloromethane	ug/L	ND	20	20	22.3	21.1	112	106	70-141	6	30
Bromoform	ug/L	ND	20	20	26.0	24.9	130	125	59-144	4	30
Bromomethane	ug/L	ND	20	20	15.1	15.5	76	77	23-190	2	30 v3
Carbon disulfide	ug/L	ND	20	20	21.9	20.6	110	103	64-160	6	30
Carbon tetrachloride	ug/L	ND	20	20	23.0	21.1	115	106	70-147	8	30
Chlorobenzene	ug/L	ND	20	20	23.8	23.0	119	115	70-143	3	30
Chloroethane	ug/L	ND	20	20	15.2	14.6	76	73	55-190	4	30 v3
Chloroform	ug/L	ND	20	20	22.0	20.8	110	104	67-148	5	30
Chloromethane	ug/L	ND	20	20	17.1	16.7	85	84	38-180	2	30 v3
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.9	20.4	110	102	67-151	7	30
cis-1,3-Dichloropropene	ug/L	ND	20	20	22.5	21.4	112	107	70-142	5	30
Dibromochloromethane	ug/L	ND	20	20	24.9	23.6	125	118	68-140	5	30
Dibromomethane	ug/L	ND	20	20	23.1	21.9	116	110	70-142	6	30
Dichlorodifluoromethane	ug/L	ND	20	20	15.2	14.9	76	75	15-200	2	30 v3
Diisopropyl ether	ug/L	ND	20	20	22.0	20.7	110	103	62-149	6	30
Ethyl-tert-butyl ether	ug/L	ND	40	40	43.5	41.2	109	103	64-140	5	30
Ethylbenzene	ug/L	ND	20	20	24.2	23.4	119	116	70-145	3	30
Hexachloro-1,3-butadiene	ug/L	ND	20	20	25.0	24.8	125	124	64-164	1	30
Isopropylbenzene (Cumene)	ug/L	ND	20	20	24.2	23.8	121	119	70-144	2	30
m&p-Xylene	ug/L	ND	40	40	48.2	46.4	121	116	70-148	4	30
Methyl-tert-butyl ether	ug/L	ND	20	20	21.3	20.2	106	101	64-146	5	30
Methylene Chloride	ug/L	ND	20	20	20.7	19.4	104	97	54-149	7	30
n-Butylbenzene	ug/L	ND	20	20	24.2	23.1	117	112	70-154	5	30
n-Hexane	ug/L	ND	20	20	20.5	19.3	103	96	56-173	6	30
n-Propylbenzene	ug/L	ND	20	20	24.2	23.5	121	117	70-140	3	30
Naphthalene	ug/L	ND	20	20	24.6	23.6	123	118	62-154	4	30
o-Xylene	ug/L	ND	20	20	24.9	23.9	125	119	70-145	4	30
p-Isopropyltoluene	ug/L	ND	20	20	25.7	24.6	129	123	70-153	4	30
sec-Butylbenzene	ug/L	ND	20	20	25.3	24.2	127	121	70-145	5	30
Styrene	ug/L	ND	20	20	24.7	23.8	123	119	70-147	4	30
tert-Butylbenzene	ug/L	ND	20	20	20.2	19.4	101	97	66-130	4	30

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4525700 4525701												
Parameter	Units	92749511003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tetrachloroethene	ug/L	ND	20	20	23.8	23.0	119	115	70-145	4	30	
Toluene	ug/L	1.0	20	20	24.1	23.4	115	112	65-146	3	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.1	21.1	110	105	69-155	5	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	23.2	22.2	116	111	70-142	4	30	
Trichloroethene	ug/L	ND	20	20	24.0	23.1	120	116	70-152	4	30	
Trichlorofluoromethane	ug/L	ND	20	20	20.2	19.0	101	95	60-158	6	30	
Vinyl acetate	ug/L	ND	40	40	40.2	38.0	100	95	56-157	6	30	
Vinyl chloride	ug/L	ND	20	20	20.4	19.5	102	98	51-178	4	30	
Xylene (Total)	ug/L	ND	60	60	73.1	70.3	122	117	70-146	4	30	
1,2-Dichloroethane-d4 (S)	%						85	84	70-130			
4-Bromofluorobenzene (S)	%						99	97	70-130			
Toluene-d8 (S)	%						96	96	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 879007

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260D MSV Low Level

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616047, 92749616048, 92749616050, 92749616051, 92749616052

METHOD BLANK: 4527312

Matrix: Water

Associated Lab Samples: 92749616047, 92749616048, 92749616050, 92749616051, 92749616052

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/28/24 11:32	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/28/24 11:32	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/28/24 11:32	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/28/24 11:32	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/28/24 11:32	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/28/24 11:32	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/28/24 11:32	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/28/24 11:32	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/28/24 11:32	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/28/24 11:32	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/28/24 11:32	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/28/24 11:32	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/28/24 11:32	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/28/24 11:32	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/28/24 11:32	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	08/28/24 11:32	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/28/24 11:32	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/28/24 11:32	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/28/24 11:32	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/28/24 11:32	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/28/24 11:32	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/28/24 11:32	
2-Hexanone	ug/L	ND	5.0	0.48	08/28/24 11:32	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/28/24 11:32	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/28/24 11:32	
Acetone	ug/L	ND	25.0	5.1	08/28/24 11:32	
Acrolein	ug/L	ND	10.0	8.5	08/28/24 11:32	
Acrylonitrile	ug/L	ND	10.0	1.8	08/28/24 11:32	
Benzene	ug/L	ND	1.0	0.34	08/28/24 11:32	
Bromobenzene	ug/L	ND	1.0	0.29	08/28/24 11:32	
Bromochloromethane	ug/L	ND	1.0	0.47	08/28/24 11:32	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/28/24 11:32	
Bromoform	ug/L	ND	1.0	0.34	08/28/24 11:32	
Bromomethane	ug/L	ND	2.0	1.7	08/28/24 11:32	
Carbon disulfide	ug/L	ND	2.0	0.36	08/28/24 11:32	
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/28/24 11:32	
Chlorobenzene	ug/L	ND	1.0	0.28	08/28/24 11:32	
Chloroethane	ug/L	ND	1.0	0.65	08/28/24 11:32	
Chloroform	ug/L	ND	1.0	0.43	08/28/24 11:32	
Chloromethane	ug/L	ND	1.0	0.54	08/28/24 11:32	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

METHOD BLANK: 4527312

Matrix: Water

Associated Lab Samples: 92749616047, 92749616048, 92749616050, 92749616051, 92749616052

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/28/24 11:32	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/28/24 11:32	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/28/24 11:32	
Dibromomethane	ug/L	ND	1.0	0.39	08/28/24 11:32	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/28/24 11:32	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/28/24 11:32	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/28/24 11:32	
Ethylbenzene	ug/L	ND	1.0	0.30	08/28/24 11:32	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/28/24 11:32	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	08/28/24 11:32	
m&p-Xylene	ug/L	ND	2.0	0.71	08/28/24 11:32	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/28/24 11:32	
Methylene Chloride	ug/L	ND	5.0	2.0	08/28/24 11:32	
n-Butylbenzene	ug/L	ND	1.0	0.49	08/28/24 11:32	
n-Hexane	ug/L	ND	1.0	0.82	08/28/24 11:32	
n-Propylbenzene	ug/L	ND	1.0	0.34	08/28/24 11:32	
Naphthalene	ug/L	ND	1.0	0.64	08/28/24 11:32	
o-Xylene	ug/L	ND	1.0	0.34	08/28/24 11:32	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/28/24 11:32	
sec-Butylbenzene	ug/L	ND	1.0	0.40	08/28/24 11:32	
Styrene	ug/L	ND	1.0	0.29	08/28/24 11:32	
tert-Butylbenzene	ug/L	ND	1.0	0.32	08/28/24 11:32	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/28/24 11:32	
Toluene	ug/L	ND	1.0	0.24	08/28/24 11:32	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/28/24 11:32	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/28/24 11:32	
Trichloroethene	ug/L	ND	1.0	0.38	08/28/24 11:32	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/28/24 11:32	
Vinyl acetate	ug/L	ND	2.0	1.3	08/28/24 11:32	
Vinyl chloride	ug/L	ND	1.0	0.39	08/28/24 11:32	
Xylene (Total)	ug/L	ND	1.0	0.34	08/28/24 11:32	
1,2-Dichloroethane-d4 (S)	%	100	70-130		08/28/24 11:32	
4-Bromofluorobenzene (S)	%	103	70-130		08/28/24 11:32	
Toluene-d8 (S)	%	105	70-130		08/28/24 11:32	

LABORATORY CONTROL SAMPLE: 4527313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethane	ug/L	20	21.1	106	70-130	
1,1-Dichloroethene	ug/L	20	21.1	105	69-131	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4527313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	20	19.6	98	70-132	
1,2,3-Trichlorobenzene	ug/L	20	19.2	96	70-132	
1,2,3-Trichloropropane	ug/L	20	20.0	100	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.2	101	70-130	
1,2-Dichlorobenzene	ug/L	20	20.1	101	70-130	
1,2-Dichloroethane	ug/L	20	20.6	103	70-130	
1,2-Dichloropropane	ug/L	20	20.1	100	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.0	105	70-130	
1,3-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,3-Dichloropropane	ug/L	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2,2-Dichloropropane	ug/L	20	17.5	87	69-130	
2-Butanone (MEK)	ug/L	40	38.9	97	67-133	
2-Chlorotoluene	ug/L	20	21.3	107	70-130	
2-Hexanone	ug/L	40	42.4	106	70-133	
4-Chlorotoluene	ug/L	20	21.0	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.2	103	70-130	
Acetone	ug/L	40	43.5	109	67-130	
Acrolein	ug/L	100	92.2	92	53-166	
Acrylonitrile	ug/L	100	97.9	98	70-130	
Benzene	ug/L	20	20.1	100	70-130	
Bromobenzene	ug/L	20	21.4	107	70-130	
Bromochloromethane	ug/L	20	21.1	105	70-130	
Bromodichloromethane	ug/L	20	20.9	105	70-130	
Bromoform	ug/L	20	20.1	101	70-133	
Bromomethane	ug/L	20	16.5	82	41-148	
Carbon disulfide	ug/L	20	19.7	98	70-131	
Carbon tetrachloride	ug/L	20	21.0	105	70-130	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	16.7	84	41-157	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	18.6	93	59-141	
cis-1,2-Dichloroethene	ug/L	20	20.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	20.5	102	70-130	
Dibromomethane	ug/L	20	20.8	104	70-130	
Dichlorodifluoromethane	ug/L	20	14.9	75	54-147	
Diisopropyl ether	ug/L	20	18.9	94	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.9	92	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.2	101	70-134	
Isopropylbenzene (Cumene)	ug/L	20	20.4	102	70-130	
m&p-Xylene	ug/L	40	40.6	101	70-130	
Methyl-tert-butyl ether	ug/L	20	18.4	92	70-130	
Methylene Chloride	ug/L	20	19.3	96	62-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4527313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	20	20.2	101	70-130	
n-Hexane	ug/L	20	15.5	77	68-135	
n-Propylbenzene	ug/L	20	21.1	106	70-130	
Naphthalene	ug/L	20	19.5	98	70-135	
o-Xylene	ug/L	20	20.1	100	70-130	
p-Isopropyltoluene	ug/L	20	20.7	104	70-130	
sec-Butylbenzene	ug/L	20	21.3	107	70-130	
Styrene	ug/L	20	20.8	104	70-130	
tert-Butylbenzene	ug/L	20	18.2	91	64-130	
Tetrachloroethene	ug/L	20	17.4	87	70-130	
Toluene	ug/L	20	20.1	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	18.5	93	57-130	
Vinyl acetate	ug/L	40	38.7	97	70-141	
Vinyl chloride	ug/L	20	17.6	88	66-140	
Xylene (Total)	ug/L	60	60.7	101	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527314 4527315

Parameter	Units	92749616048		MS	MSD	MS		MSD	% Rec		Max	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	12.9	12.6	64	63	70-146	2	30 M1
1,1,1-Trichloroethane	ug/L	ND	20	20	20	11.7J	11.7J	58	59	70-150		30 M1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	16.6	15.3	83	77	66-144	8	30
1,1,2-Trichloroethane	ug/L	ND	20	20	20	14.4	15.7	72	78	70-142	9	30
1,1-Dichloroethane	ug/L	ND	20	20	20	13.1	13.2	66	66	68-150	1	30 M1
1,1-Dichloroethene	ug/L	ND	20	20	20	13.9	14.1	70	71	64-162	1	30
1,1-Dichloropropene	ug/L	ND	20	20	20	13.1	12.4J	65	62	70-160		30 M1
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	14.4	14.6	72	73	66-151	1	30
1,2,3-Trichloropropane	ug/L	ND	20	20	20	16.2	16.0	81	80	66-144	2	30
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	13.9	13.9	69	70	69-147	0	30
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	9.4J	11.8J	47	59	62-146		30 M1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	14.6	13.8	73	69	70-143	6	30 M1
1,2-Dichlorobenzene	ug/L	ND	20	20	20	15.7	14.2	79	71	70-142	10	30
1,2-Dichloroethane	ug/L	ND	20	20	20	15.2	16.2	76	81	68-145	6	30
1,2-Dichloropropane	ug/L	ND	20	20	20	14.3	13.8	72	69	70-144	4	30 M1
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20	15.5	14.7	78	74	70-147	5	30
1,3-Dichlorobenzene	ug/L	ND	20	20	20	15.3	14.8	76	74	70-142	3	30
1,3-Dichloropropane	ug/L	ND	20	20	20	14.5	15.0	73	75	70-141	3	30

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			4527314		4527315								
Parameter	Units	92749616048	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
1,4-Dichlorobenzene	ug/L	ND	20	20	14.9	17.0	74	85	70-140	13	30		
2,2-Dichloropropane	ug/L	ND	20	20	12.0J	11.7J	60	59	58-160		30		
2-Butanone (MEK)	ug/L	ND	40	40	ND	ND	82	86	57-156		30		
2-Chlorotoluene	ug/L	ND	20	20	15.7	15.7	79	79	70-148	0	30		
2-Hexanone	ug/L	ND	40	40	28.3J	28.1J	71	70	62-153		30		
4-Chlorotoluene	ug/L	ND	20	20	17.3	15.4	86	77	70-144	12	30		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	ND	ND	75	77	65-144		30		
Acetone	ug/L	ND	40	40	ND	ND	141	143	49-162		30		
Acrolein	ug/L	ND	100	100	ND	ND	61	71	10-200		30		
Acrylonitrile	ug/L	ND	100	100	74.9J	74.8J	75	75	59-155		30		
Benzene	ug/L	ND	20	20	14.5	6.4J	73	32	68-144		30	M1	
Bromobenzene	ug/L	ND	20	20	15.0	15.1	75	76	70-144	1	30		
Bromochloromethane	ug/L	ND	20	20	8.6J	9.3J	43	47	70-148		30	M1	
Bromodichloromethane	ug/L	ND	20	20	13.6	13.6	68	68	70-141	0	30	M1	
Bromoform	ug/L	ND	20	20	12.5J	13.0	62	65	59-144		30		
Bromomethane	ug/L	ND	20	20	ND	ND	68	70	23-190		30	v3	
Carbon disulfide	ug/L	ND	20	20	12.4J	11.9J	62	60	64-160		30	M1,v3	
Carbon tetrachloride	ug/L	ND	20	20	12.7	13.2	63	66	70-147	4	30	M1	
Chlorobenzene	ug/L	ND	20	20	16.0	14.6	80	73	70-143	9	30		
Chloroethane	ug/L	ND	20	20	8.9J	11.1J	44	55	55-190		30	M1	
Chloroform	ug/L	ND	20	20	16.2	16.0	81	80	67-148	1	30		
Chloromethane	ug/L	ND	20	20	10.8J	9.8J	54	49	38-180		30	v3	
cis-1,2-Dichloroethene	ug/L	220	20	20	297	297	386	386	67-151	0	30	M1	
cis-1,3-Dichloropropene	ug/L	ND	20	20	13.5	13.2	67	66	70-142	2	30	M1	
Dibromochloromethane	ug/L	ND	20	20	13.4	13.3	67	67	68-140	0	30	M1	
Dibromomethane	ug/L	ND	20	20	15.1	7.4J	75	37	70-142		30	M1	
Dichlorodifluoromethane	ug/L	ND	20	20	9.0J	9.0J	45	45	15-200		30	v3	
Diisopropyl ether	ug/L	ND	20	20	13.9	13.0	69	65	62-149	6	30		
Ethyl-tert-butyl ether	ug/L	ND	40	40	ND	ND	66	68	64-140		30		
Ethylbenzene	ug/L	ND	20	20	15.2	14.5	76	72	70-145	5	30		
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20.3J	ND	101	90	64-164		30		
Isopropylbenzene (Cumene)	ug/L	ND	20	20	15.7	15.2	79	76	70-144	4	30		
m&p-Xylene	ug/L	ND	40	40	30.5	29.6	76	74	70-148	3	30		
Methyl-tert-butyl ether	ug/L	ND	20	20	13.8	13.9	69	70	64-146	0	30		
Methylene Chloride	ug/L	ND	20	20	24.5J	25.6J	122	128	54-149		30		
n-Butylbenzene	ug/L	ND	20	20	15.3	15.0	76	75	70-154	2	30		
n-Hexane	ug/L	ND	20	20	12.5J	12.4J	62	62	56-173		30		
n-Propylbenzene	ug/L	ND	20	20	15.7	15.7	78	78	70-140	0	30		
Naphthalene	ug/L	ND	20	20	13.1	14.5	66	72	62-154	10	30		
o-Xylene	ug/L	ND	20	20	14.7	14.1	74	71	70-145	4	30		
p-Isopropyltoluene	ug/L	ND	20	20	14.3	14.5	71	73	70-153	2	30		
sec-Butylbenzene	ug/L	ND	20	20	15.8	15.7	79	78	70-145	1	30		
Styrene	ug/L	ND	20	20	14.1	14.4	71	72	70-147	2	30		
tert-Butylbenzene	ug/L	ND	20	20	12.9	12.9	64	65	66-130	0	30	M1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			4527314	4527315								
		92749616048	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Tetrachloroethene	ug/L	ND	20	20	12.1J	12.3J	61	61	70-145		30	M1
Toluene	ug/L	ND	20	20	15.3	14.8	77	74	65-146	3	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	14.4	14.1	72	71	69-155	2	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	13.8	13.5	69	67	70-142	2	30	M1
Trichloroethene	ug/L	1910	20	20	2750	2670	4180	3810	70-152	3	30	E,M1
Trichlorofluoromethane	ug/L	ND	20	20	12.7	11.3J	63	56	60-158		30	M1
Vinyl acetate	ug/L	ND	40	40	25.2	27.0	63	68	56-157	7	30	
Vinyl chloride	ug/L	ND	20	20	9.9J	9.3J	50	47	51-178		30	M1,v3
Xylene (Total)	ug/L	ND	60	60	45.2	43.8	75	73	70-146	3	30	
1,2-Dichloroethane-d4 (S)	%						103	105	70-130			
4-Bromofluorobenzene (S)	%						103	104	70-130			
Toluene-d8 (S)	%						101	99	70-130			

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

QC Batch:	879008	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV Low Level
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616041, 92749616042, 92749616043, 92749616044, 92749616045, 92749616046, 92749616049

METHOD BLANK: 4527317 Matrix: Water

Associated Lab Samples: 92749616041, 92749616042, 92749616043, 92749616044, 92749616045, 92749616046, 92749616049

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/28/24 18:19	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/28/24 18:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/28/24 18:19	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/28/24 18:19	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/28/24 18:19	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/28/24 18:19	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/28/24 18:19	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/28/24 18:19	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/28/24 18:19	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/28/24 18:19	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/28/24 18:19	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/28/24 18:19	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/28/24 18:19	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/28/24 18:19	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/28/24 18:19	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	08/28/24 18:19	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/28/24 18:19	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/28/24 18:19	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/28/24 18:19	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/28/24 18:19	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/28/24 18:19	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/28/24 18:19	
2-Hexanone	ug/L	ND	5.0	0.48	08/28/24 18:19	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/28/24 18:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/28/24 18:19	
Acetone	ug/L	ND	25.0	5.1	08/28/24 18:19	
Acrolein	ug/L	ND	10.0	8.5	08/28/24 18:19	
Acrylonitrile	ug/L	ND	10.0	1.8	08/28/24 18:19	
Benzene	ug/L	ND	1.0	0.34	08/28/24 18:19	
Bromobenzene	ug/L	ND	1.0	0.29	08/28/24 18:19	
Bromochloromethane	ug/L	ND	1.0	0.47	08/28/24 18:19	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/28/24 18:19	
Bromoform	ug/L	ND	1.0	0.34	08/28/24 18:19	
Bromomethane	ug/L	ND	2.0	1.7	08/28/24 18:19	
Carbon disulfide	ug/L	ND	2.0	0.36	08/28/24 18:19	
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/28/24 18:19	
Chlorobenzene	ug/L	ND	1.0	0.28	08/28/24 18:19	
Chloroethane	ug/L	ND	1.0	0.65	08/28/24 18:19	
Chloroform	ug/L	ND	1.0	0.43	08/28/24 18:19	
Chloromethane	ug/L	ND	1.0	0.54	08/28/24 18:19	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

METHOD BLANK: 4527317

Matrix: Water

Associated Lab Samples: 92749616041, 92749616042, 92749616043, 92749616044, 92749616045, 92749616046, 92749616049

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/28/24 18:19	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/28/24 18:19	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/28/24 18:19	
Dibromomethane	ug/L	ND	1.0	0.39	08/28/24 18:19	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/28/24 18:19	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/28/24 18:19	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/28/24 18:19	
Ethylbenzene	ug/L	ND	1.0	0.30	08/28/24 18:19	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/28/24 18:19	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	08/28/24 18:19	
m&p-Xylene	ug/L	ND	2.0	0.71	08/28/24 18:19	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/28/24 18:19	
Methylene Chloride	ug/L	ND	5.0	2.0	08/28/24 18:19	
n-Butylbenzene	ug/L	ND	1.0	0.49	08/28/24 18:19	
n-Hexane	ug/L	ND	1.0	0.82	08/28/24 18:19	
n-Propylbenzene	ug/L	ND	1.0	0.34	08/28/24 18:19	
Naphthalene	ug/L	ND	1.0	0.64	08/28/24 18:19	
o-Xylene	ug/L	ND	1.0	0.34	08/28/24 18:19	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/28/24 18:19	
sec-Butylbenzene	ug/L	ND	1.0	0.40	08/28/24 18:19	
Styrene	ug/L	ND	1.0	0.29	08/28/24 18:19	
tert-Butylbenzene	ug/L	ND	1.0	0.32	08/28/24 18:19	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/28/24 18:19	
Toluene	ug/L	ND	1.0	0.24	08/28/24 18:19	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/28/24 18:19	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/28/24 18:19	
Trichloroethene	ug/L	ND	1.0	0.38	08/28/24 18:19	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/28/24 18:19	
Vinyl acetate	ug/L	ND	2.0	1.3	08/28/24 18:19	
Vinyl chloride	ug/L	ND	1.0	0.39	08/28/24 18:19	
Xylene (Total)	ug/L	ND	1.0	0.34	08/28/24 18:19	
1,2-Dichloroethane-d4 (S)	%	100	70-130		08/28/24 18:19	
4-Bromofluorobenzene (S)	%	99	70-130		08/28/24 18:19	
Toluene-d8 (S)	%	100	70-130		08/28/24 18:19	

LABORATORY CONTROL SAMPLE: 4527318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethene	ug/L	20	22.2	111	69-131	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4527318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	20	20.2	101	70-132	
1,2,3-Trichlorobenzene	ug/L	20	22.6	113	70-132	
1,2,3-Trichloropropane	ug/L	20	18.7	94	70-130	
1,2,4-Trichlorobenzene	ug/L	20	21.1	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	19.8	99	70-130	
1,2-Dichloroethane	ug/L	20	20.6	103	70-130	
1,2-Dichloropropane	ug/L	20	19.8	99	70-130	
1,3,5-Trimethylbenzene	ug/L	20	19.8	99	70-130	
1,3-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,3-Dichloropropane	ug/L	20	20.2	101	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	99	70-130	
2,2-Dichloropropane	ug/L	20	20.5	103	69-130	
2-Butanone (MEK)	ug/L	40	41.8	105	67-133	
2-Chlorotoluene	ug/L	20	20.1	101	70-130	
2-Hexanone	ug/L	40	40.1	100	70-133	
4-Chlorotoluene	ug/L	20	19.8	99	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.5	99	70-130	
Acetone	ug/L	40	40.2	101	67-130	
Acrolein	ug/L	100	96.5	96	53-166	
Acrylonitrile	ug/L	100	100	100	70-130	
Benzene	ug/L	20	19.2	96	70-130	
Bromobenzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	21.4	107	70-130	
Bromodichloromethane	ug/L	20	20.9	105	70-130	
Bromoform	ug/L	20	21.2	106	70-133	
Bromomethane	ug/L	20	24.8	124	41-148	
Carbon disulfide	ug/L	20	22.7	114	70-131	
Carbon tetrachloride	ug/L	20	22.4	112	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	17.9	89	41-157	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	24.1	121	59-141	
cis-1,2-Dichloroethene	ug/L	20	20.9	105	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.7	103	70-130	
Dibromochloromethane	ug/L	20	21.1	106	70-130	
Dibromomethane	ug/L	20	20.3	102	70-130	
Dichlorodifluoromethane	ug/L	20	23.6	118	54-147	
Diisopropyl ether	ug/L	20	21.3	107	70-130	
Ethyl-tert-butyl ether	ug/L	40	41.9	105	70-130	
Ethylbenzene	ug/L	20	20.1	101	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.9	104	70-134	
Isopropylbenzene (Cumene)	ug/L	20	19.5	97	70-130	
m&p-Xylene	ug/L	40	39.7	99	70-130	
Methyl-tert-butyl ether	ug/L	20	20.7	103	70-130	
Methylene Chloride	ug/L	20	20.7	103	62-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4527318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	20	19.5	98	70-130	
n-Hexane	ug/L	20	21.8	109	68-135	
n-Propylbenzene	ug/L	20	19.8	99	70-130	
Naphthalene	ug/L	20	22.0	110	70-135	
o-Xylene	ug/L	20	19.6	98	70-130	
p-Isopropyltoluene	ug/L	20	19.5	97	70-130	
sec-Butylbenzene	ug/L	20	19.5	97	70-130	
Styrene	ug/L	20	19.4	97	70-130	
tert-Butylbenzene	ug/L	20	16.6	83	64-130	
Tetrachloroethene	ug/L	20	19.2	96	70-130	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Trichloroethene	ug/L	20	20.3	101	70-130	
Trichlorofluoromethane	ug/L	20	20.2	101	57-130	
Vinyl acetate	ug/L	40	42.4	106	70-141	
Vinyl chloride	ug/L	20	19.7	98	66-140	
Xylene (Total)	ug/L	60	59.2	99	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527319 4527320

Parameter	Units	92749616041		MS	MSD	MS	MSD	MS	MSD	% Rec Limits	RPD	Max	
		Result	Conc.	Spike Conc.	Spike Conc.							RPD	RPD
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	24.0	11.7	120	58	70-146	69	30	M1,R1
1,1,1-Trichloroethane	ug/L	ND	20	20	20	24.1	9.9	120	49	70-150	84	30	M1,R1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	25.9	12.9	130	65	66-144	67	30	M1,R1
1,1,2-Trichloroethane	ug/L	ND	20	20	20	27.0	12.7	135	63	70-142	72	30	M1,R1
1,1-Dichloroethane	ug/L	ND	20	20	20	24.5	12.3	122	62	68-150	66	30	M1,R1
1,1-Dichloroethene	ug/L	ND	20	20	20	23.8	10.5	119	52	64-162	78	30	M1,R1
1,1-Dichloropropene	ug/L	ND	20	20	20	23.1	10.1	116	51	70-160	78	30	M1,R1
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	27.9	15.9	139	79	66-151	55	30	R1
1,2,3-Trichloropropane	ug/L	ND	20	20	20	27.0	13.4	135	67	66-144	68	30	R1
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	26.1	14.1	130	70	69-147	60	30	R1
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	26.0	14.2	130	71	62-146	59	30	R1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	25.5	13.4	127	67	70-143	62	30	M1,R1
1,2-Dichlorobenzene	ug/L	ND	20	20	20	25.0	12.9	125	65	70-142	64	30	M1,R1
1,2-Dichloroethane	ug/L	ND	20	20	20	25.6	14.1	128	71	68-145	58	30	R1
1,2-Dichloropropane	ug/L	ND	20	20	20	24.4	12.2	122	61	70-144	67	30	M1,R1
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20	23.8	11.4	119	57	70-147	70	30	M1,R1
1,3-Dichlorobenzene	ug/L	ND	20	20	20	24.2	12.8	121	64	70-142	61	30	M1,R1
1,3-Dichloropropane	ug/L	ND	20	20	20	26.6	13.1	133	66	70-141	68	30	M1,R1

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527319				4527320								
		92749616041	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits		Max RPD	Qual
Parameter	Units	Result								RPD		
1,4-Dichlorobenzene	ug/L	ND	20	20	24.1	12.6	120	63	70-140	63	30	M1,R1
2,2-Dichloropropane	ug/L	ND	20	20	23.2	10.3	116	52	58-160	77	30	M1,R1
2-Butanone (MEK)	ug/L	ND	40	40	53.8	28.2	134	71	57-156	62	30	R1
2-Chlorotoluene	ug/L	ND	20	20	25.2	11.5	126	58	70-148	74	30	M1,R1
2-Hexanone	ug/L	ND	40	40	52.0	25.3	130	63	62-153	69	30	R1
4-Chlorotoluene	ug/L	ND	20	20	25.5	11.9	128	59	70-144	73	30	M1,R1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	52.3	25.8	131	65	65-144	68	30	R1
Acetone	ug/L	ND	40	40	61.7J	37.3J	154	93	49-162		30	
Acrolein	ug/L	ND	100	100	127	61.5	127	61	10-200	69	30	R1
Acrylonitrile	ug/L	ND	100	100	133	65.7	133	66	59-155	68	30	R1
Benzene	ug/L	1.4J	20	20	23.9	11.4	113	50	68-144	71	30	M1,R1
Bromobenzene	ug/L	ND	20	20	24.0	11.7	120	59	70-144	69	30	M1,R1
Bromochloromethane	ug/L	ND	20	20	25.9	13.7	129	68	70-148	62	30	M1,R1
Bromodichloromethane	ug/L	ND	20	20	25.4	11.9	127	59	70-141	72	30	M1,R1
Bromoform	ug/L	ND	20	20	24.4	12.6	122	63	59-144	64	30	R1
Bromomethane	ug/L	ND	20	20	15.6	8.7	68	34	23-190	57	30	R1,v3
Carbon disulfide	ug/L	ND	20	20	21.0	10.2	105	51	64-160	69	30	M1,R1
Carbon tetrachloride	ug/L	ND	20	20	24.1	10.9	120	54	70-147	76	30	M1,R1
Chlorobenzene	ug/L	ND	20	20	25.1	11.9	126	60	70-143	71	30	M1,R1
Chloroethane	ug/L	ND	20	20	20.1	9.1	101	46	55-190	75	30	M1,R1
Chloroform	ug/L	2.8	20	20	25.1	15.1	111	61	67-148	50	30	M1,R1
Chloromethane	ug/L	ND	20	20	21.4	9.9	107	50	38-180	73	30	R1
cis-1,2-Dichloroethene	ug/L	45.3	20	20	69.2	55.3	119	50	67-151	22	30	M1
cis-1,3-Dichloropropene	ug/L	ND	20	20	25.6	12.2	128	61	70-142	71	30	M1,R1
Dibromochloromethane	ug/L	ND	20	20	24.8	11.3	124	57	68-140	75	30	M1,R1
Dibromomethane	ug/L	ND	20	20	25.8	13.3	129	67	70-142	64	30	M1,R1
Dichlorodifluoromethane	ug/L	ND	20	20	18.8	7.9	94	40	15-200	81	30	R1
Diisopropyl ether	ug/L	ND	20	20	24.4	12.4	122	62	62-149	65	30	R1
Ethyl-tert-butyl ether	ug/L	ND	40	40	51.3	25.2	128	63	64-140	68	30	M1,R1
Ethylbenzene	ug/L	ND	20	20	24.7	11.9	123	60	70-145	70	30	M1,R1
Hexachloro-1,3-butadiene	ug/L	ND	20	20	22.7	10	113	50	64-164	78	30	M1,R1
Isopropylbenzene (Cumene)	ug/L	ND	20	20	23.8	10.8	119	54	70-144	75	30	M1,R1
m&p-Xylene	ug/L	ND	40	40	50.1	23.4	125	59	70-148	73	30	M1,R1
Methyl-tert-butyl ether	ug/L	ND	20	20	25.5	12.6	124	59	64-146	68	30	M1,R1
Methylene Chloride	ug/L	9.6J	20	20	31.6	20.9	110	57	54-149	41	30	R1
n-Butylbenzene	ug/L	ND	20	20	22.5	10.3	113	52	70-154	74	30	M1,R1
n-Hexane	ug/L	ND	20	20	24.2	11.3	121	57	56-173	73	30	R1
n-Propylbenzene	ug/L	ND	20	20	23.6	10.9	118	54	70-140	74	30	M1,R1
Naphthalene	ug/L	ND	20	20	28.2	16.3	141	82	62-154	53	30	R1
o-Xylene	ug/L	ND	20	20	24.9	11.6	124	58	70-145	73	30	M1,R1
p-Isopropyltoluene	ug/L	ND	20	20	23.0	10.9	115	54	70-153	72	30	M1,R1
sec-Butylbenzene	ug/L	ND	20	20	23.0	10.5	115	53	70-145	74	30	M1,R1
Styrene	ug/L	ND	20	20	24.3	11.8	122	59	70-147	70	30	M1,R1
tert-Butylbenzene	ug/L	ND	20	20	20.6	9.3	103	47	66-130	75	30	M1,R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			4527319		4527320								
Parameter	Units	92749616041	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
Tetrachloroethene	ug/L	ND	20	20	22.2	9.8	111	49	70-145	78	30	M1,R1	
Toluene	ug/L	1.9J	20	20	25.2	12.6	116	53	65-146	67	30	M1,R1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.0	10.8	120	54	69-155	76	30	M1,R1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	25.6	12.2	128	61	70-142	71	30	M1,R1	
Trichloroethene	ug/L	324	20	20	304	282	-99	-212	70-152	8	30	M1	
Trichlorofluoromethane	ug/L	ND	20	20	21.8	9.3	109	46	60-158	81	30	M1,R1	
Vinyl acetate	ug/L	ND	40	40	51.1	24.3	128	61	56-157	71	30	R1	
Vinyl chloride	ug/L	2.5	20	20	22.4	10.5	99	40	51-178	72	30	M1,R1	
Xylene (Total)	ug/L	ND	60	60	75.0	35.1	125	58	70-146	73	30	MS,RS	
1,2-Dichloroethane-d4 (S)	%						102	102	70-130				
4-Bromofluorobenzene (S)	%						100	100	70-130				
Toluene-d8 (S)	%						100	99	70-130				

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

QC Batch:	880086	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV Low Level
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616056

METHOD BLANK: 4532677 Matrix: Water

Associated Lab Samples: 92749616056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	09/04/24 12:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	09/04/24 12:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	09/04/24 12:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	09/04/24 12:11	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	09/04/24 12:11	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	09/04/24 12:11	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	09/04/24 12:11	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	09/04/24 12:11	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	09/04/24 12:11	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	09/04/24 12:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	09/04/24 12:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	09/04/24 12:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	09/04/24 12:11	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/04/24 12:11	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	09/04/24 12:11	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	09/04/24 12:11	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	09/04/24 12:11	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	09/04/24 12:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	09/04/24 12:11	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	09/04/24 12:11	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	09/04/24 12:11	
2-Chlorotoluene	ug/L	ND	1.0	0.32	09/04/24 12:11	
2-Hexanone	ug/L	ND	5.0	0.48	09/04/24 12:11	
4-Chlorotoluene	ug/L	ND	1.0	0.32	09/04/24 12:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	09/04/24 12:11	
Acetone	ug/L	ND	25.0	5.1	09/04/24 12:11	
Acrolein	ug/L	ND	10.0	8.5	09/04/24 12:11	
Acrylonitrile	ug/L	ND	10.0	1.8	09/04/24 12:11	
Benzene	ug/L	ND	1.0	0.34	09/04/24 12:11	
Bromobenzene	ug/L	ND	1.0	0.29	09/04/24 12:11	
Bromochloromethane	ug/L	ND	1.0	0.47	09/04/24 12:11	
Bromodichloromethane	ug/L	ND	1.0	0.31	09/04/24 12:11	
Bromoform	ug/L	ND	1.0	0.34	09/04/24 12:11	
Bromomethane	ug/L	ND	2.0	1.7	09/04/24 12:11	
Carbon disulfide	ug/L	ND	2.0	0.36	09/04/24 12:11	
Carbon tetrachloride	ug/L	ND	1.0	0.33	09/04/24 12:11	
Chlorobenzene	ug/L	ND	1.0	0.28	09/04/24 12:11	
Chloroethane	ug/L	ND	1.0	0.65	09/04/24 12:11	
Chloroform	ug/L	ND	1.0	0.43	09/04/24 12:11	
Chloromethane	ug/L	ND	1.0	0.54	09/04/24 12:11	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

METHOD BLANK: 4532677

Matrix: Water

Associated Lab Samples: 92749616056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	09/04/24 12:11	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	09/04/24 12:11	
Dibromochloromethane	ug/L	ND	1.0	0.36	09/04/24 12:11	
Dibromomethane	ug/L	ND	1.0	0.39	09/04/24 12:11	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	09/04/24 12:11	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/04/24 12:11	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/04/24 12:11	
Ethylbenzene	ug/L	ND	1.0	0.30	09/04/24 12:11	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	09/04/24 12:11	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	09/04/24 12:11	
m&p-Xylene	ug/L	ND	2.0	0.71	09/04/24 12:11	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/04/24 12:11	
Methylene Chloride	ug/L	ND	5.0	2.0	09/04/24 12:11	
n-Butylbenzene	ug/L	ND	1.0	0.49	09/04/24 12:11	
n-Hexane	ug/L	ND	1.0	0.82	09/04/24 12:11	
n-Propylbenzene	ug/L	ND	1.0	0.34	09/04/24 12:11	
Naphthalene	ug/L	ND	1.0	0.64	09/04/24 12:11	
o-Xylene	ug/L	ND	1.0	0.34	09/04/24 12:11	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	09/04/24 12:11	
sec-Butylbenzene	ug/L	ND	1.0	0.40	09/04/24 12:11	
Styrene	ug/L	ND	1.0	0.29	09/04/24 12:11	
tert-Butylbenzene	ug/L	ND	1.0	0.32	09/04/24 12:11	
Tetrachloroethene	ug/L	ND	1.0	0.29	09/04/24 12:11	
Toluene	ug/L	ND	1.0	0.24	09/04/24 12:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	09/04/24 12:11	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	09/04/24 12:11	
Trichloroethene	ug/L	ND	1.0	0.38	09/04/24 12:11	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	09/04/24 12:11	
Vinyl acetate	ug/L	ND	2.0	1.3	09/04/24 12:11	
Vinyl chloride	ug/L	ND	1.0	0.39	09/04/24 12:11	
Xylene (Total)	ug/L	ND	1.0	0.34	09/04/24 12:11	
1,2-Dichloroethane-d4 (S)	%	94	70-130		09/04/24 12:11	
4-Bromofluorobenzene (S)	%	100	70-130		09/04/24 12:11	
Toluene-d8 (S)	%	100	70-130		09/04/24 12:11	

LABORATORY CONTROL SAMPLE: 4532678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.5	102	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,2-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1-Dichloroethane	ug/L	20	21.7	109	70-130	
1,1-Dichloroethene	ug/L	20	22.6	113	69-131	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4532678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	20	21.6	108	70-132	
1,2,3-Trichlorobenzene	ug/L	20	19.0	95	70-132	
1,2,3-Trichloropropane	ug/L	20	18.2	91	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.1	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.6	98	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.9	104	70-130	
1,3-Dichlorobenzene	ug/L	20	21.3	106	70-130	
1,3-Dichloropropane	ug/L	20	20.7	104	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2,2-Dichloropropane	ug/L	20	21.0	105	69-130	
2-Butanone (MEK)	ug/L	40	32.2	81	67-133	
2-Chlorotoluene	ug/L	20	21.6	108	70-130	
2-Hexanone	ug/L	40	34.9	87	70-133	
4-Chlorotoluene	ug/L	20	21.6	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	33.8	85	70-130	
Acetone	ug/L	40	34.3	86	67-130	
Acrolein	ug/L	100	81.2	81	53-166	
Acrylonitrile	ug/L	100	85.8	86	70-130	
Benzene	ug/L	20	21.4	107	70-130	
Bromobenzene	ug/L	20	20.9	104	70-130	
Bromochloromethane	ug/L	20	21.2	106	70-130	
Bromodichloromethane	ug/L	20	20.4	102	70-130	
Bromoform	ug/L	20	19.6	98	70-133	
Bromomethane	ug/L	20	24.3	121	41-148	
Carbon disulfide	ug/L	20	21.1	106	70-131	
Carbon tetrachloride	ug/L	20	21.6	108	70-130	
Chlorobenzene	ug/L	20	21.1	105	70-130	
Chloroethane	ug/L	20	19.6	98	41-157	
Chloroform	ug/L	20	21.0	105	70-130	
Chloromethane	ug/L	20	22.0	110	59-141	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	20.4	102	70-130	
Dibromomethane	ug/L	20	20.4	102	70-130	
Dichlorodifluoromethane	ug/L	20	18.8	94	54-147	
Diisopropyl ether	ug/L	20	19.7	99	70-130	
Ethyl-tert-butyl ether	ug/L	40	38.4	96	70-130	
Ethylbenzene	ug/L	20	21.2	106	70-130	
Hexachloro-1,3-butadiene	ug/L	20	22.1	110	70-134	
Isopropylbenzene (Cumene)	ug/L	20	21.8	109	70-130	
m&p-Xylene	ug/L	40	42.5	106	70-130	
Methyl-tert-butyl ether	ug/L	20	18.9	94	70-130	
Methylene Chloride	ug/L	20	20.4	102	62-130	

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

LABORATORY CONTROL SAMPLE: 4532678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	20	20.7	104	70-130	
n-Hexane	ug/L	20	20.1	101	68-135	
n-Propylbenzene	ug/L	20	21.6	108	70-130	
Naphthalene	ug/L	20	18.9	94	70-135	
o-Xylene	ug/L	20	21.2	106	70-130	
p-Isopropyltoluene	ug/L	20	21.6	108	70-130	
sec-Butylbenzene	ug/L	20	21.6	108	70-130	
Styrene	ug/L	20	21.6	108	70-130	
tert-Butylbenzene	ug/L	20	21.7	108	64-130	
Tetrachloroethene	ug/L	20	21.6	108	70-130	
Toluene	ug/L	20	21.1	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.7	108	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Trichloroethene	ug/L	20	22.1	110	70-130	
Trichlorofluoromethane	ug/L	20	20.3	102	57-130	
Vinyl acetate	ug/L	40	37.8	94	70-141	
Vinyl chloride	ug/L	20	20.9	105	66-140	
Xylene (Total)	ug/L	60	63.8	106	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4532679 4532680

Parameter	Units	92749703006	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Result									
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	21.6	24.9	108	124	70-146	14	30 H1
1,1,1-Trichloroethane	ug/L	ND	20	20	24.0	26.8	120	134	70-150	11	30 H1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	22.2	24.1	111	121	66-144	8	30 H1
1,1,2-Trichloroethane	ug/L	ND	20	20	21.3	23.5	106	118	70-142	10	30 H1
1,1-Dichloroethane	ug/L	ND	20	20	24.4	27.5	122	138	68-150	12	30 H1
1,1-Dichloroethene	ug/L	0.0031 mg/L	20	20	27.9	31.2	124	140	64-162	11	30 H1
1,1-Dichloropropene	ug/L	ND	20	20	23.8	24.9	119	125	70-160	5	30 H1
1,2,3-Trichlorobenzene	ug/L	ND	20	20	17.9	22.3	90	111	66-151	22	30 H1
1,2,3-Trichloropropane	ug/L	ND	20	20	22.3	23.4	111	117	66-144	5	30 H1
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.1	21.9	96	109	69-147	14	30 H1
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	18.6	21.8	93	109	62-146	16	30 H1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.7	24.6	114	123	70-143	8	30 H1
1,2-Dichlorobenzene	ug/L	ND	20	20	22.2	24.4	111	122	70-142	10	30 H1
1,2-Dichloroethane	ug/L	ND	20	20	23.3	25.7	117	129	68-145	10	30 H1
1,2-Dichloropropane	ug/L	ND	20	20	23.0	26.0	115	130	70-144	12	30 H1
1,3,5-Trimethylbenzene	ug/L		20	20	22.4	25.5	112	128	70-147	13	30 H1
1,3-Dichlorobenzene	ug/L	ND	20	20	22.4	24.7	112	123	70-142	10	30 H1
1,3-Dichloropropane	ug/L	ND	20	20	22.3	24.8	111	124	70-141	11	30 H1

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			4532679		4532680							
Parameter	Units	92749703006	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
		Result	Spike	Spike						RPD	RPD	Qual
			Conc.	Conc.	Result	Result	% Rec	% Rec	Limits			
1,4-Dichlorobenzene	ug/L	ND	20	20	22.4	24.7	112	124	70-140	10	30	H1
2,2-Dichloropropane	ug/L	ND	20	20	24.2	26.9	121	135	58-160	11	30	H1
2-Butanone (MEK)	ug/L	ND	40	40	38.8	45.1	97	113	57-156	15	30	H1
2-Chlorotoluene	ug/L	ND	20	20	22.8	24.8	114	124	70-148	8	30	H1
2-Hexanone	ug/L	ND	40	40	45.4	50.4	113	126	62-153	11	30	H1
4-Chlorotoluene	ug/L	ND	20	20	22.6	24.7	113	123	70-144	9	30	H1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	43.5	48.4	109	121	65-144	11	30	H1
Acetone	ug/L	ND	40	40	43.3	48.0	108	120	49-162	10	30	H1
Acrolein	ug/L		100	100	95.8	108	96	108	10-200	12	30	H1
Acrylonitrile	ug/L		100	100	101	114	101	114	59-155	13	30	H1
Benzene	ug/L	ND	20	20	23.3	25.0	117	125	68-144	7	30	H1
Bromobenzene	ug/L	ND	20	20	20.2	22.8	101	114	70-144	12	30	H1
Bromochloromethane	ug/L	ND	20	20	22.4	25.4	112	127	70-148	13	30	H1
Bromodichloromethane	ug/L	ND	20	20	22.4	24.4	112	122	70-141	8	30	H1
Bromoform	ug/L	ND	20	20	17.7	20.1	89	100	59-144	12	30	H1
Bromomethane	ug/L	ND	20	20	16.1	21.1	81	105	23-190	27	30	H1
Carbon disulfide	ug/L		20	20	22.8	26.0	114	130	64-160	13	30	H1
Carbon tetrachloride	ug/L	ND	20	20	22.9	25.6	115	128	70-147	11	30	H1
Chlorobenzene	ug/L	ND	20	20	21.9	24.0	109	120	70-143	9	30	H1
Chloroethane	ug/L	ND	20	20	23.5	25.0	118	125	55-190	6	30	H1
Chloroform	ug/L	ND	20	20	23.3	25.6	117	128	67-148	10	30	H1
Chloromethane	ug/L	ND	20	20	21.6	26.0	108	130	38-180	19	30	H1
cis-1,2-Dichloroethene	ug/L	ND	20	20	22.9	26.5	115	133	67-151	15	30	H1
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.6	23.7	108	119	70-142	10	30	H1
Dibromochloromethane	ug/L	ND	20	20	19.5	22.0	98	110	68-140	12	30	H1
Dibromomethane	ug/L	ND	20	20	21.5	23.7	108	118	70-142	9	30	H1
Dichlorodifluoromethane	ug/L	ND	20	20	19.8	22.4	99	112	15-200	12	30	H1
Diisopropyl ether	ug/L	ND	20	20	21.1	24.3	105	121	62-149	14	30	H1
Ethyl-tert-butyl ether	ug/L		40	40	40.7	46.5	102	116	64-140	13	30	H1
Ethylbenzene	ug/L	ND	20	20	23.2	25.5	116	127	70-145	10	30	H1
Hexachloro-1,3-butadiene	ug/L	ND	20	20	22.3	25.2	112	126	64-164	12	30	H1
Isopropylbenzene (Cumene)	ug/L		20	20	23.5	26.0	118	130	70-144	10	30	H1
m&p-Xylene	ug/L	ND	40	40	46.9	50.4	117	126	70-148	7	30	H1
Methyl-tert-butyl ether	ug/L	ND	20	20	19.7	22.2	97	109	64-146	12	30	H1
Methylene Chloride	ug/L	ND	20	20	24.2	26.7	121	133	54-149	10	30	H1
n-Butylbenzene	ug/L		20	20	24.4	27.5	122	138	70-154	12	30	H1
n-Hexane	ug/L		20	20	21.6	24.4	108	122	56-173	12	30	H1
n-Propylbenzene	ug/L		20	20	23.1	26.3	115	131	70-140	13	30	H1
Naphthalene	ug/L	ND	20	20	17.4	21.0	87	105	62-154	19	30	H1
o-Xylene	ug/L	ND	20	20	22.3	24.7	112	123	70-145	10	30	H1
p-Isopropyltoluene	ug/L	ND	20	20	23.2	27.3	116	137	70-153	16	30	H1
sec-Butylbenzene	ug/L		20	20	24.1	27.6	120	138	70-145	14	30	H1
Styrene	ug/L	ND	20	20	22.5	24.5	112	123	70-147	9	30	H1
tert-Butylbenzene	ug/L		20	20	19.0	21.9	95	109	66-130	14	30	H1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4532679 4532680												
Parameter	Units	92749703006 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	
			Spike Conc.	Spike Conc.							RPD	Qual
Tetrachloroethene	ug/L	ND	20	20	20.3	21.9	101	110	70-145	8	30	H1
Toluene	ug/L	ND	20	20	22.5	24.1	113	121	65-146	7	30	H1
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.8	27.2	119	136	69-155	13	30	H1
trans-1,3-Dichloropropene	ug/L	ND	20	20	23.1	25.2	115	126	70-142	9	30	H1
Trichloroethene	ug/L	ND	20	20	22.9	24.5	114	123	70-152	7	30	H1
Trichlorofluoromethane	ug/L	ND	20	20	21.8	23.4	109	117	60-158	7	30	H1
Vinyl acetate	ug/L	ND	40	40	41.2	48.3	103	121	56-157	16	30	H1
Vinyl chloride	ug/L	ND	20	20	22.0	23.9	110	120	51-178	8	30	H1
Xylene (Total)	ug/L	ND	60	60	69.2	75.0	115	125	70-146	8	30	
1,2-Dichloroethane-d4 (S)	%						114	110	70-130			
4-Bromofluorobenzene (S)	%						100	102	70-130			
Toluene-d8 (S)	%						104	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 880465

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260D MSV TCLP

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616053, 92749616054

LABORATORY CONTROL SAMPLE: 4534423

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	20	25.1	125	69-131	
1,2-Dichloroethane	ug/L	20	25.7	129	70-130	
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	40	40.7	102	67-133	
Benzene	ug/L	20	25.5	128	70-130	
Carbon tetrachloride	ug/L	20	23.6	118	70-130	
Chlorobenzene	ug/L	20	19.7	98	70-130	
Chloroform	ug/L	20	25.3	126	70-130	
Tetrachloroethene	ug/L	20	20.1	100	70-130	
Trichloroethene	ug/L	20	24.7	123	70-130	
Vinyl chloride	ug/L	20	24.5	123	66-140	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			106	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4534425 4534426

Parameter	Units	92750337001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	20	20	ND	ND	117	120	64-162		30	
1,2-Dichloroethane	ug/L	ND	20	20	ND	ND	109	123	68-145		30	
1,4-Dichlorobenzene	ug/L	ND	20	20	ND	ND	100	91	70-140		30	
2-Butanone (MEK)	ug/L	ND	40	40	ND	ND	129	117	57-156		30	
Benzene	ug/L	ND	20	20	ND	ND	109	103	68-144		30	
Carbon tetrachloride	ug/L	ND	20	20	ND	ND	81	82	70-147		30	
Chlorobenzene	ug/L	ND	20	20	ND	ND	91	98	70-143		30	
Chloroform	ug/L	ND	20	20	ND	ND	140	118	67-148		30	
Tetrachloroethene	ug/L	ND	20	20	ND	ND	69	81	70-145		30	M1
Trichloroethene	ug/L	ND	20	20	ND	ND	110	69	70-152		30	M1
Vinyl chloride	ug/L	ND	20	20	ND	ND	105	107	51-178		30	
1,2-Dichloroethane-d4 (S)	%						103	108	70-130			
4-Bromofluorobenzene (S)	%						103	111	70-130			
Toluene-d8 (S)	%						105	108	70-130			

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 878314

Analysis Method: SW-846

QC Batch Method: SW-846

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616001, 92749616002

SAMPLE DUPLICATE: 4524047

Parameter	Units	92749471001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.5	26.5	0	25	N2

SAMPLE DUPLICATE: 4524048

Parameter	Units	92749616002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	15.4	5	25	N2

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 878339

Analysis Method: SW-846

QC Batch Method: SW-846

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616016, 92749616017, 92749616018, 92749616019, 92749616020, 92749616021, 92749616022, 92749616023, 92749616024, 92749616025, 92749616026, 92749616027, 92749616028, 92749616029, 92749616030, 92749616031, 92749616032, 92749616033, 92749616034, 92749616035

SAMPLE DUPLICATE: 4524131

Parameter	Units	92749616019 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.0	20.4	2	25	N2

SAMPLE DUPLICATE: 4524132

Parameter	Units	92749616035 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	21.2	3	25	N2

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 878342

Analysis Method: SW-846

QC Batch Method: SW-846

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616003, 92749616004, 92749616005, 92749616006, 92749616007, 92749616008, 92749616009, 92749616010, 92749616011, 92749616012, 92749616013, 92749616014, 92749616015

SAMPLE DUPLICATE: 4524137

Parameter	Units	92749008001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.0	8.4	5	25	N2

SAMPLE DUPLICATE: 4524138

Parameter	Units	92749616015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.3	19.3	0	25	N2

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QUALITY CONTROL DATA

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

QC Batch: 878597

Analysis Method: SW-846

QC Batch Method: SW-846

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92749616036, 92749616037, 92749616038

SAMPLE DUPLICATE: 4525288

Parameter	Units	92748868001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.3	13.4	1	25	N2

SAMPLE DUPLICATE: 4525289

Parameter	Units	92749616037 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.2	14.4	12	25	N2

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QUALIFIERS

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

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.
Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
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

AC	Analysis of acrolein and/or acrylonitrile was performed from a sample that was field preserved to pH < 2, which is less than the pH range of 4-5 specified in the test method and required for NPDES compliance per 40CFR Part 136.
C0	Result confirmed by second analysis.
C9	Common Laboratory Contaminant.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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QUALIFIERS

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

ANALYTE QUALIFIERS

- | | |
|----|---|
| v2 | The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard. |
| v3 | The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92749616001	SB-6 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616002	SB-7 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616003	SB-7 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616004	SB-8 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616005	SB-8 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616006	SB-9 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616007	SB-9 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616008	SB-10 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616009	SB-10 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616010	SB-1 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616011	SB-1 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616012	SB-2 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616013	SB-2 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616014	SB-3 (0-2)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616015	SB-3 (2-5)	EPA 5035A/5030B	880045	EPA 8260D	880170
92749616016	SB-4 (0-2)	EPA 5035A/5030B	880272	EPA 8260D	880305
92749616017	SB-4 (2-5)	EPA 5035A/5030B	880272	EPA 8260D	880305
92749616018	SB-5 (0-2)	EPA 5035A/5030B	880272	EPA 8260D	880305
92749616019	SB-5 (2-5)	EPA 5035A/5030B	880272	EPA 8260D	880305
92749616020	SB-11 (0-2)	EPA 5035A/5030B	880272	EPA 8260D	880305
92749616021	SB-11 (2-5)	EPA 5035A/5030B	880272	EPA 8260D	880305
92749616022	SB-12 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616023	SB-12 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616024	SB-13 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616025	SB-13 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616026	SB-14 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616027	SB-14 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616028	SB-15 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616029	SB-15 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616030	SB-16 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616031	SB-16 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616032	SB-17 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616033	SB-17 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616034	SB-18 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616035	SB-18 (2-5)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616036	SB-19 (0-2)	EPA 5035A/5030B	880284	EPA 8260D	880409
92749616037	SB-19 (2-5)	EPA 5035A/5030B	880288	EPA 8260D	880412
92749616038	DUP-01	EPA 5035A/5030B	880288	EPA 8260D	880412
92749616039	AW-24	EPA 8260D	878555		
92749616040	AW-22	EPA 8260D	878555		
92749616041	AW-7	EPA 8260D	879008		
92749616042	AW-9	EPA 8260D	879008		
92749616043	AW-10	EPA 8260D	879008		
92749616044	AW-30	EPA 8260D	879008		
92749616045	AW-27	EPA 8260D	879008		
92749616046	AW-15	EPA 8260D	879008		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Apex Tool Group, Cullman AL

Pace Project No.: 92749616

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92749616047	AW-18	EPA 8260D	879007		
92749616048	AW-20	EPA 8260D	879007		
92749616049	AW-29	EPA 8260D	879008		
92749616050	AW-4	EPA 8260D	879007		
92749616051	AW-28	EPA 8260D	879007		
92749616052	DUP-01	EPA 8260D	879007		
92749616055	EB-1	EPA 8260D	878654		
92749616056	TRIP BLANK	EPA 8260D	880086		
92749616053	IDW-1	EPA 8260D	880465		
92749616054	IDW-2	EPA 8260D	880465		
92749616001	SB-6 (2-5)	SW-846	878314		
92749616002	SB-7 (0-2)	SW-846	878314		
92749616003	SB-7 (2-5)	SW-846	878342		
92749616004	SB-8 (0-2)	SW-846	878342		
92749616005	SB-8 (2-5)	SW-846	878342		
92749616006	SB-9 (0-2)	SW-846	878342		
92749616007	SB-9 (2-5)	SW-846	878342		
92749616008	SB-10 (0-2)	SW-846	878342		
92749616009	SB-10 (2-5)	SW-846	878342		
92749616010	SB-1 (0-2)	SW-846	878342		
92749616011	SB-1 (2-5)	SW-846	878342		
92749616012	SB-2 (0-2)	SW-846	878342		
92749616013	SB-2 (2-5)	SW-846	878342		
92749616014	SB-3 (0-2)	SW-846	878342		
92749616015	SB-3 (2-5)	SW-846	878342		
92749616016	SB-4 (0-2)	SW-846	878339		
92749616017	SB-4 (2-5)	SW-846	878339		
92749616018	SB-5 (0-2)	SW-846	878339		
92749616019	SB-5 (2-5)	SW-846	878339		
92749616020	SB-11 (0-2)	SW-846	878339		
92749616021	SB-11 (2-5)	SW-846	878339		
92749616022	SB-12 (0-2)	SW-846	878339		
92749616023	SB-12 (2-5)	SW-846	878339		
92749616024	SB-13 (0-2)	SW-846	878339		
92749616025	SB-13 (2-5)	SW-846	878339		
92749616026	SB-14 (0-2)	SW-846	878339		
92749616027	SB-14 (2-5)	SW-846	878339		
92749616028	SB-15 (0-2)	SW-846	878339		
92749616029	SB-15 (2-5)	SW-846	878339		
92749616030	SB-16 (0-2)	SW-846	878339		
92749616031	SB-16 (2-5)	SW-846	878339		
92749616032	SB-17 (0-2)	SW-846	878339		
92749616033	SB-17 (2-5)	SW-846	878339		
92749616034	SB-18 (0-2)	SW-846	878339		
92749616035	SB-18 (2-5)	SW-846	878339		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Apex Tool Group, Cullman AL
Pace Project No.: 92749616

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92749616036	SB-19 (0-2)	SW-846	878597		
92749616037	SB-19 (2-5)	SW-846	878597		
92749616038	DUP-01	SW-846	878597		

REPORT OF LABORATORY ANALYSIS



DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

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Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐Sample Condition
Upon Receipt

Client Name:

One Environmental Group

Project

WO#: 92749616

Courier:

☐ Commercial☒ Fed Ex☐ UPS☐ USPS☐ Client☐ Pace☐ Other: _____

92749616

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☐ No ☒ N/A

Date/Initials Person Examining Contents: HJB 8/26

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer:

☒ IR Gun ID:

927076

Type of Ice:

☒ Wet☐ Blue☐ None

Cooler Temp:

5.3, 4.5

Correction Factor:

Add/Subtract (°C)

0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

5.3, 4.5

USDA Regulated Soil (☐ N/A, water sample)Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☒ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

Comments/Discrepancy:

Chain of Custody Present?	☒ Yes ☐ No ☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes ☐ No ☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes ☒ No ☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes ☒ No ☐ N/A	4.
Sufficient Volume?	☒ Yes ☐ No ☐ N/A	5.
Correct Containers Used?	☒ Yes ☐ No ☐ N/A	6.
-Pace Containers Used?	☒ Yes ☐ No ☐ N/A	
Containers Intact?	☒ Yes ☐ No ☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes ☐ No ☒ N/A	8.
Sample Labels Match COC?	☒ Yes ☐ No ☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT, SL		
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☒ No ☐ N/A	10.
Trip Blank Present?	☒ Yes ☐ No ☐ N/A	11.
Trip Blank Custody Seals Present?	☒ Yes ☐ No ☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____

Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

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*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92749616

PM: MWB

Due Date: 09/10/24

CLIENT: 92-One Env

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client: One Environmental Group Profile (EZ) (Circle one) 3142171 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

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*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

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Project #

WO#: 92749616

PM: MWB

Due Date: 09/10/24

CLIENT: 92-One Env

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client: One Environmental Group Profile (EZ) (Circle one) 3142171 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A) (Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V3GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

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Project #

WO#: 92749616

PM: MWB

Due Date: 09/10/24

CLIENT: 92-One Env

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client: One Environmental Group Profile (Circle one) 314217 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A) (Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3B-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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Project #

WO#: 92749616

PM: MWB

Due Date: 09/10/24

CLIENT: 92-One Env

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client: One Environmental Group Profile/EZ (Circle one) 314217 Notes

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Project #

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Due Date: 09/10/24

CLIENT: 92-One Env

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client: One Environmental Group Profile/EZ (Circle one) 3142171 Notes

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pH Adjustment Log for Preserved Samples

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Pace® Location Requested (City/State): 66T JO 26T 000 Pace Analytical Charlotte 9800 Kinney Ave. Suite 100, Huntersville, NC 28078		CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields		LAB USE ONLY- Affix Workorder/Login Label Here																																																																																																																							
Company Name: One Environmental Group, LLC Street Address: PO Box 30245, Charlotte, NC 28230		Contact/Report To: Dylan Gottlieb Phone #: (919)665-8937 E-Mail: dgottlieb@oneenv.com Cc E-Mail:		Scan QR Code for instructions																																																																																																																							
Customer Project #: Project Name: Apex Tool Group, Cullman AL		Invoice To: Dylan Gottlieb Invoice E-Mail: dgottlieb@oneenv.com Purchase Order # (if applicable): NC0308-0023-08 Quote #:		Specify Container Size ** Identify Container Preservative Type*** Analysis Requested																																																																																																																							
Site Collection Info/Facility ID (as applicable):		County / State origin of sample(s): Alabama		**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other																																																																																																																							
Time Zone Collected: [] AK [] PT [] MT [☒ CT [] ET		Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other _____ Date Results Requested: _____ Field Filtered (if applicable): [] Yes [] No Analysis: _____		Proj. Mgr: Matthew Brainard AcctNum / Client ID: Table #: Profile / Template: 17239 Prelog / Bottle Ord. ID: EZ 3142171 Sample Comment																																																																																																																							
Data Deliverables: ☒ Level II [] Level III [] Level IV [] EQUIS [] Other		* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)		Lab Use Only 8260 VOCs 8260D+ Acrolein TCLP- 8260																																																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Customer Sample ID</th> <th rowspan="2">Matrix *</th> <th rowspan="2">Comp / Grab</th> <th colspan="2">Composite Start</th> <th colspan="2">Collected or Composite End</th> <th rowspan="2"># Cont.</th> <th colspan="2">Res. Chlorine</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>Date</th> <th>Time</th> <th>Results</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>SB-16 (0-2)</td> <td>SS</td> <td>COMP</td> <td></td> <td></td> <td>8/22/24</td> <td>1230</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>SB-16 (2-5)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1232</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SB-17 (0-2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1249</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SB-17 (2-5)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1252</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SB-18 (0-2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1255</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SB-18 (2-5)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1257</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SB-19 (0-2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1310</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SB-19 (2-5)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1313</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DUP-01</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>~~DUP-01~~</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		Date	Time	Date	Time	Results	Units	SB-16 (0-2)	SS	COMP			8/22/24	1230	3			SB-16 (2-5)						1232				SB-17 (0-2)						1249				SB-17 (2-5)						1252				SB-18 (0-2)						1255				SB-18 (2-5)						1257				SB-19 (0-2)						1310				SB-19 (2-5)						1313				DUP-01						1000				~~DUP-01~~										Collected By: Dylan Gottlieb Signature: <i>Dylan Gottlieb</i>		Customer Remarks / Special Conditions / Possible Hazards:			
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Pace® Location Requested (City/State): 66T JO 86T 800 Pace Analytical Charlotte 9800 Kinney Ave. Suite 100, Huntersville, NC 28078			CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields			LAB USE ONLY- Affix Workorder/Login Label Here Scan QR Code for instructions																																																																																																																			
Company Name: One Environmental Group, LLC Street Address: PO Box 30245, Charlotte, NC 28230			Contact/Report To: Dylan Gottlieb Phone #: (919)665-8937 E-Mail: dgottlieb@oneenv.com Cc E-Mail:			Specify Container Size ** Identify Container Preservative Type*** Analysis Requested																																																																																																																			
Customer Project #:			Invoice To: Dylan Gottlieb Invoice E-Mail: dgottlieb@oneenv.com																																																																																																																						
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Company Name: One Environmental Group, LLC Street Address: PO Box 30245, Charlotte, NC 28230		Contact/Report To: Dylan Gottlieb Phone #: (919)665-8937 E-Mail: dgottlieb@oneenv.com Cc E-Mail:		Specify Container Size ** Identify Container Preservative Type*** Analysis Requested																																																																																																			
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Carus Remediation Technologies
Remediation Report

September 5, 2024

Customer: ONE Environmental Group
1431 West Morehead Street
Charlotte, NC 28208

Attention: Dylan Gottlieb

From: T. Colgan

TECH # 24-104

Subject: RemOx[®] S ISCO Reagent Permanganate Natural Oxidant Demand

Summary

The overall average RemOx[®] S ISCO reagent permanganate natural oxidant demand (PNOD) at 48 hours for the soil samples was determined to be 2.1 g/kg. The average demands ranged from 2.0 g/kg to 2.2 g/kg. These values are calculated on a weight as potassium permanganate (KMnO₄) per dry weight of soil.

Background

One soil sample was received from ONE Environmental Group from the ATC Cullman project located in Cullman, AL. The soil sample designation was PNOD-1. The sample was analyzed for permanganate natural oxidant demand. The measurement of the permanganate natural oxidant demand is used to estimate the concentration of permanganate that will be consumed by the natural reducing agents during a given time period of 48 hours.

Experimental

The samples were analyzed for permanganate natural oxidant demand following ASTM D7262-10 Test Method A. A brief summary is as follows:

To determine the PNOD, the soil was baked at 105°C for 24 hours then allowed to cool to room temperature. The soil was then blended and passed through a U.S. 10 sieve (2 mm). Reactors were loaded with 50 grams of soil and 100 mL of 20 g/L KMnO₄ for an initial dose of 40 g/kg KMnO₄ on a dry soil weight basis at a 1:2 soil to aqueous reagent ratio. Each soil dose was performed in triplicate. The reaction vessels were inverted once to mix the reagents. Residual permanganate (MnO₄⁻) was determined at 48 hours. The demands were calculated on a dry weight basis.

Results

The permanganate demand is the amount of permanganate consumed in a given amount of time. It should be noted that in a soil or groundwater sample, the oxidation of any compound by permanganate is dependent on the initial dose of permanganate and the reaction time available. As the permanganate dose is increased, the reaction rate and oxidant consumption may also increase. Some compounds that are not typically oxidized by permanganate under low doses can become reactive with permanganate at higher concentrations. The 48-hour PNOD results can be seen in Table 1 (on a dry soil basis).

Table 1: 48-Hour PNOD *

Soil Sample Identification	Average and Standard Deviation (g/kg)	Replicate 1 (g/kg)	Replicate 2 (g/kg)	Replicate 3 (g/kg)
PNOD-1	2.1 ± 0.13	2.0	2.2	2.0
Overall Average	2.1			

*Demands were calculated on a weight NaMnO₄/dry soil weight basis from an initial dose of 40.0 g/kg NaMnO₄ initial dose at a 1:2 soil to aqueous solution ratio.

Conclusions

For this application the amount of permanganate needed will be dependent on the reaction time allowed. On average, the soil samples had a 48-hour permanganate demand value of 2.1 g/kg. The average demands ranged from 2.0 g/kg to 2.2 g/kg. Generally, remediation sites with a soil demand of less than 20.0 g/kg at the time of interest are favorable for *in situ* chemical oxidation with permanganate (see Table 2 for additional information).

Table 2: Correlation of Permanganate Natural Oxidant Demand Results*

PNOD (g/kg)	Rank	Comment
<10	Low	ISCO with MnO ₄ ⁻ is recommended. Soil contribution to MnO ₄ ⁻ demand is low.
10-20	Moderate	ISCO with MnO ₄ ⁻ is recommended. Soil contribution to MnO ₄ ⁻ demand is moderate. Economics should be considered.
>20	High	ISCO with MnO ₄ ⁻ is technically feasible. Other technologies may provide lower cost alternatives.

*Dry Weight Basis

APPENDIX C

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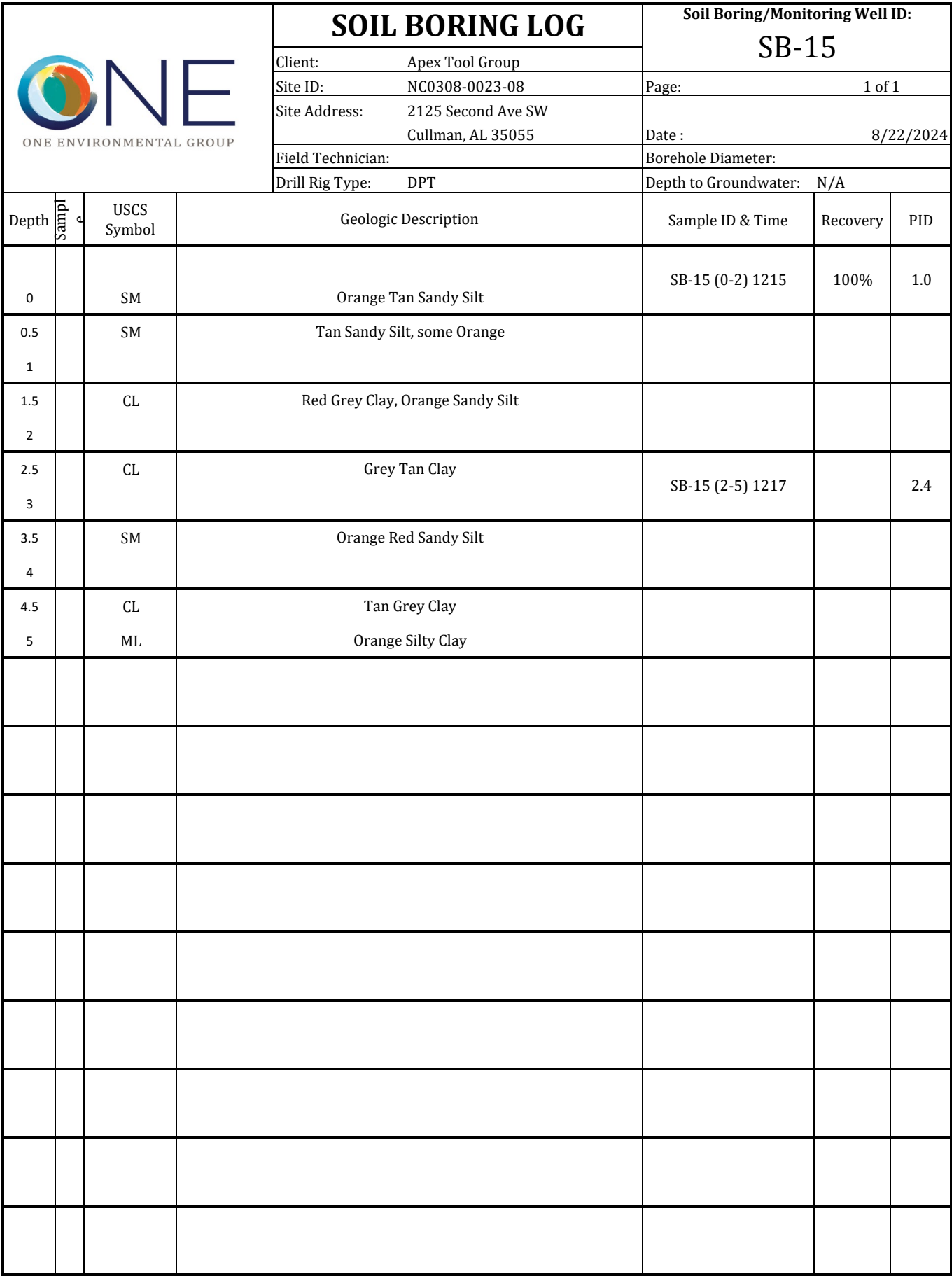
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APPENDIX D

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Carus Remediation Technologies

RemOx[®] S and RemOx[®] L ISCO Reagents Estimation Spreadsheet

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Site Name: ATG - Cullman, AL (AOC-4)

Date: 11/18/2024

	Estimates	Units		Estimates	Units
Treatment Area Volume			Injection Volume for RemOx S		
Length	50	ft	Injection Concentration	2.0%	%
Width	100	ft	Total Volume of Injection Fluid	130,577	gal
Area	5,000	sq ft	Pore Volume Replaced	77.58	%
Thickness	15	ft			
Total Volume	2,778	cu yd	Amount of RemOx S Estimated:	21,780	pounds
Soil Characteristics/Analysis			Injection Volume for RemOx L		
Porosity	30	%	Injection Concentration	2.5%	%
Total Plume Pore Volume	168,312	gal	Calculated Specific Gravity	0.98	g/ml
Avg Contaminant Conc	235	ppm	Total Volume of Injection Fluid	95,208	gal
Mass of Contaminant	330.09	lb	Pore Volume Replaced	56.57	%
PNOD	2.1	g/kg			
Effective PNOD	100	%	Amount of RemOx L Estimated:	48,897	pounds
Effective PNOD Calculated	2.100			4,278	gallons
PNOD Oxidant Demand	17,325	lb			
Avg Stoichiometric Demand	2.5	lb/lb			
Contaminant Oxidant Demand	825.22	lb			
Theoretical Oxidant Demand	18,150	lb			
Confidence Factor	1.2				
Calculated Oxidant Demand	21,780				

CRT



Carus Remediation Technologies

RemOx[®] S and RemOx[®] L ISCO Reagents Estimation Spreadsheet

Input data into box with black font

Site Name: ATG - Cullman, AL (Plume)

Date: 11/18/2024

	Estimates	Units		Estimates	Units
Treatment Area Volume			Injection Volume for RemOx S		
Length	300	ft	Injection Concentration	2.0%	%
Width	30	ft	Total Volume of Injection Fluid	78,931	gal
Area	9,000	sq ft	Pore Volume Replaced	26.05	%
Thickness	15	ft			
Total Volume	5,000	cu yd	Amount of RemOx S Estimated:	13,166	pounds
Soil Characteristics/Analysis			Injection Volume for RemOx L		
Porosity	30	%	Injection Concentration	2.5%	%
Total Plume Pore Volume	302,961	gal	Calculated Specific Gravity	0.98	g/ml
Avg Contaminant Conc	7.75	ppm	Total Volume of Injection Fluid	57,551	gal
Mass of Contaminant	19.59	lb	Pore Volume Replaced	19.00	%
PNOD	2.1	g/kg			
Effective PNOD	30	%	Amount of RemOx L Estimated:	29,557	pounds
Effective PNOD Calculated	0.630			2,586	gallons
PNOD Oxidant Demand	9,356	lb			
Avg Stoichiometric Demand	2.48	lb/lb			
Contaminant Oxidant Demand	48.59	lb			
Theoretical Oxidant Demand	9,404	lb			
Confidence Factor	1.4				
Calculated Oxidant Demand	13,166				