Former Cleansing Tide Shopping Center
Tuscaloosa, Tuscaloosa County, Alabama
ADEM VCP Site #: 461-125-26001

Fact Sheet

An initial Voluntary Property Assessment Report and Environmental Covenant have been found to be technically adequate by the Alabama Department of Environmental Management (ADEM) for **Former Cleansing Tide Shopping Center** in Tuscaloosa, 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" for 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

ADEM is proposing to issue the Former Cleansing Tide Shopping Center a decision for the site remediation. The Voluntary Property Assessment Report and Environmental Covenant include a proposal of the implementation of institutional and engineering controls by placing an environmental covenant on the subject property and a vapor mitigation via the installation of a Geo-Seal EV40 system.

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 July 14, 2026, which is the date of publication of the public notice in major local newspaper(s) of general circulation and will end on August 13, 2026.

All persons wishing to comment on any of the conditions of the VCP Remediation should submit their comments in writing to ADEM, 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 ADEM and be received by August 13, 2026. If you wish to receive such notices, contact the Permits & Services Division via telephone (334-271-7714), e-mail (permitsmail@adem.alabama.gov).

ADEM will consider all written comments received during the comment period while making a final decision on this issue. When ADEM 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

CBA Properties, LLC has completed site investigation activities under the VCP at Former Cleansing Tide Shopping Center located at 1405 & 1431 Hackberry Lane, Tuscaloosa AL. Currently the subject property consists of 7,597 square feet two-parcel building that comprises a multi-tenant shopping center. The shopping center has been occupied by Cleansing Tide, a laundromat, and The Package store, a liquor store. CBA Properties, LLC proposes implementing institutional and engineering controls through an environmental covenant and a vapor mitigation via the installation of a Geo-Seal EV40 system.

IV. TECHNICAL CONTACT

Crystal L. Collins, Chief
Redevelopment Unit
Land Division
Alabama Department of Environmental Management
Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 279-3067

PARTLOW GEOLOGICAL

April 29, 2026

Mrs. Alyce Crayton
Redevelopment Unit
Land Division
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, Alabama 36130-1463

Subject: **Voluntary Cleanup Plan & Implementation Report**
Former Cleansing Tide Shopping Center
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401
ADEM VCP Site No.: 461-125-26001
Partlow Geological, LLC Project #: 201401

Dear Mrs. Crayton,

On behalf of the Voluntary Cleanup Program Applicant, CBA Properties, LLC, Partlow Geological has prepared this report for the above-referenced site per the Alabama Land Recycling and Economic Redevelopment Act (ALRERA) and in accordance with ADEM Administrative Code R. 335-15-4-.04 Voluntary Cleanup-Work Plans.

If you have any questions or comments regarding the content or recommendations set forth in this report, please call us at (205) 292-5871.

Sincerely,

Partlow Geological, LLC

Jackson P. Partlow P.G. #1512

cc: Mr. Chase Adcox (CBA Properties, LLC)

cc: Madison Collins (CBA Properties, LLC)

cc: Charmagne L. Boyd (ADEM Redevelopment Section)

cc: Austin Pierce, P.E.(ADEM Industrial Hazardous Waste Branch)

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Voluntary Cleanup Plan & Implementation Report

Former Cleansing Tide Shopping Center
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401

ADEM VCP Site No.: 461-125-26001

Partlow Geological, LLC Project No: 201401

Prepared for:

CBA Properties LLC
1904 University Blvd
Tuscaloosa, AL 35401
ATTN: Chase Adcox

April 29, 2026

PREPARED BY:

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CERTIFICATION PAGE

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who directly gathered the enclosed information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including fines and imprisonment for knowing violations."

Jackson P. Partlow

Signed

Jackson P. Partlow

Printed

AL-P.G. #1512

Registration Number

4/29/26

Date



1.0 INTRODUCTION

Partlow Geological was retained by CBA Properties LLC to prepare the following Voluntary Cleanup Plan for the Former Cleansing Tide Shopping Center. This report has been prepared based on the Alabama Land Recycling and Economic Redevelopment Act (ALRERA) Voluntary Cleanup Program (VCP) Application dated October 6, 2025.

Partlow Geological, LLC (Partlow Geological) prepared this document on behalf of CBA Properties, LLC (hereinafter "the Applicant") to achieve the following objectives:

1. Present a viable Voluntary Cleanup Plan to address COCs detected in onsite soil, groundwater, and soil vapor
2. Develop a remedial framework to eliminate potential vapor intrusion risks during the Site's redevelopment;
3. Obtain Alabama Department of Environmental Management (ADEM) approval of this Voluntary Cleanup Plan

To achieve these objectives, Partlow Geological will oversee the installation of an impermeable vapor barrier beneath the proposed building slabs. The following sections contain the required elements of a Voluntary Cleanup Plan (as outlined in ADEM Administrative Code 335-15-4-.04). Accordingly, this Voluntary Cleanup Plan will *"describe in sufficient detail those actions necessary to return the property to residential quality use, or at a minimum include restrictions such as land use controls, if appropriate to satisfy the cleanup requirements for the qualifying property (ADEM Administrative Code 3354-.04(1))."*

As outlined in Sections 4.0 and 5.0 of this document, the remedy for this Site comprises the following:

1. Submit the documentation of the installation of the vapor barrier under the proposed buildings;
2. Development of a soil management plan to be used during redevelopment;
3. Submit a Voluntary Cleanup report for your review and approval;

As outlined in Sections 7.0 and 8.0 of this document, the Cleanup Implementation Report for this Site comprises the following:

1. Submit the documentation of the installation of the vapor barrier under the new buildings;
2. Submit a Voluntary Cleanup Implementation Report for your review and approval.

1.1 SITE DESCRIPTION

The former Cleansing Tide Shopping Center (hereinafter the "Site") is located on Hackberry Lane near the intersection of 14th Street in Tuscaloosa, Alabama, and is depicted on the United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Tuscaloosa, Alabama, dated 2024 (**Figure 1**). As indicated in **Figure 1**, the Site is approximately located at latitude 33° 12’ 00.32” North and longitude 87° 32’ 33.69" West and comprises approximately 0.94 acres.

The Site is currently vacant, with four new buildings under development, intended for a mixed-use student-housing triplex. A private residence (approximately 890 square feet, constructed in 1947) and a multi-tenant shopping center (approximately 7,597 square feet, constructed in 1960) were demolished in November 2025. A Site plan illustrating structures and approximate boundaries is included as **Figure 2**. As shown in **Figure 2**, the Site is currently under development. Four new buildings are being constructed on the western side of the Site, with a paved parking lot behind the buildings.

1.2 SITE HISTORY

Historical sources indicate that the northern side of the Site was first developed in 1947 with a single dwelling, and the southern side was developed prior to 1950 with a single dwelling. Between 1950 and 1960, the first dwelling on the southern half was demolished and replaced with a multi-tenant shopping center. In 1960, the occupants included a music shop, barbershop, hair salon, self-service laundromat, and convenience store. Later, a nail salon, a children's clothing store, and a liquor store were also tenants. The remainder of the Site was utilized as parking. The Site was vacated in October 2025, and demolition was completed in November 2025.

1.3 SUMMARY OF PREVIOUS INVESTIGATIONS

Assessment tasks completed to date have included Phase I Environmental Site Assessments (ESAs) dated August 11, 2025, a Phase II Environmental Site Assessment (ESA) dated October 6, 2025, and a Soil Vapor Intrusion Investigation dated December 14, 2025.

1.3.1 AUGUST 2025 PHASE I ENVIRONMENTAL SITE ASSESSMENT

As detailed below, the assessments completed between August and December 2025 identified evidence of recognized environmental conditions (REC) associated with the Site's historical dry-cleaning operations. Those assessment results identified the onsite historical dry cleaner and the offsite historical dry cleaners as contributing sources of contamination.

The 2025 Phase I ESA provided information regarding the potential for a REC on the southern half of the Site. At the time of the assessment, it was deemed unnecessary to recognize the northern half as a potential source of contamination. The environmental database search (EDR City Directory Report) indicated that the following businesses once occupied the southern half of the Site: Northington Norge Village Laundry from 1965 to 1978, Washhouse Laundromat from 1978 to 1983, and Cleansing Tide from 1987 to 2025. No filings were found in ADEM or the Environmental Protection Agency (EPA) systems. The Phase I ESA identified Penny Profit Dry Cleaners, an off-site former laundromat, as a REC. The former Penny Profit Dry Cleaners, an adjacent off-site REC, was identified as having PCE contamination in the groundwater and sub-slab/soil vapor. As a result, a Phase II ESA was recommended to assess the soil and groundwater potential of RECs.

1.3.2 AUGUST 2025 PHASE II SOIL INVESTIGATION

Challenge Testing Inc. (CTI) was the drilling contractor. CTI and Partlow Geological personnel mobilized to the Site on August 14, 2025. Soil testing and installation of temporary monitoring wells over five boreholes were conducted. The soil borings were advanced to refusal, utilizing a

direct-push technology (DPT) drill rig. Sampling was conducted at 2 to 4 feet below the surface (BLS) and before the water table was reached by Partlow Geological from five boreholes using sampling kits provided by Waypoint Analytical. The metals arsenic, barium, cadmium, chromium, and/or lead were detected in the samples. One VOC constituent, acetone, was detected in samples BH-1.1, BH-2.3, and BH-2.4. The concentrations detected were compared to their respective United States Environmental Protection Agency Regional Screening Levels (RSLs) for Residential Soils dated November 2024. Arsenic was detected above residential values in samples BH-1.1, BH-1.2, BH-2.3, BH-2.4, BH-3.5, BH-4.7, BH-5.9, BH-6.11, and BH-6.12. All other testing was below residential values.

1.3.3 SEPTEMBER 2025 PHASE II SOIL & GROUNDWATER INVESTIGATION

During the initial soil investigation conducted on August 14, 2025, CTI installed temporary monitoring wells over the five boreholes. On September 4, 2025, Partlow Geological personnel mobilized back onsite for the groundwater testing in the five temporary monitoring wells and to conduct soil testing on the northern half of the Site. A mechanically operated, 2-inch diameter, hand auger was used to facilitate sampling at BH-6.11 and BH-6.12. Two soil samples were collected at a depth of 1.5 to 2 feet below the surface (BLS with a hand-held auger and placed in glass jars provided by Waypoint Analytical. Groundwater testing of the five temporary monitoring wells was conducted using disposable Bottom-Weighted Teflon Bailers, one per well, to prevent cross-contamination among the wells. Water levels were recorded, and the first set of groundwater samples from each well was disposed of. Groundwater was then collected and placed in sampling jars provided by Waypoint Analytical. The soil investigation detected the metals arsenic, barium, cadmium, chromium, and/or lead in the samples. The concentrations detected were compared to their respective United States Environmental Protection Agency Regional Screening Levels (RSLs) for Residential Soils dated November 2024. Arsenic was detected above residential values.

One groundwater sample was collected from TMW-1 through TMW-5 for VOC and RCRA metal analysis. Waypoint Analytical tested the samples for RCRA metals and VOCs using the United States EPA testing methods 6010D, 7470A, and 5030A/8260B. The metals arsenic, barium, cadmium, chromium, mercury, and/or lead were detected in the samples. Two VOC constituents, acetone and tetrachloroethylene (PCE), were detected in the samples. No other metals or VOCs were detected in the samples tested. The concentrations detected were compared to their respective United States Environmental Protection Agency Regional Screening Levels (RSLs) dated November 2024. The RSLs used for comparison were the maximum contaminant levels for protection of groundwater values (RSL) and the maximum contaminant levels for tap water (MCL). Arsenic was detected at levels exceeding the maximum contaminant levels for protecting groundwater values in samples TMW-1 and TMW-2. Tetrachloroethylene (PCE) was detected at levels exceeding the maximum contaminant levels for tap water in samples TMW-2 and TMW-5. All other testing was below maximum contaminant levels for “protection of groundwater” and “tap water” values. After the completion of the above-referenced investigations, it was recommended that the site be further assessed under the VCP. A VCP Application was submitted to ADEM on October 6, 2025. ADEM approved the Application in correspondence dated October 14, 2025.

1.3.4 NOVEMBER 2025 DEMOLITION OF BUILDING

Demolition of the existing buildings and parking lot began on November 4, 2025, and was completed by November 17, 2025. Indian Creek Excavating conducted the demolition. Due to the demolition schedule at the Site and the arsenic levels discovered prior to demolition, Partlow Geological recommended that all demolition sediments be piled and left on the Site until our assessment was completed. A draft copy of the soil management plan discussed in Section 5.3 of this report was also provided to them.

1.3.5 NOVEMBER 2025 PHASE II SHALLOW SOIL VAPOR INVESTIGATION

On November 24, 2025, Total Vapor Solutions (TVS) and Partlow Geological personnel mobilized to the site to conduct a vapor intrusion investigation. The site had just completed demolition of the old buildings and was undeveloped land at the time of sampling. Eight shallow soil vapor samples (SV-1 through SV-8) were collected and sent to H & P Mobile Geochemistry, Inc., for analysis using USEPA Method TO-15. Benzene, Tetrachloroethylene (PCE), and Toluene were detected in all samples. Carbon Disulfide was detected in samples SV-1, SV-3, SV-6, SV-7, and SV-8. Chloroform was detected in samples SV-1, SV-6, and SV-8. Trichloroethylene (TCE) was detected in samples SV-1 and SV-2. Dichloroethylene, cis-1, 2- (DCE) was detected in sample SV-2. Methyl Isobutyl Ketone (4-methyl-2-pentanone) was detected in sample SV-3. Ethylbenzene, Methyl Ethyl Ketone (2-Butanone), and Xylenes were detected in sample SV-8. All detected compounds were above the Vapor Intrusion Screening Level (VISL) calculations (utilizing a Target Cancer Risk of 1x10-6 and a Target Hazard Quotient of 0.1). Partlow Geological received the completed report from TVS on December 14, 2025. A Soil Vapor Investigation was submitted to ADEM on April 7, 2026.

2.0 SCOPE OF WORK AND REPORT ORGANIZATION

2.1 SCOPE OF WORK

In accordance with ADEM Administrative Code 335-15-4-.03 and 335-15-4-.04, this Voluntary Property Assessment Report & Cleanup Plan includes the following:

335-15-4-.03 (2) (Voluntary Property Assessment Plan/Report Content)

A Voluntary Property Assessment Plan (and Report) submitted by an applicant shall describe in sufficient detail those actions planned to develop the information necessary to perform a risk assessment or identify applicable cleanup standards for the qualifying property utilizing requirements found in the Alabama Risk-based Corrective Action Guidance (ARBCA) Manual or other appropriate risk-based corrective action principles through the appropriate implementation of applicable response actions or land use controls. The (Report) should describe the methods to be used to determine the type(s) and the amount(s) of any contamination, including the delineation of all soil and groundwater contamination discovered or known to exist within the qualifying property boundaries or portions thereof. Information submitted in the Voluntary Property Assessment (Report) shall be submitted in a format consistent with the Alabama Environmental Investigation and Remediation Guidance (AEIRG).

335-15-4-.04 (Voluntary Cleanup Plan)

An acceptable Voluntary Cleanup Plan *must identify those steps necessary to perform approved cleanup for the site. At a minimum, the cleanup plan must include:*

1. *A description of the remediation at each area of known contamination;*
2. *A description of the conduct of the cleanup at the facility;*
    a. *A detailed description of the methods to be used during cleanup, including but not limited to removing, transporting, treating, storing, or disposing of all remediation waste, identification of the types) of off-site solid and/ or hazardous waste management unit(s) to be used, if applicable.*
    b. *A detailed description of the steps needed to remove or decontaminate all hazardous residues and contaminated containment system components, equipment, structures, and soils during cleanup, including, but not limited to:*
        i. *Procedures for cleaning equipment and removal of contaminated soils;*
        ii. *Methods for sampling and testing surrounding soils; and*
        iii. *Criteria for determining the extent of remediation necessary to satisfy the cleanup requirements.*
    c. *A detailed description of other activities necessary during or after the cleanup period to ensure compliance with the cleanup performance requirements. This description may include operation and maintenance, such as, but not limited to groundwater monitoring, leachate collection, and run-on and run- of control;*
    d. *A schedule for the cleanup of known areas of contamination. At a minimum, the schedule must include the total time necessary to remediate each known area of contamination and the time required for cleanup activities.*
    e. *Provide proof of financial assurance in accordance with 335- 15- 5; and*
    f. *An estimate of the expected year of cleanup for facilities that use trust funds to demonstrate financial assurance under 335-15-5—02 (b).*
3. *An estimate of the maximum inventory of remediation wastes/ contaminated media on-site during cleanup operations; and*
4. *A voluntary cleanup plan submitted by a non-responsible party must provide for remediation of all contamination described in the property assessment report on- site only.*

2.2 REPORT ORGANIZATION

Section 3.0 summarizes Site characterization information, including the general geology, hydrogeology, and lithology of the Site area, and provides Site-specific information regarding COCs in onsite soil, groundwater, and soil vapor. Section 4.0 constitutes the Voluntary Cleanup Plan for ADEM's review and approval. Section 5.0 presents conclusions and recommendations for further action and provides an estimated implementation schedule, while the final section (Section 6.0) summarizes the reference materials cited throughout this section of the report. Section 7.0 includes the Cleanup Implementation Report prepared for the Site. Section 8.0 presents the conclusion of the implementation report.

3.0 SITE CHARACTERIZATION AND FIELD INVESTIGATION RESULTS

3.1 SURROUNDING POPULATION

A land-use survey of the surrounding area was conducted in the immediate vicinity of the site and is provided in **Figure 3**. The site is located in a mixed commercial and residential area. Visual observations of adjoining properties (as viewed from the site boundaries) are summarized below.

Adjoining Land Uses	
North	Residential (duplexes)
East	Residential (duplexes)
South	Vacant lot (Former Bama Bowl Strip Shopping Center)
West	Northern portion of the bread factory, Hackberry Lane, and the southern portion of the commercial shopping center.

3.2 GEOLOGY AND HYDROGEOLOGY

According to the Geological Survey of Alabama (GSA) Map of Tuscaloosa County, Alabama, Showing Distribution of Geologic Formations and Groundwater Supplies, dated 1961, the Site is underlain by Alluvial and terrace deposits. This formation comprises lenticular beds of clay, coarse sand, and gravel ranging in thickness from a few feet in small stream valleys to about 80 feet in the Black Warrior River valley. Terrace's range in height is from 40 to 200 feet above stream levels. Some areas mapped as alluvium include low terraces. Where sufficient saturated thicknesses of sand and gravel occur, they form excellent aquifers and will yield water readily to wells and springs. Yields of more than 1,000 gallons per minute are available in places in the Black Warrior River valley at relatively shallow depths. High terrace deposits are generally dry. Water is generally of good quality, but in places it is high in iron.

The Site, which has been altered by development, is generally level. Groundwater flow direction can be influenced by various factors. In unconfined aquifers, shallow groundwater movement generally mirrors surface topography, flowing from hilltops and uplands (recharge areas) to stream valleys (discharge areas). Based on the interpretation of the U.S. Geological Survey (USGS) 2024 7.5-minute quadrangle map for Tuscaloosa, Alabama, shallow groundwater beneath the site is inferred to generally flow south-southeast toward Cribbs Mill Creek (**Table 1** and **Figure 4**).

3.3 SITE SOILS

The United States Department of Agriculture - Natural Resources Conservation Service's "Web Soil Survey", an online platform for obtaining soil maps (USDA, 2024), indicates that the Site is underlain by the Bama Urban Land complex, 2 to 6 percent slopes (Bama fine sandy clay loam) and the Shatta Urban Land complex, 0 to 2 percent slopes (Shatta silt loam). Bama soils have a parent material of loamy fluviomarine deposits derived from sedimentary rock, with a typical profile of fine sandy loam from 0 to 5 inches and sandy clay loam from 5 to 72 inches. The depths to the restrictive feature and to the water table are more than 80 inches. Urban land is altered to create large, nearly level areas to avoid flooding or wetness problems or to increase load-bearing capacity. The original soil was altered by cutting and filling, shaping and grading, excavating, blasting, compacting, or covering with concrete or asphalt. The northernmost portion of the Site

is underlain by the Shatta soils, which have a parent material of loamy fluviomarine deposits derived from sedimentary rock, with a typical profile of silt loam from 0 to 28 inches and clay loam from 28 to 60 inches. The depth to restrictive features is 20 to 36 inches to fragipan, and the depth to the water table is about 18 to 24 inches.

3.4 WATER WELL INVENTORY

Based on the water well inventory, no private water supply wells are located within 1,000 feet of the Site. There are two active state wells within one mile of the Site. TUS-5 is currently a state real-time monitoring well, and TUS-1 is currently a state periodic monitoring well. Both are located north of the Site. No others were identified within 1,000 feet of the Site. As previously stated in Section 3.2 of this report, groundwater at the Site is flowing in a south-southeast direction.

3.5 SURFACE WATER

The nearest surface water body is Cribbs Mill Creek, approximately 0.38 miles east of the Site. Additionally, Forest Lake, into which Cribbs Mill Creek flows, is about 0.46 miles south-southeast of the Site.

3.6 SENSITIVE RECEPTORS

During the previous Phase I ESA and Phase II ESA, Partlow Geological documented the surrounding land use and potential sensitive receptors within 1,000 feet of the site, including land-use types and areas or populations of potential concern, such as hospitals, nursing homes, day-care facilities, schools, etc. As stated in Section 3.1, the site is adjoined by commercial and residential developments.

Based on the data collected during the assessment, there are no sensitive on-site or off-site receptors likely to be impacted by, or potentially impacted by, the constituents of concern (COCs) detected in soil and groundwater beneath the Site.

3.7 UNDERGROUND UTILITY SURVEY

Partlow Geological contacted Alabama One Call (Alabama 811) before conducting intrusive activities at the Site. The locations of the marked utilities were recorded and used in conjunction with Harrison Construction Company and S & H Waterproofing and Construction, LLC to create the Site Diagrams (**Appendix A**), which display underground utilities in the vicinity of the Site.

3.8 RELEASE CHARACTERIZATION AND DISTRIBUTION OF COCs

Considering the results of assessment activities completed to date, the source of contamination is attributed to the former dry cleaners located in the southern portion of the Site. Additionally, an off-site former dry cleaner was present adjacent to the southern property boundary. Previous investigations revealed arsenic in the soils and groundwater, and PCE in groundwater and soil-gas samples in this vicinity. Based on previous investigations, the arsenic plume appears to cover the entirety of the Site, with its highest concentration in the western portion and dissipating across

the eastern side. Based on the Phase II's testing results and analyses, we concluded the PCE plume is limited to the southern portion of the Site. Information related to the location, time, or quantity of a known release was not available. A summary of the source characterization for soil, groundwater, and soil gas vapor is presented below.

3.8.1 Chemicals of Concern

The primary COCs considered in this evaluation are arsenic in soil and groundwater and PCEs in groundwater and soil gas. While other COCs were detected above laboratory reporting limits (in groundwater and soil vapor samples), none were present at concentrations exceeding regulatory screening levels or appeared to present a viable exposure risk to current or future occupants of the Site.

3.8.2 Distribution of COCs

The arsenic detected during the investigation appears to cover the entire Site, while the VOCs detected during the investigation appear to cover the southern portion of the Site near the on-site former dry cleaner and the northern portion of the off-site former dry cleaners.

3.8.3 Soil

Surficial Soil: During the investigation, arsenic concentrations in surficial soil ranged from 8.41 milligrams per kilogram (mg/kg) in BH-6.11 to 2.84 mg/kg in BH-5. The EPA RSL for arsenic in residential soil is 0.68 mg/kg; however, published information from the United States Geological Survey (USGS; Gustavsson, N., et. al., "Geochemical Landscapes of the Conterminous United States – New Map Presentations for 22 Elements." USGS Professional Paper 1648. November 2001) indicates that normal background concentrations for arsenic in this region range up to 10 mg/kg. Surficial soil samples at the site exhibited arsenic concentrations consistent with background concentrations. Additionally, there are no known historical operations at the Site that would have contributed to elevated arsenic concentrations in soil. As such, it is the opinion of Partlow Geological that arsenic concentrations in surficial soil at the Site are attributable to variations in background levels and not a result of past on-site activities. Furthermore, no sediments were removed from the Site during demolition, and all parties involved in the demolition and redevelopment were informed in advance of the Site COCs and instructed to use proper safety precautions. No other COCs were present above applicable EPA RSLs.

Subsurface Soil: During the investigation, arsenic concentrations in subsurface soil ranged from 7.08 mg/kg (BH-2.4) to 2.54 mg/kg (BH-1.2). The EPA RSL for arsenic in residential soil is 0.68 mg/kg. As stated above, these arsenic concentrations in subsurface soil at the Site are attributable to variations in background levels and not a result of past on-site activities. Crews on Site were told beforehand of the COCs and told to use proper safety precautions. No other COCs were present above applicable EPA RSLs.

Table 2 summarizes the analytical results for the soil samples collected during this assessment, while **Figure 5** illustrates the COCs detected in onsite soil. Complete laboratory analytical reports are included in **Appendix B**.

3.8.4 Groundwater

The laboratory results from the analysis of groundwater samples collected during the assessment were compared with EPA RSLs for groundwater protection. For constituents with established EPA Maximum Contaminant Levels (MCLs) for groundwater protection. For constituents with concentrations above the laboratory detection limits and without an established RSL or MCL, EPA RSLs for tap water were used.

Concentrations of arsenic in the groundwater ranged from 1.3 milligrams per liter (mg/L) in TMW-2 to 0.0192 mg/L (TMW-5). The EPA RSL of groundwater protection for arsenic is 0.29 mg/L. Samples TMW-1 and TMW-2 exceed those limits.

Concentrations of PCE in the groundwater ranged from 169 micrograms per liter (µg/L) in TMW-2 to 1.19 ug/L in TMW-3. The EPA RSL of groundwater protection for PCE is 2.3 µg/L (0.0023 mg/kg), and the EPA RSL (MCLs) of tap water for PCE is 5 µg/L. Samples TMW-2 and TMW-5 exceed both those limits.

Table 3 summarizes the analytical results for the groundwater samples collected during this assessment, while **Figure 5** illustrates the COCs detected in onsite groundwater. Complete laboratory analytical reports are included in **Appendix B**.

3.8.5 Soil Gas Vapor

The soil gas vapor samples were analyzed for VOCs by USEPA Method TO-15. All samples that were detected were compared to Target Sub-Slab and Near Source Concentrations calculated for a residential exposure scenario using the USEPA VISL calculator (utilizing a Target Cancer Risk of 1x10-6 and a Target Hazard Quotient of 0.1). Benzene, Carbon Disulfide, Chloroform, Dichloroethylene, cis-1, 2- (DCE), Ethylbenzene, Methyl Isobutyl Ketone (4-methyl-2pentanone), Methyl Ethyl Ketone (2-Butanone), Toluene, Tetrachloroethylene (PCE), Trichloroethylene (TCE), and Xylenes were detected. Next, the samples were reviewed for their Carcinogenic Risk (CR) and Hazard (HQ) calculations, which were previously calculated for a residential exposure scenario using the USEPA VISL calculator (utilizing a Target Cancer Risk of 1x10-6 and a Target Hazard Quotient of 0.1), applying a slab attenuation factor of 0.03. The following results were found during the review:

SV-1: Benzene, Carbon Disulfide, Chloroform, Toluene, PCE, and TCE were detected. Benzene, Chloroform, and PCEs were all found to have a carcinogenic risk. However, all were found to pose no hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 1.15E-05 and a hazard risk of 9.70E-01.

SV-2: Benzene, DCE, Toluene, PCE, and TCE were detected. Benzene, TCEs, and PCEs were all found to have a carcinogenic risk. Only PCEs were found to pose a hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 3.09E-05 and a hazard risk of 7.47E+00.

SV-3: Benzene, Carbon Disulfide, Methyl Isobutyl Ketone (4-methyl-2pentanone), Toluene, and PCE, were detected. Benzene and PCEs were all found to have a carcinogenic risk. Only PCEs

were found to pose a hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 7.50E-06 and a hazard risk of 1.32E+00.

SV-4: Benzene, Toluene, and PCE were detected. Benzene and PCEs were all found to have a carcinogenic risk. Only PCEs were found to pose a hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 2.36E-05 and a hazard risk of 5.43E+00.

SV-5: Benzene, Toluene, and PCE were detected. Benzene and PCEs were all found to have a carcinogenic risk. Only PCEs were found to pose a hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 5.35E-05 and a hazard risk of 1.30E+01.

SV-6: Benzene, Carbon Disulfide, Chloroform, Toluene, and PCE were detected. Benzene, Chloroform, and PCEs were all found to have a carcinogenic risk. Only PCEs were found to pose a hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 8.34E-06 and a hazard risk of 1.41E+00.

SV-7: Benzene, Carbon Disulfide, Toluene, and PCE were detected. Only Benzene was found to have a carcinogenic risk. None were found to pose a hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 2.69E-06 and a hazard risk of 1.62E-01.

SV-8: Benzene, Carbon Disulfide, Chloroform, Ethylbenzene, Methyl Ethyl Ketone (2-Butanone), Toluene, Tetrachloroethylene (PCE), and Xylenes were detected. Benzene and Chloroform were found to have a carcinogenic risk. However, all were found to pose no hazard. Together, all the COCs detected in this sample have a carcinogenic risk of 1.01E-05 and a hazard risk of 2.55E-01.

According to these findings, only the PCEs are of primary concern for the Site, but as a whole, all the COCs detected during soil gas testing pose a carcinogenic risk to the Site. Given the results, remedial measures are warranted to address these potential exposure risks on the Site. **Table 4** summarizes the samples detected during soil vapor testing. **Table 5** summarizes the USEPA VISL calculations taken from the soil vapor results. **Figure 6** illustrates the COCs detected in onsite soil gas vapors. Complete laboratory analytical reports are included in **Appendix B**.

4.0 DESCRIPTION OF REMEDIATION

4.1 INSTALLATION OF VAPOR BARRIER

In an effort to mitigate or altogether eliminate potential vapor intrusion risk to future buildings, Partlow Geological, on behalf of the Applicant, proposed installing a vapor barrier beneath the concrete slab and foundation of the four new building developments as a viable remedy. As illustrated in **Figure 7**, PCE has been measured in soil vapor and groundwater beneath and surrounding the footprint of the proposed residential triplex buildings, with concentrations in both media representing a potential vapor intrusion risk.

To that end, Partlow Geological will oversee the installation of a vapor barrier system beneath the building footprints to eliminate the potential for exposure via vapor intrusion from subsurface

sources related to the former dry cleaner. The vapor barrier will be EPRO Geo-Seal EV40s, a 41-mil composite EVOH geomembrane with a 3 oz. geotextile bonded to one side to increase tensile and puncture strength. Geo-Seal Core, a specially formulated asphalt emulsion, is applied within the Geo-Seal EV40 seam overlap, around pipe penetrations, and at termination points to eliminate the need for costly tape. e.poly is a polyester fabric designed to reinforce membrane terminations, transitions, penetrations, seams, and general repair areas. Used in every E.Series assembly, e.poly is installed between two layers of e.roll or e.spray. The Vapor-Vent collection system is a composite, low-profile pressure-relief and collection system designed to mitigate the buildup of methane gas and contaminated vapor under an overlying structure. Vapor-Vent is most commonly designed to operate passively, but may also be configured as an active system when conditions require.

Specifications for the proposed vapor barrier system are included in **Appendix A**. Construction details of the Geo-Seal EV40s system are in **Appendix A**. Additional details regarding installation (including specifications of products utilized in the construction of the Geo-Seal EV40s), system operation, and system maintenance are included in **Appendix A**.

As outlined in **Appendix A**, the applied vapor barrier will be installed beneath the concrete slab and over the footings supporting the structure while surrounding all utility conduits (sewer, water, gas, electrical) protruding through the slab into the building interior.

Regarding the implementation schedule, this part of the remedy was completed in March 2026 and is included in Sections 7.0 and 8.0 of this report. As such, an estimated timeframe for implementation of the remedial actions detailed in this report is included in **Appendix D**.

4.2 CLASS I ENVIRONMENTAL COVENANT

As certain COCs will remain in groundwater at concentrations above screening levels, and to prevent on-site exposure to these COCs, Partlow Geological recommends recording an environmental covenant over the Site prohibiting the use of groundwater for irrigation and/or potable purposes, and installation of a vapor barrier system beneath affected on-site structures until such time as appropriate testing indicates the vapor barrier system is no longer warranted and ADEM issues written approval to terminate the operation of the system. Deed restrictions specific to the site will be developed following ADEMs recommendations. A draft environmental covenant will be provided to the Department for approval prior to filing with the Tuscaloosa County Judge of Probate.

5.0 CONCLUSIONS & RECOMMENDATIONS OF THE CLEANUP PLAN

5.1 CONCLUSIONS

Impact on groundwater and soil vapor has occurred at the Site in the vicinity of the Former Cleansing Tide Shopping Center. Based on the presence of COCs in groundwater and soil vapor beneath the Site at concentrations above applicable screening levels, Partlow Geological recommends vapor mitigation via the installation of a Geo-Seal EV40s system and, per ADEM recommendation, recording an environmental covenant.

Should the 30-day public notice period elicit comments, those comments will be addressed as specified in ADEM Administrative Code R. 335-15-6-.02 *Public Participation*.

5.2 RECOMMENDATIONS

Considering the results summarized in previous sections of this document, Partlow Geological recommends the following corrective action activities at the Site:

1. Submittal of a Cleanup Plan Implementation Report, documented in Sections 7.0 and 8.0 of this report;
2. Following ADEM' s review and approval of the Cleanup Plan Implementation Report and recommendation of an environmental covenant, the document will be submitted for review and approval by ADEM, which will set forth the institutional and engineering controls to be applied to the Site.
3. Upon submitting the Certification of Compliance, Partlow Geological requests that ADEM consider issuing a Conditional Letter of Concurrence for the Site.

As illustrated in **Figure 7**, the Site would be subject to engineering controls (a vapor barrier beneath the enclosed structure) and institutional controls (use of on-site groundwater for potable or irrigation purposes is prohibited). These use restrictions will be recorded onto an environmental covenant executed by the Site owner and ADEM and recorded onto the deed of the Site.

5.3 SOIL MANAGEMENT PLAN

As summarized above, while arsenic was detected in the soils above applicable EPA RSLs, but are consistent with background concentrations published by the USGS, and PCEs was not detected above applicable EPA RSLs during previous Site investigations. It is possible that future excavation, earthwork, grading, and/ or utility work may encounter both within the soil. In the unlikely event such materials are encountered, a soil management plan (**Appendix C**) will be in place to address such circumstances during the redevelopment.

6.0 REFERENCE MATERIALS

Partlow Geological referenced the following sources during the preparation of this report.

1. Phase I Environmental Site Assessments (ESAs) dated August 2025.
2. Phase II ESA dated October 2025.
3. Shallow Soil Vapor Investigation dated December 2025.
4. Voluntary Cleanup Plan for Former Bama Bowl Strip Shopping Center – 60484 461-073-23012-073-07-12-2024 VCP JWM Cleanup Plan (adem.alabama.gov/), dated July 2, 2024, Accessed August 2025. ADEM VCP Site No.: 461-073-23012.
5. Alabama Admin. Code r. 335-15 (2024) – Brownfield Redevelopment and Voluntary Cleanup Program.
6. Alabama Environmental Investigation and Remediation Guidance (AEIRG); (revised February 2017).
7. Alabama Risk-Based Corrective Action (ARBCA); revised February 2017.

8. U.S. Geological Survey (USGS), 2024, Tuscaloosa, Alabama. - 7.5-Minute Quadrangle (Topographic Series), Tuscaloosa, Alabama, Scale 1:24,000.
9. USDA - Web Soil Survey, Online Soil Data Mapping https://websoilsurvey.nrcs.usda.gov/app/, accessed August 2025.
10. Alabama Department of Environmental Management, 2025, adem.alabama.gov/. Accessed August 2025.
11. United States Environmental Protection Agency, November 2024 - Regional Screening Levels for Generic Tables, https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables, accessed August 2025.
12. United States Environmental Protection Agency, November 2024 - Vapor Intrusion Screening Level Calculator, https://www.epa.gov/vaporintrusion/vapor-intrusion-screening-level-calculator, accessed December 2025.
13. Map of Tuscaloosa County, Alabama, showing distribution of geologic formations and groundwater supplies; U.S. Geological Survey, 1961, Tuscaloosa, Alabama, Scale 1:63,000.
14. Google Earth Pro, Imagery Dated 2023, https://www.google.com/earth/download/gep/agree.html , August 2025.
15. Geological Survey of Alabama, Groundwater Assessment Program, https://www.gsa.state.al.us/gsa/groundwater, accessed August 2025.
16. United States Geological Survey (USGS; Gustavsson, N., et. al., “Geochemical Landscapes of the Conterminous United States – New Map Presentations for 22 Elements.” USGS Professional Paper 1648. November 2001.
17. ANSI/AARST Soil Gas Control Systems in New Construction of Multifamily, School, Commercial, and Mixed-Use Buildings(CC-1000-2018-0523) https://standards.aarst.org/CC-1000-2018/.

7.0 CLEANUP IMPLEMENTATION

7.1 PRE-INSTALLATION MEETINGS

Pre-Installation meetings were conducted on December 30, 2025, between Partlow Geological personnel, the property owner, Harrison Construction Company, and S & H Waterproofing and Construction to discuss the installation of the vapor barrier. The final discussion was on January 13, 2026. See **Appendix E.** The discussion included an overview of our assessment, the proposed cleanup plan, the building designed for the vapor-vents and barrier, and the installation dates.

7.2 INSTALLATION OF BUILDING A

On January 15, 2026, Partlow Geological personnel observed the installation of the vapor barrier system at the Site. S & H Waterproofing and Construction was contracted by Harrison Construction to do the installation. The foundation of the building, the utilities and gravel were installed before installation began. The vapor-vent system ran along the center of the building with two branches. One along the western side of the building and the other along the eastern side. A riser (3” PVC pipe) that connects to this system was installed and marked. Geo-Seal EV40 (EVOH geocomposite sheet membrane) was installed beneath the concrete slab and surrounding all utilities conduits (sewer, water, gas, electrical) and sealed with a spray-applied polymer-modified asphalt (Geo-Seal Core). An additional sheet would be cut out and installed around any

penetration or seam and combined with the e.poly fabric to strengthen the bond, before being sprayed with the Geo-Seal Core. A smoke test was conducted after installation was completed. Any leaks identified were repaired, including those created by the smoke test. On January 16, 2026, the rebar was installed, and Partlow Geological personnel conducted our final inspection. Bama Concrete then poured the concrete slab.

Appendix F summarizes the inspection done during this installation. Site drawings of the vapor-vent system, and photographs taken during the installation are included in **Appendix F**. Specifications for the vapor barrier system are included in **Appendix A**. Construction details of the Geo-Seal EV40s system are in **Appendix A**. Additional details regarding installation (including specifications of products utilized in the construction of the Geo-Seal EV40s), system operation, and system maintenance are included in **Appendix A**.

7.3 INSTALLATION OF BUILDING D

On February 5, 2026, Partlow Geological personnel observed the installation of the vapor barrier system at the Site. S & H Waterproofing and Construction was contracted by Harrison Construction to do the installation. The foundation of the building, the utilities and gravel were installed before installation began. The vapor-vent system ran along the center of the building with two branches. One along the western side of the building and the other along the eastern side. A riser (3” PVC pipe) that connects to this system was installed and marked. Geo-Seal EV40 (EVOH geocomposite sheet membrane) was installed beneath the concrete slab and surrounding all utilities conduits (sewer, water, gas, electrical) and sealed with a spray-applied polymer-modified asphalt (Geo-Seal Core). An additional sheet would be cut out and installed around any penetration or seam and combined with the e.poly fabric to strengthen the bond, before being sprayed with the Geo-Seal Core. A smoke test was conducted after installation was completed. Any leaks identified were repaired, including those created by the smoke test. On February 6, 2026, the rebar was installed, and Partlow Geological personnel conducted our final inspection. Bama Concrete then poured the concrete slab.

Appendix F summarizes the inspection done during this installation. Site drawings of the vapor-vent system, and photographs taken during the installation are included in **Appendix F**. Specifications for the vapor barrier system are included in **Appendix A**. Construction details of the Geo-Seal EV40s system are in **Appendix A**. Additional details regarding installation (including specifications of products utilized in the construction of the Geo-Seal EV40s), system operation, and system maintenance are included in **Appendix A**.

7.5 INSTALLATION OF BUILDINGS B AND C

On March 11, 2026, Partlow Geological personnel observed the installation of the vapor barrier system at the Site. S & H Waterproofing and Construction was contracted by Harrison Construction to do the installation. The foundation of the building, the utilities and gravel were installed before installation began. The vapor-vent system ran along the center of the buildings with two branches. One along the western side of the building and the other along the eastern side. A riser (3” PVC pipe) that connects to this system was installed and marked. Geo-Seal EV40 (EVOH geocomposite sheet membrane) was installed beneath the concrete slab and surrounding

all utilities conduits (sewer, water, gas, electrical) and sealed with a spray-applied polymer-modified asphalt (Geo-Seal Core). An additional sheet would be cut out and installed around any penetration or seam and combined with the e.poly fabric to strengthen the bond, before being sprayed with the Geo-Seal Core. A smoke test was conducted after installation was completed. Any leaks identified were repaired, including those created by the smoke test. On March 12, 2026, the rebar was installed, and Partlow Geological personnel conducted our final inspection. Bama Concrete then poured the concrete slab.

Appendix F summarizes the inspection done during this installation. Site drawings of the vapor-vent system, and photographs taken during the installation are included in **Appendix F**. Specifications for the vapor barrier system are included in **Appendix A**. Construction details of the Geo-Seal EV40s system are in **Appendix A**. Additional details regarding installation (including specifications of products utilized in the construction of the Geo-Seal EV40s), system operation, and system maintenance are included in **Appendix A**.

8.0 CONCLUSION OF THE IMPLEMENTATION REPORT

A vapor barrier system has been installed at the site in general accordance with the Voluntary Cleanup Plan. Following ADEM' s approval of the Applicant's Voluntary Cleanup Implementation report, a draft of the Environmental Covenant will be submitted to ADEM for review and will be recorded with the Tuscaloosa County Probate Office. Following the filing of the covenant, Partlow Geological, on behalf of CBA Properties LLC, will submit an original, recorded covenant to ADEM along with the Certification of Compliance and request that ADEM issue a Conditional Letter of Concurrence for the Site.

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TABLES

Table 1: Groundwater Elevation Summary

Well ID:	GS Elevation (feet)	TOC Elevation (feet)	Groundwater Depth below TOC (feet)	Groundwater Elevation (feet)
TMW-1	224	228	25.8	202.2
TMW-2	223	227.7	26.3	201.4
TMW-3	224	229	27.6	201.4
TMW-4	222	228	30.11	197.89
TMW-5	222	227	28.6	198.4

Notes:
GS: Ground surface
TOC: Top of well pipe casing
Groundwater readings were obtained on September 4, 2025

Table 2: Chemicals of Concern in Soil

Client Sample ID		BH-1.1	BH-1.2	BH-2.3	BH-2.4	BH-3.5	BH-3.6	BH-4.7	BH-4.8	BH-5.9	BH-5.10	BH-6.11	BH-6.12
Sample Depth		2-4FT	16-17FT	2-4FT	16-18FT	2-4FT	16-17FT	2-4FT	16-19FT	2-4FT	16-17FT	0-5FT	0-5FT
Data Collected		8/14/2025	8/14/2025	8/14/2025	8/14/2025	8/14/2025	8/14/2025	8/14/2025	8/14/2025	8/14/2025	8/14/2025	9/4/2025	9/4/2025
Analyte	**EPA RSL**	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Arsenic	0.68	**4.01**	**2.54**	**3.14**	**7.08**	**3.47**	BDL	**4.81**	BDL	**2.84**	BDL	**8.41**	**6.11**
Barium	1500.00	**24.2**	**5.54**	**21.7**	**5.09**	**28.2**	**5.22**	**59.5**	**5.95**	**28.5**	**3.03**	**79.7**	**58.5**
Cadmium	0.71	**0.174**	BDL	BDL	**0.174**	BDL	BDL	BDL	BDL	BDL	BDL	**0.324**	**0.262**
Chromium	100.00	**34**	**15.1**	**24.7**	**22.2**	**27.4**	**3.17**	**28**	**2.35**	**16.9**	**1.5**	**20.3**	**16**
Lead	100.00	**7.07**	**4.59**	**6.4**	**3.74**	**7.21**	**2.68**	**10.6**	**3.35**	**6.83**	**1.65**	**25.6**	**40.6**
Acetone	7000.00	**0.082**	BDL	**0.13**	**0.041**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
mg/Kg: Milligrams per kilogram (parts per million)
VOCs: Volatile organic compounds
BDL: Below detection level
EPA RSL: Resident Soils(THQ 0.1, TCR=1x10-6) (November 2024)
Bold: Concentration detected
Bold and Highlighted: above residential screening levels

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Table 3: Chemicals of Concern in Groundwater

Client Sample ID		TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
Data Collected		9/4/2025	9/4/2025	9/4/2025	9/4/2025	9/4/2025
Analyte	**MCL/RBL**	Result	Result	Result	Result	Result
RCRA Metals, (mg/L)						
Arsenic	0.29	**0.383**	**1.3**	BDL	**0.0183**	**0.0192**
Barium	82	**0.84**	**0.486**	**0.059**	**0.382**	**0.534**
Cadmium	0.38	BDL	**0.085**	BDL	BDL	BDL
Chromium	180000	**2.88**	**5.7**	**0.0072**	**0.317**	**0.387**
Lead	9	**0.501**	**0.618**	BDL	**0.161**	**0.131**
Mercury	0.1	**0.00182**	**0.00146**	BDL	BDL	BDL
VOCs, (ug/L)						
Acetone	1800	**32.3**	BDL	BDL	**80**	**20.2**
Tetrachloroethene	5	BDL	**169**	**1.19**	**1.31**	**5.78**
All Other VOCs	CS	BDL	BDL	BDL	BDL	BDL

Notes:

mg/L: Milligrams per liter (parts per million) and ug/L: micrograms per liter (parts per billion)

VOCs: Volatile organic compounds

BDL: Below detection level

CS: RSLs are Constituent-Specific

MCL: Maximum contaminant level

EPA RBL: Residential Screening Levels For Tap Water (THQ 0.1, TCR=1x10-6) (November 2024)

EPA RBL: Residential Screening Levels For Protections of Groundwater (THQ 0.1, TCR=1x10-6) (November 2024)

Bold: Concentration detected

Bold and Highlighted: above MCL screening levels

Table 4: Chemicals of Concern in Soil Gas

Client Sample ID	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Depth	3FT	3FT	3FT	3FT	3FT	3FT	3FT	3FT
Data Collected	11/24/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025
Analyte	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	**25**	**26**	**30**	**33**	**42**	**20**	**26**	**95**
Carbon Disulfide	**6.4**	BDL	**14**	BDL	BDL	**9.7**	**9.6**	**19**
Chloroform	**30**	BDL	BDL	BDL	BDL	**6.8**	BDL	**6.2**
Dichloroethylene, cis-1, 2-	BDL	**89**	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**16**
MEK	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**75**
MIBK	BDL	BDL	**17**	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	**540**	**9700**	**1800**	**7500**	**18000**	**1800**	**190**	**85**
Toluene	**25**	**24**	**31**	**29**	**41**	**24**	**24**	**86**
Trichloroethylene	**8**	**28**	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**33**
ALL OTHER VOCs	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:

All concentrations prsented in micrograms per cubic meter (ug/m3), parts per billion equivalent.

VOCs: Volatile organic compounds

Bold: Concentration detected

BDL: Below detection level

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Table 5: Target exterior soil gas concentration using USEPA Vapor Intrusion Screening Level (VISL) Calculator

SV-1									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	25	3.00E-02	0.75	0.36	0.36	3.13	1.20E+01	2.08E-06	2.40E-02
Carbon Disulfide	6.4	3.00E-02	0.192	73	-	73	2.43E+03	-	2.63E-04
Chloroform	30	3.00E-02	0.9	0.12	0.12	0.20	4.07E+00	7.37E-06	4.43E-01
Tetrachloroethylene	540	3.00E-02	16.2	4.2	10.8	4.17	1.39E+02	1.50E-06	3.88E-01
Toluene	25	3.00E-02	0.75	520	-	521	1.74E+04	-	1.44E-04
Trichloroethylene	8	3.00E-02	0.24	0.21	0.48	0.21	6.95E+00	5.02E-07	1.15E-01
*Sum								*1.15E-05*	*9.70E-01*

SV-2									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	26	3.00E-02	0.78	0.36	0.36	3	1.20E+01	2.17E-06	2.49E-02
Dichloroethylene, cis-1, 2-	89	3.00E-02	2.67	4.2	-	4.17	1.39E+02	-	6.40E-02
Tetrachloroethylene	**9700**	3.00E-02	291	4.2	10.8	4.17	1.39E+02	2.69E-05	6.98E+00
Toluene	24	3.00E-02	0.72	520	-	521	1.74E+04	-	1.38E-04
Trichloroethylene	28	3.00E-02	0.84	0.21	0.48	0.21	6.95E+00	1.76E-06	4.03E-01
*Sum								*3.09E-05*	*7.47E+00*

SV-3									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	30	3.00E-02	0.9	0.36	0.36	3.13	1.20E+01	2.50E-06	2.88E-02
Carbon Disulfide	14	3.00E-02	0.42	73	-	73	2.43E+03	-	5.75E-04
4-methyl-2-pentanone (MIBK)	17	3.00E-02	0.51	310	-	313	1.04E+04	-	1.63E-04
Tetrachloroethylene	**1800**	3.00E-02	54	4.2	10.8	4.17	1.39E+02	5.00E-06	1.29E+00
Toluene	31	3.00E-02	0.93	520	-	521	1.74E+04	-	1.78E-04
*Sum								*7.50E-06*	*1.32E+00*

SV-4									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	33	3.00E-02	0.99	0.36	0.36	3.13	1.20E+01	2.75E-06	3.16E-02
Tetrachloroethylene	**7500**	3.00E-02	225	4.2	10.8	4.17	1.39E+02	2.08E-05	5.39E+00
Toluene	29	3.00E-02	0.87	520	-	521	1.74E+04	-	1.67E-04
*Sum								*2.36E-05*	*5.43E+00*

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SV-5									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	42	3.00E-02	1.26	0.36	0.36	3.13	1.20E+01	3.50E-06	4.03E-02
Tetrachloroethylene	**18000**	3.00E-02	540	4.2	10.8	4.17	1.39E+02	5.00E-05	1.29E+01
Toluene	41	3.00E-02	1.23	520	-	521	1.74E+04	-	2.36E-04
*Sum								*5.35E-05*	*1.30E+01*

SV-6									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	20	3.00E-02	0.6	0.36	0.36	3.13	1.20E+01	1.67E-06	1.92E-02
Carbon Disulfide	9.7	3.00E-02	0.291	73	-	73	2.43E+03	-	3.99E-04
Chloroform	6.8	3.00E-02	0.204	0.12	0.122	0.203	4.07E+00	1.67E-06	1.00E-01
Tetrachloroethylene	**1800**	3.00E-02	54	4.2	10.8	4.17	1.39E+02	5.00E-06	1.29E+00
Toluene	24	3.00E-02	0.72	520	-	521	1.74E+04	-	1.38E-04
*Sum								*8.34E-06*	*1.41E+00*

SV-7									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	26	3.00E-02	0.78	0.36	0.36	3.13	1.20E+01	2.17E-06	2.49E-02
Carbon Disulfide	9.6	3.00E-02	0.288	73	-	73	2.43E+03	-	3.95E-04
Tetrachloroethylene	190	3.00E-02	5.7	4.2	10.8	4.17	1.39E+02	5.28E-07	1.37E-01
Toluene	24	3.00E-02	0.72	520	-	521	1.74E+04	-	1.38E-04
*Sum								*2.69E-06*	*1.62E-01*

SV-8									
Analyte	Site Exterior Soil Gas Concentration (ug/m3)	AF	Site Indoor Air Concentration (ug/m3)	RSL Ambient Air (ug/m3)	Carcinogenic VISL (ug/m3)	Non-Carcinogenic VISL (ug/m3)	Target Sub-Slab and Near Source Concentration (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ
Benzene	95	3.00E-02	2.85	0.36	0.36	3.13	1.20E+01	7.92E-06	9.11E-02
Carbon Disulfide	19	3.00E-02	0.57	73	-	73	2.43E+03	-	7.81E-04
Chloroform	6.2	3.00E-02	0.186	0.12	0.122	0.203	4.07E+00	1.52E-06	9.15E-02
Ethylbenzene	16	3.00E-02	0.48	1.1	1.12	104	3.74E+01	4.27E-07	4.60E-04
2-Butanone (MEK)	75	3.00E-02	2.25	520	-	521	1.74E+04	-	4.32E-04
Tetrachloroethylene	85	3.00E-02	2.55	4.2	10.8	4.17	1.39E+02	2.36E-07	6.11E-02
Toluene	86	3.00E-02	2.58	520	-	521	1.74E+04	-	4.95E-04
Xylenes	33	3.00E-02	0.99	10	-	10.4	3.48E+02	-	9.49E-03
*Sum								*1.01E-05*	*2.55E-01*

FIGURES

Figure 1. Site Location Map



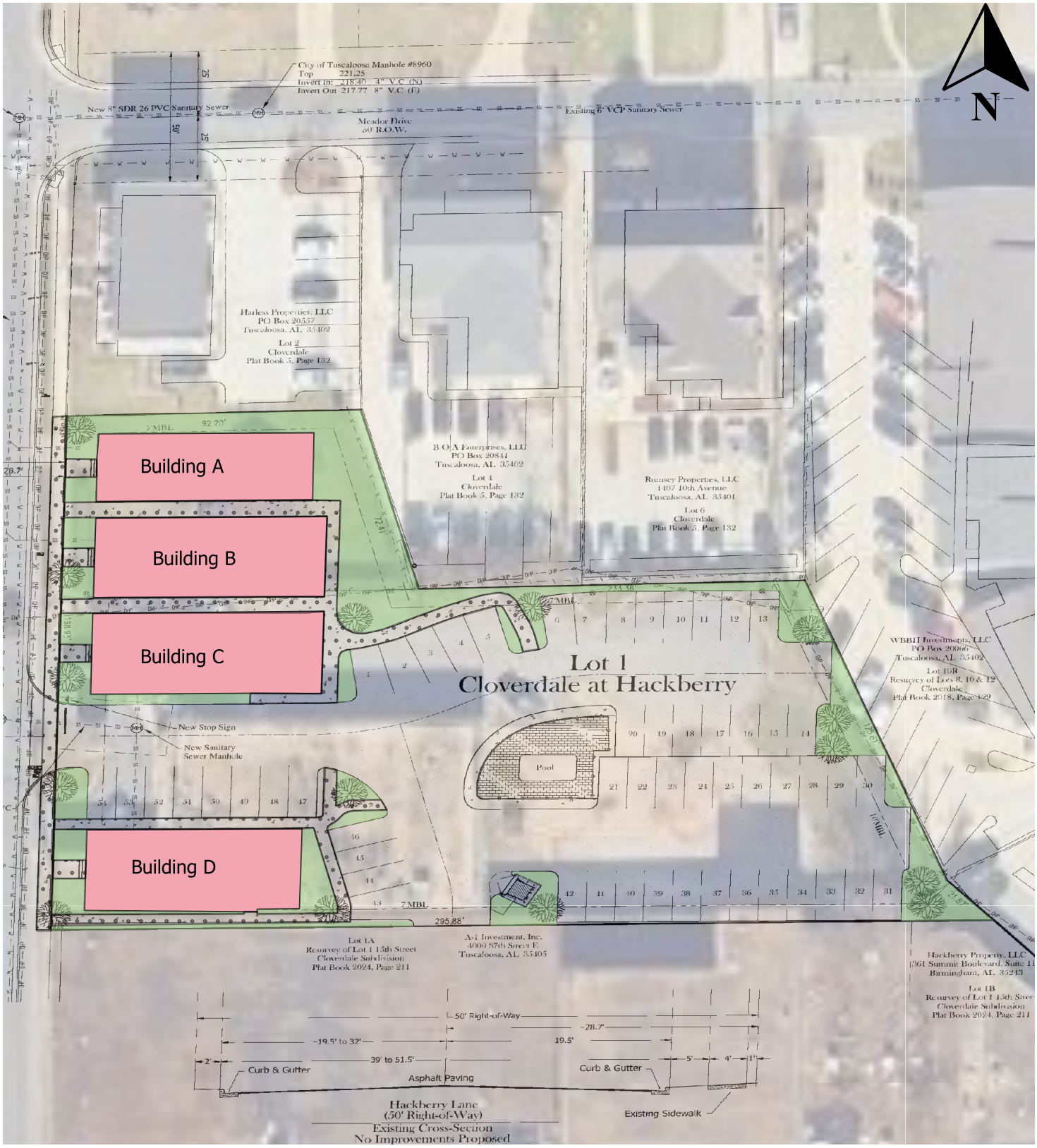
Property Location

Voluntary Cleanup Plan
Former Cleansing Tide Shopping Center
1405 & 1431 Hackberry Lane
Tuscaloosa, Alabama 35401
Partlow Geological Project No: 201401

USGS 7.5- MINUTE
TOPOGRAPHIC QUADRANGLE
TUSCALOOSA, ALABAMA
DATED 2024

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Figure 2. Site Plan



0 0.02 0.04 mile

Site Boundary

Voluntary Cleanup Plan
Former Cleansing Tide Shopping Center
1405 & 1431 Hackberry Lane
Tuscaloosa, Alabama 35401
Partlow Geological Project No: 201401

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Figure 3. Area Land Use Map



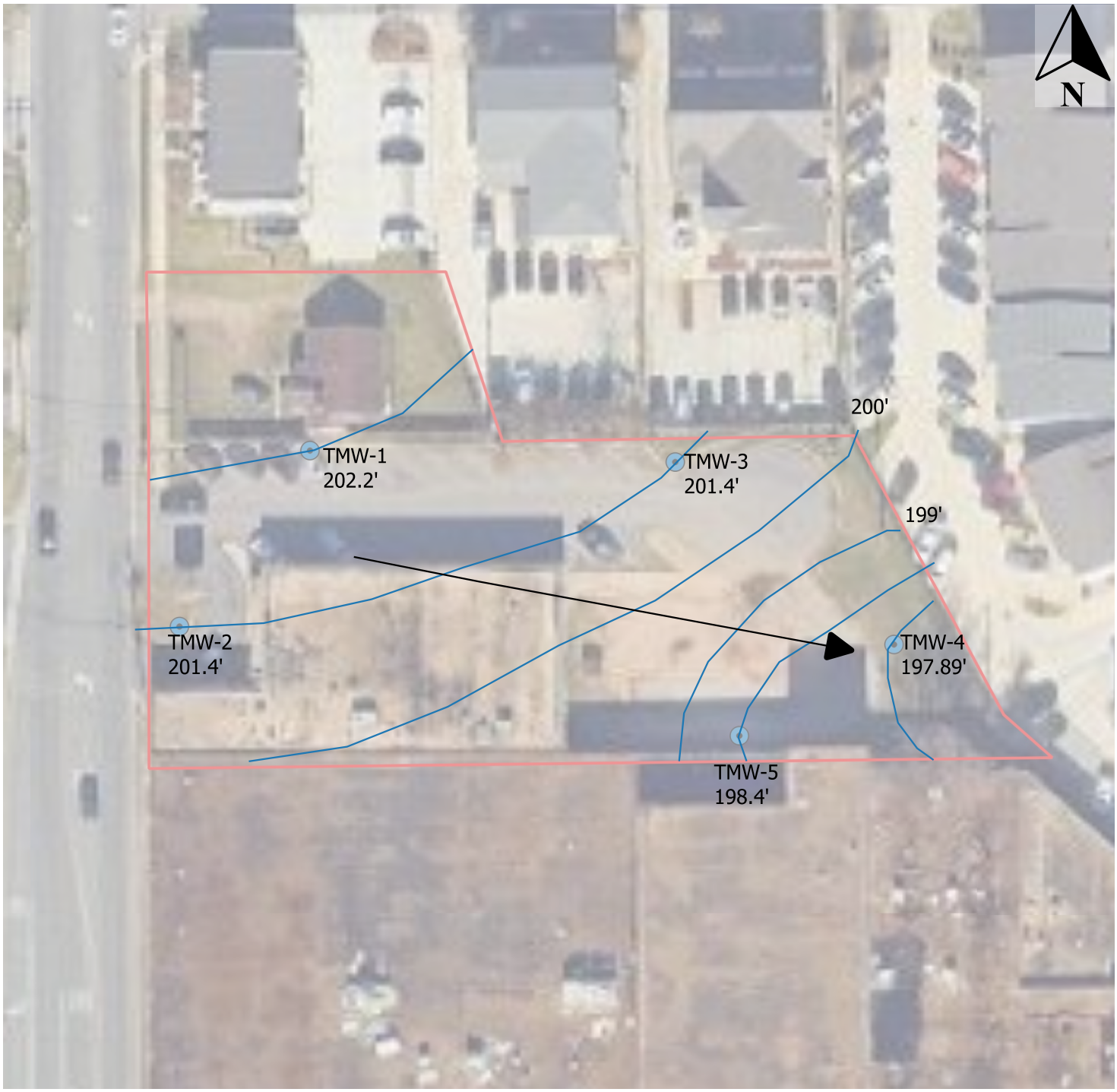
0 0.06 0.12 mile

Site Boundary

Voluntary Cleanup Plan
Former Cleansing Tide Shopping Center
1405 & 1431 Hackberry Lane
Tuscaloosa, Alabama 35401
Partlow Geological Project No: 201401

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Figure 4. Groundwater Potentiometric Map
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401



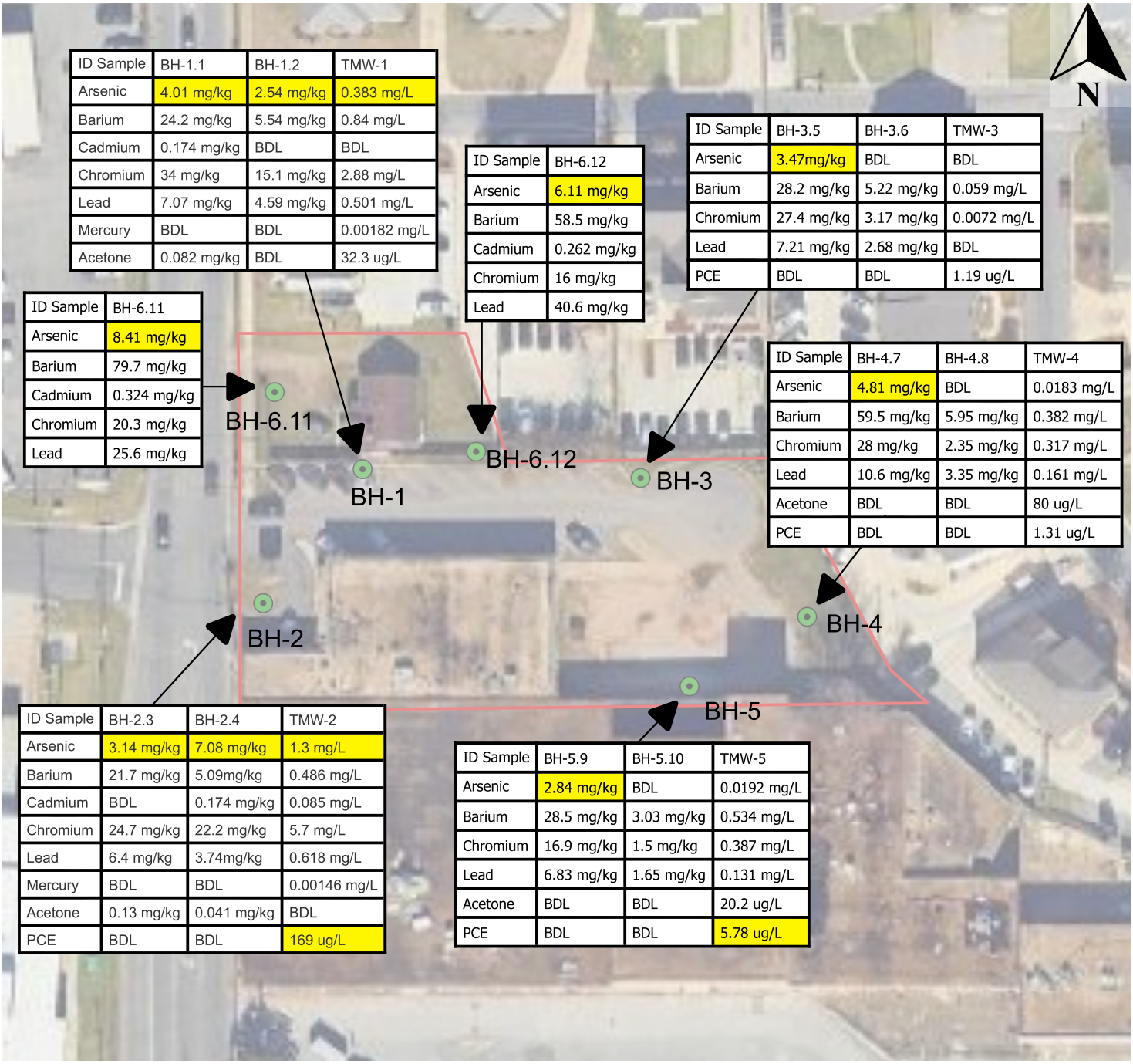
0 0.02 0.04 mile

Property Boundary
Temporary Monitoring Well Locations
Potentiometric Contour Line
Estimated Direction of Groundwater Flow

QGIS Version: 3.40.0
HCMGIS: Google Satellite
Image Dated: 12/11/23
Created By: KGF
Dated: 8/25/25
Project:201401

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Figure 5. Boring and Sampling Result Location Map
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401



ID Sample	BH-1.1	BH-1.2	TMW-1
Arsenic	4.01 mg/kg	2.54 mg/kg	0.383 mg/L
Barium	24.2 mg/kg	5.54 mg/kg	0.84 mg/L
Cadmium	0.174 mg/kg	BDL	BDL
Chromium	34 mg/kg	15.1 mg/kg	2.88 mg/L
Lead	7.07 mg/kg	4.59 mg/kg	0.501 mg/L
Mercury	BDL	BDL	0.00182 mg/L
Acetone	0.082 mg/kg	BDL	32.3 ug/L

ID Sample	BH-6.11
Arsenic	8.41 mg/kg
Barium	79.7 mg/kg
Cadmium	0.324 mg/kg
Chromium	20.3 mg/kg
Lead	25.6 mg/kg

ID Sample	BH-6.12
Arsenic	6.11 mg/kg
Barium	58.5 mg/kg
Cadmium	0.262 mg/kg
Chromium	16 mg/kg
Lead	40.6 mg/kg

ID Sample	BH-3.5	BH-3.6	TMW-3
Arsenic	3.47mg/kg	BDL	BDL
Barium	28.2 mg/kg	5.22 mg/kg	0.059 mg/L
Chromium	27.4 mg/kg	3.17 mg/kg	0.0072 mg/L
Lead	7.21 mg/kg	2.68 mg/kg	BDL
PCE	BDL	BDL	1.19 ug/L

ID Sample	BH-4.7	BH-4.8	TMW-4
Arsenic	4.81 mg/kg	BDL	0.0183 mg/L
Barium	59.5 mg/kg	5.95 mg/kg	0.382 mg/L
Chromium	28 mg/kg	2.35 mg/kg	0.317 mg/L
Lead	10.6 mg/kg	3.35 mg/kg	0.161 mg/L
Acetone	BDL	BDL	80 ug/L
PCE	BDL	BDL	1.31 ug/L

ID Sample	BH-2.3	BH-2.4	TMW-2
Arsenic	3.14 mg/kg	7.08 mg/kg	1.3 mg/L
Barium	21.7 mg/kg	5.09mg/kg	0.486 mg/L
Cadmium	BDL	0.174 mg/kg	0.085 mg/L
Chromium	24.7 mg/kg	22.2 mg/kg	5.7 mg/L
Lead	6.4 mg/kg	3.74mg/kg	0.618 mg/L
Mercury	BDL	BDL	0.00146 mg/L
Acetone	0.13 mg/kg	0.041 mg/kg	BDL
PCE	BDL	BDL	169 ug/L

ID Sample	BH-5.9	BH-5.10	TMW-5
Arsenic	2.84 mg/kg	BDL	0.0192 mg/L
Barium	28.5 mg/kg	3.03 mg/kg	0.534 mg/L
Chromium	16.9 mg/kg	1.5 mg/kg	0.387 mg/L
Lead	6.83 mg/kg	1.65 mg/kg	0.131 mg/L
Acetone	BDL	BDL	20.2 ug/L
PCE	BDL	BDL	5.78 ug/L

Highlighted samples: Concentration exceeds levels
mg/kg Milligrams per kilogram, mg/L Milligrams per liter, ug/L Micrograms per liter
PCE's - Tetrachloroethene
All soil and groundwater samples below laboratory detection limit unless otherwise noted or labeled BDL

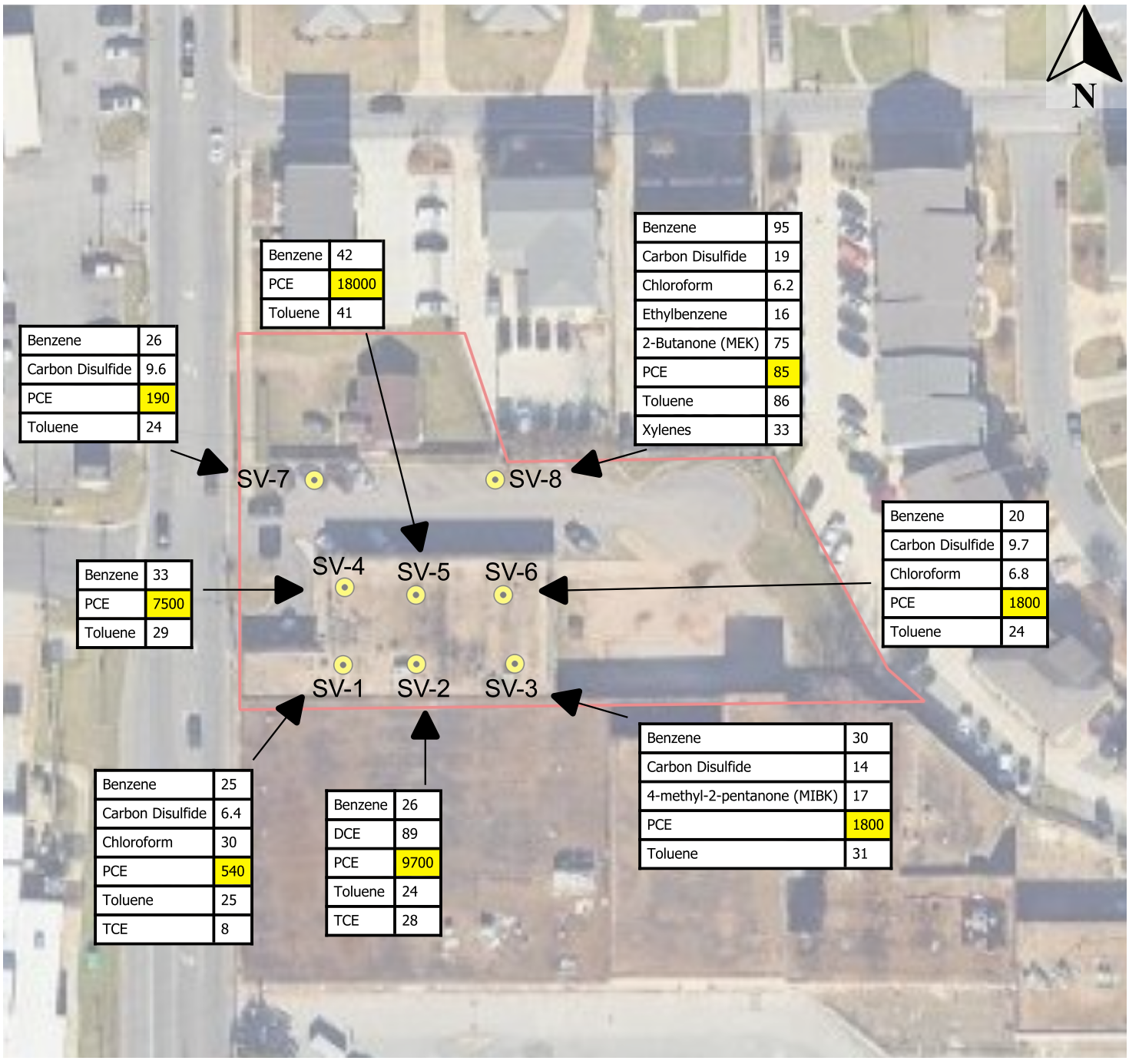
Property Boundary

Boreholes
BH-1 : BH-1.1, BH-1.2, TMW-1
BH-2: BH-2.3, BH-2.4, TMW-2
BH-3: BH-3.5, BH-3.6, TMW-3
BH-4: BH-4.7, BH-4.8, TMW-4
BH-5: BH-5.9, BH-5.10, TMW-5
BH-6.11
BH-6.12

QGIS Version: 3.40.0
HCMGIS: Google Satellite
Image Dated: 12/11/23
Created By: KGF
Dated: 9/24/25
Project:201401

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Figure 6. Soil Vapor Result Map
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401



Highlighted samples: Primary COC
All samples are in: ug/L - Micrograms per liter
PCE's - Tetrachloroethene
TCE- Trichloroethylene
DCE- Dichloroethylene, cis-1, 2-

Site Boundary Soil Vapor Location

QGIS Version: 3.40.0
HCMGIS: Google Satellite
Image Dated: 12/11/23
Created By: KGF
Dated: 12/16/25
Project:201401

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Figure 7. Proposed Vapor Barrier and COC Locations
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401



All Samples are in: ug/L - Micrograms per liter
PCE's - Tetrachloroethene
ND: Not Detected

Soil Vapor Location
Groundwater Location
Proposed Vapor Barrier

QGIS Version: 3.40.0
HCMGIS: Google Satellite
Image Dated: 12/11/23
Created By: KGF
Dated: 12/16/25
Project:201401

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APPENDICES

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Appendix A

Specifications and Technical Data Sheets for Proposed Vapor Barrier System

LETTER OF TRANSMITTAL

HARRISON CONSTRUCTION CO., INC
General Contractors / Construction Managers
P.O. Box 21300
Tuscaloosa, AL 35402

Phone: 205-333-1120
Fax: 205-333-2542
www.harrison-const.com

DATE: 12/23/2025

TO: Jack Partlow
2314 University BLVD
Tuscaloosa, AL 35401

ATTENTION: Jack Partlow/Kristin Fair

RE: Cloverdal at Hackberry Lane

WE ARE SENDING YOU THE FOLLOWING ITEMS:

[ ] Attached [ ] Under Separate Cover

[ ] Shop Drawings [ ] Prints [ ] Plans [ ] Samples

[ ] Specifications [x] Product Data Submittals

COPIES	DATE	SPEC NO.	DESCRIPTION
1	12/23/2025		Vapor Barrier - Geo Seal EV40

THESE ARE TRANSMITTED AS CHECKED BELOW:

[x] For Approval [ ] Approved as Submitted [ ] Resubmit __ copies for approval

[ ] For Your Use [ ] Approved as Noted [ ] Submit __ copies for distribution

[ ] As Requested [ ] Returned for Corrections [ ] Return __ corrected prints

[ ] For Review and Comment

REMARKS:

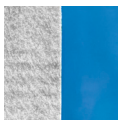
COPY TO: _____ **SIGNED:** Thomas Zegler

If enclosures are not as noted, kindly notify us at once.

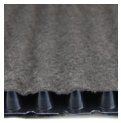
Geo-Seal® EV40s



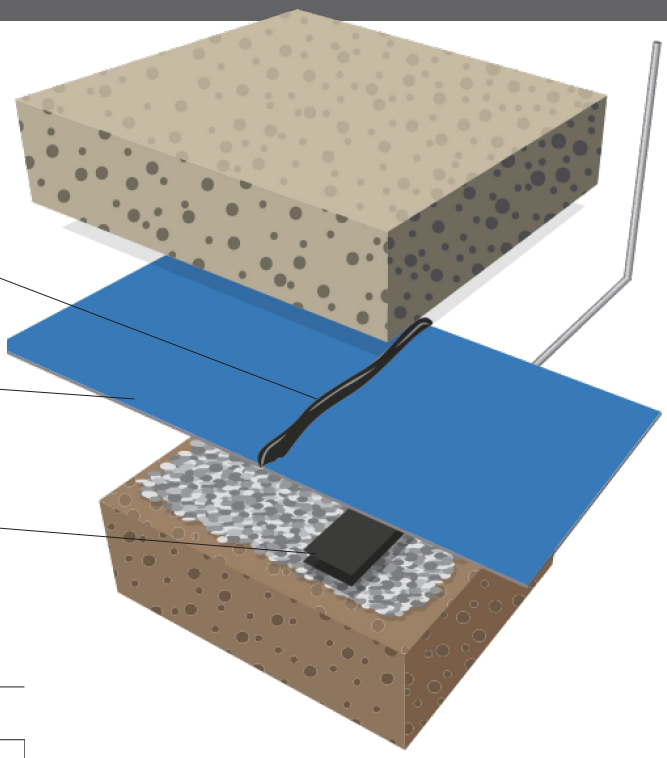
Geo-Seal CORE
(spray applied polymer modified asphaltic membrane)



Geo-Seal EV40
(EVOH/Geotextile)



Vapor-Vent System



System: Geo-Seal EV40s		
Application: Underslab Contaminant Vapor Barrier		System Thickness: 41 mils
	1st Layer	Seaming Material
Product Name	Geo-Seal EV40	Geo-Seal CORE

DESCRIPTION

Geo-Seal® EV40s is a significant improvement over existing single sheet membranes. Geo-Seal EV40s consists of an EVOH membrane combined with a robust geotextile layer to provide a single sheet vapor intrusion barrier that is chemically-resistant and easy to install, while also providing improved protection during the installation process.

Geo-Seal® EV40s is ideal for lower risk sites where site concentrations are lower than state-specific screening levels, large flat and open areas where fast installation times are required, or where active sub-slab ventilation systems are utilized.

BENEFITS

- **Spray Seams:** Geo-Seal® CORE spray membrane to seal seams, detail penetrations and terminate the membrane to concrete surfaces
- **Not Corrosive:** Will not corrode like metalized film membranes.
- **EVOH:** EVOH provides enhanced chemical vapor protection and lower permeation rates than thicker HDPE membranes.
- **Single-Source Warranty:** EPRO can be a single point of contact to address building vapor intrusion and waterproofing needs.
- **Class A:** Class A vapor barrier that alone will meet the basic water vapor barrier requirements for new construction.

LIMITATIONS

- Do not apply below 20°F or to damp, frozen or contaminated surfaces.
- Contact EPRO for waterproofing system recommendations.

SPECIFICATIONS, DRAWINGS, AND TECHNICAL ASSISTANCE

The most current specifications and drawings can be found on www.eproinc.com. For project specific details contact EPRO directly, or your local EPRO representative.

Site conditions, performance goals, and budget determine which system is most appropriate for a given project. For more information regarding product performance, testing, plan review, or general technical assistance, please contact EPRO.

WARRANTY

EPRO provides a wide range of warranty options for Geo-Seal systems. For a project to be eligible for any warranty option beyond a 1-year material warranty, a Geo-Seal Authorized Applicator must be used and the project must be registered and approved by EPRO prior to the commencement of any product application.

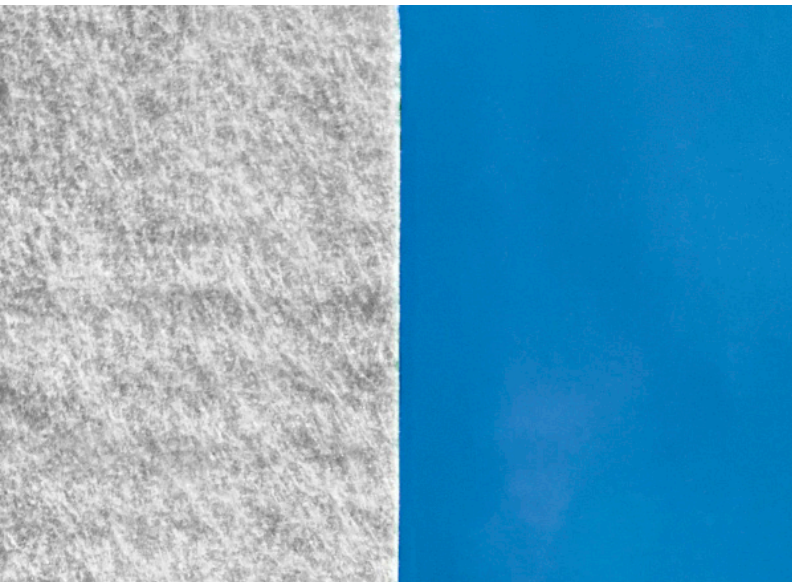
Warranty options available for this system include:

- Material warranty
- Longer warranty periods are available. Contact EPRO for more information.

Physical Property	Test Method	Value
Film Material		Polyethylene & EVOH
Film Color		White/Blue
Weight		618 g/m²
Film Thickness		41 Mil
Classification	ASTM E1745	Class A, B & C
Water Vapor Permeance	ASTM E96	0.0098 perms
Tensile Strength	ASTM D882	71 lbf
Elongation	ASTM D882	735%
Puncture Resistance	ASTM D1709	2600 grams
Life Expectancy	ASTM E154	Infinite
Low Temp. Impact	ASTM D1790	Resistant to 105° C
Methane Gas Permeance	ASTM D1434	3.68×10^{-12} m/s
Benzene Gas Permeance	Queens University	1.13×10^{-10} m²/sec
TCE Gas Permeance	Queens University	7.66×10^{-11} m²/sec
PCE Gas Permeance	Queens University	7.22×10^{-11} m²/sec
Ethylbenzene Permeance	Queens University	1.23×10^{-10} m²/sec
Toluene Permeance	Queens University	1.57×10^{-10} m²/sec
Radon Diffusion Coeffiecent	K124/02/95	7.22×10^{-11} m²/sec
PCE Diffusion Rate	GeoKinetics	6.60×10^{-15} m²/sec

Geo-Seal® Vapor Intrusion Barrier

Geo-Seal® EV40



Product Description

Basic Use: Geo-Seal EV40 is a standalone geocomposite EVOH passive barrier system used to mitigate vapor intrusion for sites deemed to be low risk. Geo-Seal EV40 may also be used in conjunction with an active sub-slab mitigation to increase system efficiency and provide an additional layer of redundancy. Geo-Seal CORE, , a specially formulated asphalt emulsion, is applied within the Geo-Seal EV40 seam overlap, around pipe penetrations, and at termination, points to eliminate the need for costly tape. Combining a sheet membrane with spray-applied detailing helps increase installation efficiency while also ensuring a robust seal in critical areas.

Composition: Geo-Seal EV40 is a 41-mil composite EVOH geomembrane with a 3 oz. geotextile bonded to one side to increase tensile and puncture strength. Geo-Seal EV40 also exceeds all Class A, B, and C vapor barrier requirements.

Benefits

- EVOH geocomposite sheet membrane provides increased thickness and robustness over similarly priced sheet membranes.
- Geotextile backing enhances tensile strength and puncture resistance, while also increasing seam strength and durability. Taped seams' integrity can be compromised in cold or wet conditions.
- Geo-Seal EV40 is smoke tested to ensure proper installation.
- Meets class A, B, and C vapor barrier standards.

Limitations

- A more robust composite system should be utilized for sites with elevated risk or more complex applications as thinner mil vapor intrusion barriers are less durable and and less puncture resistant than thicker composite systems offered by EPRO.
- Additional geotextile may be required to cushion the Geo-Seal EV40s system from additional aggregate layers.

Technical Data

Properties: See physical properties table

Coverages: One roll covers 1200 square feet, not including overlaps or waste

Specification Writer: Contact EPRO before writing specifications on this product

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Rolls should be inspected for damage prior to application.

Application: Please refer to manufacturer's specifications. Overlap the seams of Geo-Seal EV40 a minimum of 6" and with a 60 mil application of Geo-Seal CORE in the seam overlap.

Availability and Packaging

Contact a local EPRO installer or authorized applicator (www.eproinc.com).

Roll Size: 12' x 100' unfolded rolls, 165 lbs.

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to repair the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Equipment

Seaming: AD-55 Sprayer, available through EPRO for application of Geo-Seal CORE in seam overlaps.

Smoke Testing: EPRO Smoke Test Machine for underslab applications

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

Geo-Seal® Vapor Intrusion Barrier

Geo-Seal® EV40

Typical Physical Properties

Physical Property	Test Method	Value
Film Material		Polyethylene & EVOH
Film Color		White/Blue
Weight		618 g/m²
Film Thickness		41 Mil
Classification	ASTM E1745	Class A, B & C
Water Vapor Permeance	ASTM E96	0.0098 perms
Tensile Strength	ASTM D882	71 lbf
Elongation	ASTM D882	735%
Puncture Resistance	ASTM D1709	2600 grams
Life Expectancy	ASTM E154	Infinite
Low Temp. Impact	ASTM D1790	Resistant to 105° C
Methane Gas Permeance	ASTM D1434	3.68×10^{-12} m/s
Benzene Gas Permeance	Queens University	1.13×10^{-10} m²/sec
TCE Gas Permeance	Queens University	7.66×10^{-11} m²/sec
PCE Gas Permeance	Queens University	7.22×10^{-11} m²/sec
Ethylbenzene Permeance	Queens University	1.23×10^{-10} m²/sec
Toluene Permeance	Queens University	1.57×10^{-10} m²/sec
Radon Diffusion Coeffiecent	K124/02/95	7.22×10^{-11} m²/sec
PCE Diffusion Rate	GeoKinetics	6.60×10^{-15} m²/sec

Dimensions: 12’ x 100’
Weight: 165 lbs.

Geo-Seal® Vapor Intrusion Barrier

Geo-Seal® CORE



Product Description

Basic Use: Geo-Seal CORE is a polymer modified asphalt (PMA) applied to nominal dry thicknesses depending on the configuration of the Geo-Seal system vapor intrusion barrier system. Spray applied to form a seamless barrier, Geo-Seal CORE is an integral component to all Geo-Seal systems due to its ability to bond to and seam high density polyethylene (HDPE), polyolefin sheets. Geo-Seal CORE is applied with a proprietary self-contained sprayer designed to produce a high build, monolithic, and rapidly curing membrane.

Composition: Geo-Seal CORE is a non-hazardous, low-viscosity, water-based, anionic asphalt emulsion modified with a blend of synthetic polymerized rubbers and proprietary additives. Geo-Seal CORE is highly stable during transit and proper storage, but becomes highly reactive during the spray application to form a rapidly cured membrane with exceptional bonding, elongation, and hydrophobic characteristics.

Benefits

- Provides a layer of seamless protection and redundancy in all Geo-Seal system assemblies
- Hydrophobic and resistant to methane gas
- Non-toxic, non-hazardous, non-flammable, and VOC free
- Forms a tenacious bond to HDPE sheets
- Application to damp substrates is acceptable
- Can be applied in below freezing temperatures with proper equipment

Limitations

- Surfaces shall be free of dirt and debris
- Material should be stored above 40°F and not allowed to freeze
- Not a traffic bearing surface, additional protection required
- Must not be applied to ponded water
- Direct foot traffic should be limited when ambient air temperatures are greater than 100°F

Technical Data

Shelf life: 6 months. The ability to apply the product beyond its estimated shelf life is dependent on storage conditions and homogeneity of the product. Storing material in an enclosed temperature controlled environment that maintains a minimum ambient temperature of 65° Fahrenheit will likely extend the shelf life beyond 6 months.

Properties: See physical properties table

Specification Writer: Contact EPRO before writing specifications on this product. Geo-Seal system assemblies should be reviewed in order to meet project specific site conditions.

Additional test information available upon request.

Installation

EPRO Authorized Applicators must be approved in writing by EPRO prior to receiving a contract in order to qualify for a warranty for this product and system assembly.

Surface Preparation: All surfaces shall be prepared in accordance to manufacturer's specifications. Surfaces shall be uniform, free of loose materials, and surface contaminants. Contaminant and loose debris shall be removed prior to application by suitable methods.

Application: Please refer to manufacturer's specifications. Geo-Seal CORE shall be spray applied to the specified nominal mil thickness. When properly applied, Geo-Seal CORE will set up immediately on the surface and promptly start the curing process. Light foot traffic is acceptable, but must be limited to the authorized Geo-Seal applicator. The initial cure is complete when Geo-Seal CORE is no longer ejecting moisture, 12 to 48 hours depending on ambient air conditions.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

Geo-Seal CORE is available in the following packaging options:

55 gallon drum
275 gallon tote
330 gallon tote

Geo-Seal® Vapor Intrusion Barrier

Geo-Seal® CORE

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Equipment

Spray System: AD-55 Sprayer is available through EPRO. To discuss alternative spray machine options, please contact EPRO directly.

Smoke Testing: EPRO Smoke Test Machine for underslab applications

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

Typical Physical Properties

Physical Property	Test Method	Results
Tensile Strength - Core only	ASTM 412	32 psi
Tensile Strength - Geo-Seal System	ASTM 412	662 psi
Elongation	ASTM 412	4140%
Resistance to Decay	ASTM E 154 Section 13	4% Perm Loss
Accelerated Aging	ASTM G 23	No Effect
Moisture Vapor Transmission	ASTM E 96	.026 g/ft^2/hr
Hydrostatic Water Pressure	ASTM D 751	26 psi
Perm rating	ASTM E 96 (US Perms)	0.21
Methane transmission rate	ASTM D 1434	Passed
Adhesion to Concrete & Masonry	ASTM C 836 & ASTM C 704	11 lbf./inch
Hardness	ASTM C 836	80
Crack Bridging	ASTM C 836	No Cracking
Heat Aging	ASTM D 4068	Passed
Environmental Stress Cracking	ASTM D 1693	Passed
Oil Resistance	ASTM D543	Passed
Soil Burial	ASTM D 4068	Passed
Low Temp. Flexibility	ASTM C 836-00	No Cracking at -20°C

Resistance to Acids

Acetic	30%
Sulfuric and Hydrochloric	13%

Temperature Effect

Stable	248°F
Flexible	13°F

e.roll



Product Description

Basic Use: e.roll is a key component to EPRO's redundant field installed composite design concept and is a roller applied version of e.spray. It is designed to be used for system detailing, repairs, and in areas where the required clearance for e.spray cannot be achieved. e.roll is most commonly used in conjunction with e.poly to reinforce system penetrations, terminations, seams, cracks, and membrane transitions. e.roll is used on decks, over-excavated walls, blindside vertical walls, and underslab E.Series assemblies. e.roll can be applied to a wide range of materials/ substrates, high density polyethylene (HDPE), polyolefin sheets, geotextile fabric, wood, metal, foam insulation, and concrete based surfaces (green concrete, shotcrete and concrete masonry units (CMU)).

Composition: e-roll is a medium viscosity water-based, polymer-modified anionic asphalt emulsion, which exhibits exceptional bonding, elongation and waterproofing characteristics.

Benefits

- e.roll is a single component material, no additional blending is required
- Provides the ability to easily detail and repair assemblies without the use of a spray pump
- Non-toxic, non-hazardous, non-flammable, and VOC free
- Forms both a mechanical and ionic bond directly to concrete
- Application to damp substrates is acceptable

Limitations

- Surfaces shall be free of dirt and debris
- Material should be stored above 40°F and not allowed to freeze
- Not a traffic bearing surface, additional protection required
- Must not be applied to ponded water
- Cold temperatures will prolong cure time

Technical Data

Shelf life: 1 year. The ability to apply the product beyond its estimated shelf life is dependent on storage conditions and homogeneity of the product. Storing material in an enclosed temperature controlled environment that maintains a minimum ambient temperature of 65° Fahrenheit will likely extend the shelf life beyond 1 year.

Properties: See physical properties table

Specification Writer: Contact EPRO before writing specifications on this product. E.Series system assemblies should be reviewed in order to meet project specific site conditions.

Installation

Surface Preparation: All surfaces shall be prepared in accordance to manufacturer's specifications. In general, this means all surfaces shall be uniform, free of loose materials, and surface contaminants. Contaminant and loose debris shall be removed prior to application by suitable methods. A test should always be done prior to application using the same cleaning preparation and application procedures to be used on the project.

Application: Please refer to manufacturer's specifications. e.roll shall be spray applied to the specified nominal mil thickness. e.roll may be applied by roller or brush.

Cleaning: Clean all tools, hoses, spray guns, and tips with kerosene and/or equivalent.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

e.roll is available in 5 gallon or 1 gallon containers.

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

e.roll

Equipment

No special equipment is necessary.

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

This product was formally known as Ecoline-R.

Typical Physical Properties

Physical Property	Test Method	Value
Color		Brown to Black
Solvent Content		No Solvents
Shelf Life		6 months
Tensile Strength	ASTM D412	32 psi
Elongation	ASTM D412	3860%
Resistance to Decay	ASTM E154 SECTION 13	9% Perm Loss
Accelerated Aging	ASTM G23	No Effect
Moisture Vapor Transmission	ASTM E96	0.071 g/ft²/hr
Hydrostatic Water Pressure	ASTM D751	28 psi
Perm Rating	ASTM E96	0.17 perms
Methane Transmission Rate	ASTM D14334	0
Adhesion to Concrete & Masonry	ASTM C836	1 lbf/inch
Hardness	ASTM C836	85
Crack Bridging	ASTM C836	No Cracking
Low Temp. Flexibility	ASTM C836-00	No Cracking at -20°C

Packaging: 5 gallon bucket

e.poly



Product Description

Basic Use: e.poly is a polyester fabric that is designed to reinforce membrane terminations, transitions, penetrations, seams, and general repair areas. Used in every E.Series assembly, e.poly is installed between two layers of e.roll or e.spray.

Composition: e.poly is a 100% polyester textile material composed of staple fibers hydraulically entangled.

Benefits

- Excellent conformability and elongation
- Exceptional tear resistance and high tensile strength
- Open weave allows complete saturation and integration

Limitations

- Not suitable for expansion joints or areas where movement is desired

Technical Data

Properties: See physical properties table

Coverages: 6", 12" and 40" rolls cover 150, 300, and 1,080 square feet, respectively

Specification Writer: Contact EPRO before writing specifications on this product. E.Series system assemblies should be reviewed in order to meet project specific site conditions.

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Application of e.poly should be done when weather conditions meet the requirement of e.roll or e.spray.

Installation: Please refer to manufacturer's specifications. Install specified thickness of e.roll or e.spray and immediately embed e.poly into the initial layer of e.roll or e.spray. Once firmly pressed into the uncured membrane, fully saturate with additional layer of e.roll or e.spray to the specified thickness.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

Roll: 6" x 300', 12" x 300', and 40" x 324' rolls are available

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Equipment

No special equipment is needed.

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

This product was formally known as Polyester.

epro | e.poly

Typical Physical Properties

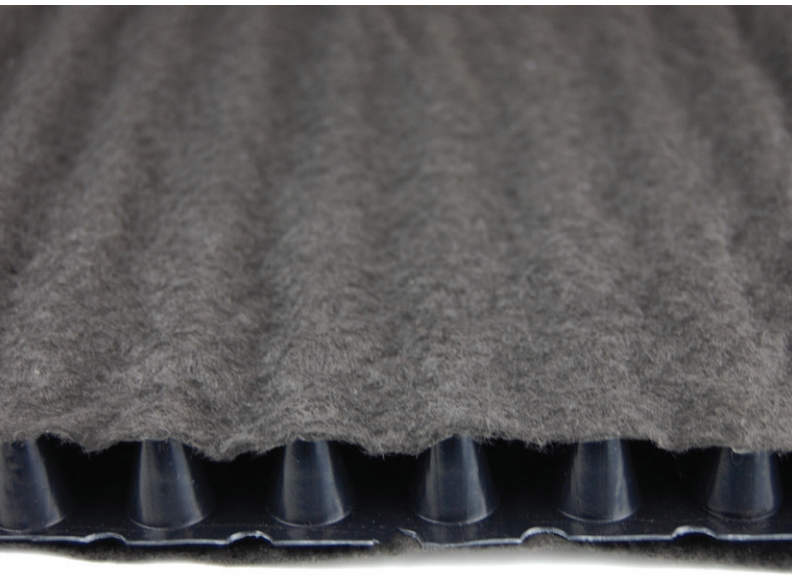
Physical Property	Test Method	Value
Weight		3 oz.
Bursting Strength	ASTM D3786	177 lbs.
Tensile Strength	ASTM D1682	57.1 psi
Tear Strength	ASTM D1117	16.1 lbs
Elongation	ASTM D1682	62.0%
Conformability		Excellent
Ease of saturation		Excellent

Dimensions: 6" x 300', 12" x 300', and 40" x 324' rolls are available

Geo-Seal® Vapor Intrusion Barrier

Vapor-Vent

Vapor-Vent™ Vapor Collection System



Product Description

Basic Use: Vapor-Vent vapor collection system is a composite low profile pressure relief and collection system designed to mitigate the build up of methane gas and contaminated vapor under an overlying structure. Vapor-Vent is most commonly designed to operate passively, but may also be designed as an active system when conditions require.

Composition: Vapor-Vent features a lightweight, three-dimensional, highly flexible polypropylene core and a non-woven geotextile filter fabric. The filter fabric is bonded to the polypropylene core to prevent fine substrates, such as sand, from clogging the vent pipe.

Benefits

- Cost effective alternative to traditional trenched PVC or ADS pipe systems
- Placed directly below the barrier system to drastically reduce vapor accumulation under the structure
- Can operate as a passive system with the ablity to activate in the future

Limitations

- Not effective when constantly submerged
- Should be placed within permeable substrates

Technical Data

Properties: See physical properties table
Coverages: One roll covers 165 lineal feet. Radius of influence is 25', maximum spacing between Vapor-Vent runs is 50'. Vent riser locations should be identified by an environmental engineer prior to installation.

Specification Writer: Contact EPRO before writing specifications on this product. Geo-Seal system assemblies should be reviewed in order to meet project specific site conditions.

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Rolls should be inspected for cosmetic damage prior to application. Substrate must be compacted and inspected prior to installation, to make certain it is in accordance with manufacturer's requirements.

Application: Please refer to manufacturer's specifications. Installation of Vapor-Vent shall occur after the preparation of substrate and prior to the placement of the barrier system. Vapor-Vent end outs shall be used in transition to vertical vent risers as required.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

Roll: 165' x 12" x 1", 65 lbs.

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Equipment

No special equipment is required.

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

Geo-Seal® Vapor Intrusion Barrier

Vapor-Vent

Typical Physical Properties

Physical Property	Test Method	Vapor-Vent Poly	Value
Material		Polystyrene	HDPE
Comprehensive Strength	ASTM D 1621	9,000 lbs/ft^2	11,400 lbs/ft^2
In-plane flow (Hydraulic gradient-0.1)	ASTM D 4716	30 gpm/ft of width	30 gpm/ft of width
Chemical Resistance		N/A	Excellent
FABRIC PROPERTIES			
Grab Tensile Strength	ASTM D 4632	100 lbs	110 lbs
Puncture Strength	ASTM D 4833	65 lbs	30 lbs
Mullen Burst Strength	ASTM D 3786	N/A	90 PSI
AOS	ASTM D 4751	70 U.S. Sieve	50 U.S. Sieve
Flow Rate	ASTM D 4491	140 gpm/ft^2	95 gpm/ft^2
UV Stability (500 hours)	ASTM D 4355	N/A	70% Retained
DIMENSIONAL DATA			
Thickness		1 inch	1 inch
Standard Widths		12 inches	12 inches
Roll Length		165 ft	165 ft
Roll Weight		65 lbs	68 lbs

Applications:	**Slab On Grade Gas Containment Vapor Intrusion Barrier With Spray Applied Seams**
Spec Version:	**EproGSEV80.VB.v1.08.20gs**
Date issued:	**September 22, 2020**
Note:	**This specification may be superseded at any time. Check eproinc.com for the most up to date version of this specification.**

SECTION 02 56 16
GAS CONTAINMENT
SECTION 02 56 19.13
FLUID APPLIED GAS BARRIER

Geo-Seal EV40S EVOH Vapor Intrusion Barrier Guide Specification

Slab On Grade

Geo-Seal EV40s is comprised of an EVOH membrane combined with a robust geotextile layer to provide a sheet membrane that is highly chemically resistant, easy to install, while also providing better protection during the installation process. Geo-Seal EV40s utilizes Geo-Seal CORE spray membrane to seal seams, detail penetrations, and terminate the membrane to concrete surfaces. This guide specification has been prepared according to the principles established in the Manual of Practice published by the Construction Specification Institute.

Note: If areas will be subjected to water and/or hydrostatic conditions, contact EPRO for appropriate system recommendations.

For additional questions, your local EPRO technical representative can be contacted through: EPRO Services, Inc., Wichita KS; 1.800.882.1896; www.eproinc.com.

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GEO-SEAL EV40S SLAB ON GRADE EVOH VAPOR INTRUSION BARRIER WITH SPRAY APPLIED SEAMS SPECIFICATION VERSION 1.0

SECTION 02 56 16 – GAS CONTAINMENT
SECTION 02 56 19.13 – FLUID-APPLIED GAS BARRIER

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the contract, including general and supplementary conditions, and Division 1 specification section, apply to this section.

1.2 SECTION INCLUDES

A. The installation of materials designed to provide vapor intrusion protection when installed per project specification, this section covers the methane mitigation and vapor intrusion membrane, along with the following:

1. Surface preparation and substrate treatment
2. Auxiliary materials
3. Prefabricated drainage mat (if applicable)
4. Foundation drain (if applicable)

1.3 RELATED SECTIONS

A. Section 02 24 00: Environmental Assessment

B. Section 02 32 00: Geotechnical Investigation

C. Section 03 15 00: Concrete Accessories

D. Section 03 30 00: Cast-in-Place Concrete

E. Section 03 40 00: Precast Concrete

F. Section 07 90 00: Joint Protection

G. Section 31 30 00: Earthwork Methods

H. Section 33 41 00: Subdrainage

1.4 PERFORMANCE REQUIREMENTS

A. General: Provide a vapor mitigation system that prevents the passage of methane gas, contaminant vapors including chlorinated solvents and petroleum hydrocarbons, and complies with the physical requirements as demonstrated by testing performed by an independent testing agency.

1.5 SUBMITTALS

A. Product Data: Submit manufacturer's printed technical data, tested physical and performance properties, instructions for evaluating, preparing, and treating substrates, and installation instructions.

B. Shop Drawings: Project specific drawings showing locations and extent of vapor intrusion barrier system, details for overlaps, penetrations, transitions, and termination conditions.

C. Samples: Submit two standard size samples of the each of the following:

1. Individual components of the specified vapor intrusion barrier system.

D. Applicator Certification: Submit written confirmation at the time of bid that applicator is currently approved by the membrane manufacturer.

1.6 QUALITY ASSURANCE

A. Applicator Qualifications: System applicator shall be an EPRO Authorized Applicator who is trained to perform work that in accordance with EPRO standards and policies.

B. Manufacturer Qualification: Obtain vapor intrusion barrier materials and system components from a single manufacturer source, EPRO. Manufacturer must have 20 years of experience in the manufacture of vapor intrusion barrier systems.

C. Third Party Inspection: Independent inspection of the system installation may be required based on project conditions and desired warranty coverage, or as required based on local building code/government agency jurisdiction. Inspection reports shall be submitted directly to the vapor intrusion barrier manufacturer and made available to other parties per the owner’s direction.

D. Pre-Construction Meeting: A meeting shall be held prior to application of the barrier system to assure proper substrate preparation, confirm installation conditions, and any additional project specific requirements. Attendees of the meeting shall include, but are not limited to the following:

1. EPRO authorized applicator
2. Third party inspector
3. General contractor
4. Owner’s representative
5. Architect and Engineer
6. Concrete/Shotcrete contractor
7. Rebar contractor
8. All appropriate related trades

E. Field Sample: Apply vapor intrusion barrier system field sample to 100 ft^2 (9.3 m^2) of each assembly to demonstrate proper application techniques and standard of workmanship.

1. Notify membrane system manufacturer's representative, architect, certified inspector, and other appropriate parties one week in advance of the dates and times when field sample will be prepared.

2. If architect and certified inspector determines that field sample does not meet requirements; reapply membrane system until field sample is approved.

3. Retain and maintain approved field sample during construction in an undisturbed condition as a standard for judging the completed membrane system. An undamaged field sample may become part of the completed work.

1.7 DELIVERY, STORAGE AND HANDLING

A. Delivery: Deliver materials to site labeled with manufacturer's name, product brand name, material type, and date of manufacture. Upon the arrival of materials to the jobsite, inspect materials to confirm material has not been damaged during transit.

B. Storage: Proper storage of onsite materials is the responsibility of the certified applicator. Consult product data sheets to confirm storage requirements. Storage area shall be clean, dry, and protected from the elements. If ambient air temperatures are expected to fall below 40°F, precautions will need to be taken to protect any emulsion product from near freezing temperatures. Protect stored materials from direct sunlight.

C. Disposal: Remove and replace any material that cannot be properly applied in accordance with local regulations and specification section 01 74 19.

1.8 PROJECT CONDITIONS

A. Substrate Review: Substrates shall be reviewed and accepted by the certified applicator and independent inspector prior to application.

B. Penetrations: **All plumbing, electrical, mechanical, and structural items to be passing through the membrane system shall be properly spaced, positively secured in their proper positions, and appropriately protected prior to system application and throughout the construction phase.** Braided grounding rods are not allowed to pass through the vapor intrusion barrier.

C. Reinforcement Steel and Concrete Forms: Vapor intrusion barrier shall be installed before placement of reinforcing steel. When penetrations post system installation occurs, it is the responsibility of the general contractor to notify the vapor intrusion barrier applicator to immediately make repairs prior to the placement of overburden, this includes the use of solid plastic "VaporStakes" used to secure concrete forms.

D. Clearance: Minimum clearance of 24 inches is required for application of spray applied polymer modified asphalt, ***Geo-Seal CORE***. For areas with less than 24-inch clearance, the product may be applied by hand using ***Geo-Seal CORE Detail***.

E. Overspray: Protect all adjacent areas not receiving the barrier application. Masking is necessary to prevent unwanted overspray from adhering to, or staining, areas not receiving the membrane. Once ***Geo-Seal CORE*** adheres to a surface it is extremely difficult to remove.

F. Weather Limitations: Perform work only when existing and forecast weather conditions are within manufacturer's recommendations.

1. Spray Applied Polymer Modified Asphalt Membrane: Minimum ambient temperature should be 40°F (7°C) and rising. For applications temperatures below 38°F, but greater than +19ºF/-7ºC, special equipment and material handling is required. Substrate shall be clean and free from standing moisture.

2. EPRO applicators reserve the right not to install product when application conditions might be within manufactures acceptance, but ambient conditions may limit a successful application.

1.9 WARRANTY

A. Special Warranty: Submit a written warranty signed by vapor intrusion barrier manufacturer agreeing to replace system materials that do not conform to manufacturer's published specifications or are deemed to be defective. Warranty does not include failure of vapor intrusion barrier due to failure of soil substrate prepared and treated according to requirements or formation of new joints and cracks in the concrete that exceed 1/8 inch (3.175 mm) in width.

1. Warranty Period: 1 years after date of substantial completion. Longer warranty periods are available upon request.

2. Coverage: Manufacturer will guarantee that the material provided is free of defects for the warranty period.

B. Additional Warranty Options: Upgraded warranties are available by contacting the manufacturer. These warranties may have additional requirements and approval must be granted in accordance to the manufacturer's warranty requirements. Additional warranty options include:

1. Waterproofing Warranties: For below grade projects that require vapor intrusion barriers and below grade waterproofing for foundation walls, single source warranties are available from EPRO.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: EPRO Services, Inc. (EPRO), P.O. Box 347; Derby, KS 67037; Tel: (800) 882-1896; www.eproinc.com

B. Basis of Design: Geo-Seal EV40s (41 mils) – ***Geo-Seal EV40***, ***Geo-Seal CORE*** (for detailing seams, terminations and penetrations)

2.2 VAPOR INTRUSION BARRIER MATERIALS

A. EVOH Geocomposite Sheet Membrane

1. **Geo-Seal EV40**: **Geo-Seal EV40** is an extremely durable, high strength base course made from the lamination of EVOH film and nonwoven polypropylene geotextile fabric.

PROPERTIES	TEST METHOD	VALUE
Film Material		Polyethylene & EVOH
Film Color		White/Blue
Fabric Material		Non-woven Polypropylene
Fabric Color		White
Thickness		41 Mil
Weight		618 g/m^2
Classification	ASTM E1745	Class A, B & C

Water Vapor Transmission	ASTM E96	0.033 perms
Water Permeance	ASTM E96	0.0098 perms (US)
Tensile Strength	ASTM D882	61 lbf
Puncture Resistance	ASTM D1709	2600 grams
Life Expectancy	ASTM E 154	Infinite
Low Temperature Impact	ASTM D 1790	Resistant to 105 °C
Methane Gas Permeance	ASTM D1434	3.68 x 10^{-12} m/s
Benzene Vapor Permeance	Queens University	1.13 x 10^{-10} m^2/s
TCE Vapor Permeance	Queens University	7.66 x 10^{-11} m^2/s
PCE Vapor Permeance	Queens University	7.22 x 10^{-11} m^2/s
Weight: 165 pounds		
Dimensions: 12” x 100'		

B. Polymer Modified Asphalt

1. ***Geo-Seal CORE***: ***Geo-Seal CORE*** is a non-hazardous, low-viscosity, water-based, anionic asphalt emulsion modified with a blend of synthetic polymerized rubbers and proprietary additives. ***Geo-Seal CORE*** is highly stable during transit and when properly stored but becomes highly reactive during the spray application to form a rapidly cured membrane with exceptional bonding, elongation, and hydrophobic characteristics.

PROPERTIES	TEST METHOD	VALUE
Color		Brown to Black
Solvent Content		No Solvents
Shelf Life		6 months
Tensile Strength	ASTM 412	32 psi
Elongation	ASTM 412	4140%
Resistance to Decay	ASTM E 154 Section 13	4% Perm Los
Accelerated Aging	ASTM G 23	No Effect
Moisture Vapor Transmission	ASTM E 96	0.026 g./sq. ft./hr.
Hydrostatic Water Pressure	ASTM D 751	26 psi
Perm Rating	ASTM E 96 (US Perms)	0.21
Methane Transmission Rate	ASTM D 1434	0
Adhesion to Concrete & Masonry	ASTM C 836 & C 704	20 lbf./inch
Adhesion to HDPE	ASTM C 836	28.363 lbf./inch
Adhesion to Polypropylene Fabric	ASTM C 836	31.19 lbf./inch
Hardness	ASTM C 836	80
Crack Bridging	ASTM C 836-00	No Cracking
Low Temp. Flexibility		No Cracking at -20° C
Packaging: 55 gallon drum, 275 gallon tote, 330 gallon tote		

2. ***Geo-Seal CORE Detail***: ***Geo-Seal CORE Detail*** is single component, medium viscosity, water-based, polymer-modified anionic asphalt emulsion, which exhibits exceptional bonding, elongation and hydrophobic characteristics.

PROPERTIES	TEST METHOD	VALUE
Color		Brown to Black
Solvent Content		No Solvents
Shelf Life		6 months
Tensile Strength	ASTM 412	32 psi
Elongation	ASTM 412	3860%
Resistance to Decay	ASTM E 154 SECTION 13	9% Perm Loss
Accelerated Aging	ASTM G 23	No Effect

Moisture Vapor Transmission	ASTM E 96	0.071 g/sq. ft./hr.
Hydrostatic Water Pressure	ASTM D 751	28 psi
Perm Rating	ASTM E 96 (US Perms)	0.17
Methane Transmission Rate	ASTM D 14334	0
Adhesion to Concrete & Masonry	ASTM C 836	1 lbf/inch
Hardness	ASTM C 836	85
Crack Bridging	ASTM C 836	No Cracking
Low Temp. Flexibility	ASTM C 836-00	No Cracking at -20° C
Packaging: 5 gallon bucket		

2.3 AUXILIARY MATERIALS

A. General: All accessory products shall be provided by the specified vapor intrusion barrier manufacturer. Auxiliary products used in lieu of, or in addition to, the manufactures products must be approved in writing by EPRO prior to installation.

B. Reinforcement Fabric: Manufacturer's polyester fabric, ***Geo-Seal Reinforcement Fabric*** is available in 6 inch, 12 inch, and 40 inch widths.

C. Detailing Material: ***Geo-Seal CORE Detail***, a roller applied, water based, high viscosity, polymer modified asphaltic material.

D. Backer Rod: Closed cell polyethylene foam

E. Termination Bar: ***e.term hd***, or approved alternate.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Comply with project documents, manufacturer's product information, including product application and installation guidelines, pre-job punch list, as well as, manufacturer's shipping and storage recommendations.

3.1.2 SURFACE PREPARATION

A. The general contractor shall engage the certified vapor intrusion barrier contractor and certified inspector to ensure surfaces are prepared in accordance with manufacturer's instructions. Unless, explicitly stated in the contract documents, the vapor intrusion barrier contractor is not responsible for surface preparation.

B. Examine all substrates, areas, and conditions under which the membrane system will be installed, applicator and inspector must be present. Do not proceed with installation until unsatisfactory conditions have been corrected and surface prepration requirements have been met. If conditions exist that are not addressed in this section, notify inspector and contact EPRO for additional clarification.

C. Soil and Sand Substrates: Native soil and sand substrates shall be uniformly compacted to meet structural and building code requirements. All surfaces shall be free from protrusions and debris that may compromise the membrane system. Free standing water must be removed prior to application.

D. Aggregate Substrates: Aggregate substrates shall be compacted to meet structural and building code requirements and then rolled flat to provide a uniform substrate. ¾ inch minus aggregate with no more than one fractured face is recommended, but other aggregates substrates may be approved by the manufacturer provided they do not create sharp angular protrusions that may compromise the vapor intrusion system.

E. Working Slab: Mud slab, rat slab, or other concrete working slab shall have a uniform plane with a light broom or light trowel finish.

F. Concrete Surfaces: Clean and prepare concrete surface to manufacturer's recommendations. In general, only apply the **Geo-Seal CORE** material to dry, clean and uniform concrete substrates with a light trowel, light broom, or equivalent finish.

G. Cast-in-Place or Shotcrete Walls: Application to green concrete is acceptable provided the substrate is prepared in accordance with manufacturers specifications and published instructions.

1. Provide clean, dust-free, and dry substrate for vapor intrusion barrier application.

2. Surfaces shall be power washed to remove grease, oil, form release agents, or any other penetrating contaminants from the concrete.

3. Remove all fins, ridges, and other protrusions.

4. Fill honeycomb, aggregate pockets, tie holes, and other voids with hydraulic cement, or rapid-set grout.

3.2 VAPOR INTRUSION BARRIER INSTALLATION

A. General: The underslab vapor intrusion system shall be installed under strict accordance with the manufacturer's guidelines and project specifications.

3.2.2 EVOH GEOCOMPOSITE SHEET MEMBRANE – GEO-SEAL EV40

A. Whenever possible roll out ***Geo-Seal EV40*** in the same direction over the substrate with geotextile side facing down, away from the installer. When multiple pours will occur, extend the ***Geo-Seal EV40*** a minimum of 2 feet past the pour joint.

B. Overlap ***Geo-Seal EV40*** a minimum of 6 inches.

C. At the seam overlap, peel back the top layer of ***Geo-Seal EV40*** and apply 60 mils into the overlapping seam, making certain to apply ***Geo-Seal CORE*** to both the top of the bottom sheet and the bottom of the top sheet. Embed the top sheet into the bottom sheet.

D. Visually verify there are no gaps/fish-mouths in seams.

3.2.3 POLYMER MODIFED ASPHALT MEMBRANE – GEO-SEAL CORE

A. Mask off adjoining surfaces where unwanted ***Geo-Seal CORE*** polymer modified asphalt membrane may be exposed on finished surfaces or impact other construction trades.

B. Commence application of ***Geo-Seal CORE*** polymer modified asphalt when ambient air temperatures are within manufacturer recommendations.

C. Surfaces that will receive the membrane must be clean and free from standing moisture.

D. Start installing ***Geo-Seal CORE*** in presence of approved 3rd party inspector or required city inspector.

E. Apply one application of ***Geo-Seal CORE*** membrane in accordance to manufacturer's instructions in order to obtain a seamless membrane with a minimum dry film thickness of 30 mils (1.5 mm).

F. Apply ***Geo-Seal CORE/Geo-Seal CORE Detail*** in and around penetrations and cavities to ensure the formation of monolithic seal around all penetrations.

G. Apply ***Geo-Seal CORE/Geo-Seal CORE Detail*** to prepared wall terminations and vertical surfaces to heights indicated according to manufacturer's recommendations and details. (if applicable)

3.2.4 TERMINATION SEQUENCE

A. System Termination: The termination process is appropriate for terminating the membrane onto exterior footings, pile caps, interior footings and grade beams. When terminating the membrane to stem walls or vertical surfaces the same process should be used.

1. Concrete surfaces that are not a light trowel, light broom or equivalent finish, will need to be repaired.

2. Terminations on horizontal and vertical surfaces should extend 6" onto the termination surface. Job specific conditions may prevent a 6" termination.

3. Apply 60 mils of ***Geo-Seal CORE*** to the terminating surface and then embed the ***Geo-Seal EV40*** layer by pressing it firmly into the ***Geo-Seal CORE*** layer.

4. Apply 30 mils of ***Geo-Seal CORE*** over the edge of termination. For further clarification, refer to the termination detail provided by the manufacturer.

3.2.5 SEALING OF PENETRATIONS

A. Sealing of Standard Pipe Penetrations: Prepare membrane penetrations so they are free of any material that will inhibit a direct bond to the penetration surface: foam, insulation, protective coatings, etc.

1. Trim ***Geo-Seal EV40*** to within 1/8 inch of the penetration.

2. Apply ***Geo-Seal CORE Detail*** 3 inches horizontally and 3 inches vertically around the base of the penetration.

3. Embed ***Geo-Seal Reinforcement Fabric*** reinforcement fabric 3 inches horizontally and 3 inches vertically around the base of the penetration.

4. Apply a second layer of ***Geo-Seal CORE Detail*** to reinforcement fabric until the reinforcement fabric is fully saturated. Secure ***Geo-Seal Reinforcement Fabric*** reinforcement fabric to penetration with a cable tie. For further clarification, refer to the termination detail provided by manufacturer.

3.3 FIELD QUALITY CONTROL

A. Smoke Test: Conduct smoke test on all underslab areas upon installation of the ***Geo-Seal EV40*** sheet, the sealing of all penetrations, ***terminations, and sheet membrane overlaps***. All deficient areas shall be noted, marked for repair, and repairs verified. Refer to manufactures smoke testing protocol for additional guidance.

B. Field Inspection: Contact EPRO for independent certification process.

C. Take care to prevent contamination and damage during application stages and curing. Machinery, additional trades, or general construction shall NOT take place over the membrane until inspection is complete and concrete has been placed. The membrane shall always be properly protected when equipment is operated near the membrane.

D. Prevent damage during the placement of reinforcement steel and overburden.

E. Damage Observation: Prior to the placement of concrete a visual inspection to confirm no damage has occurred from construction traffic or during the placement of reinforcement steel is recommended.

3.4 REPAIRS

A. Underslab:

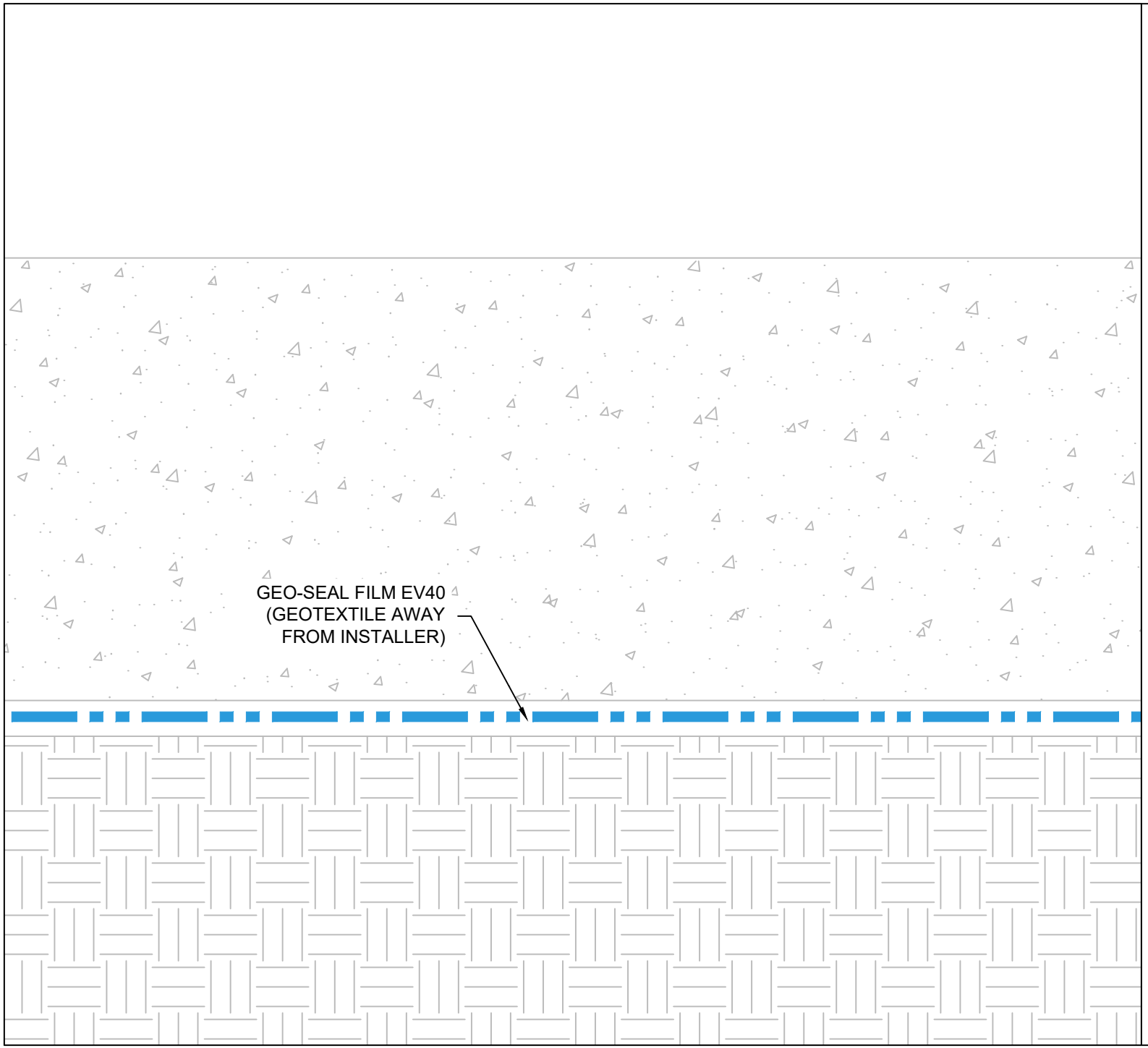
1. Inspect damaged area to determine which system components have been damaged.

2. If the ***Geo-Seal EV40*** sheet has not been compromised, patch only the areas that have been damaged by re-installing the damaged materials. The patch should extend 6 inches beyond the damaged area in all directions.

3. If the ***Geo-Seal EV40*** sheet has been breached but no additional system components have been installed, install a patch below and above the base sheet that extends 6 inches beyond the damaged area. Area shall be sealed using the specified method for sealing the base sheet.

4. Refer to manufacturer's detail for further repair clarification.

End of Section



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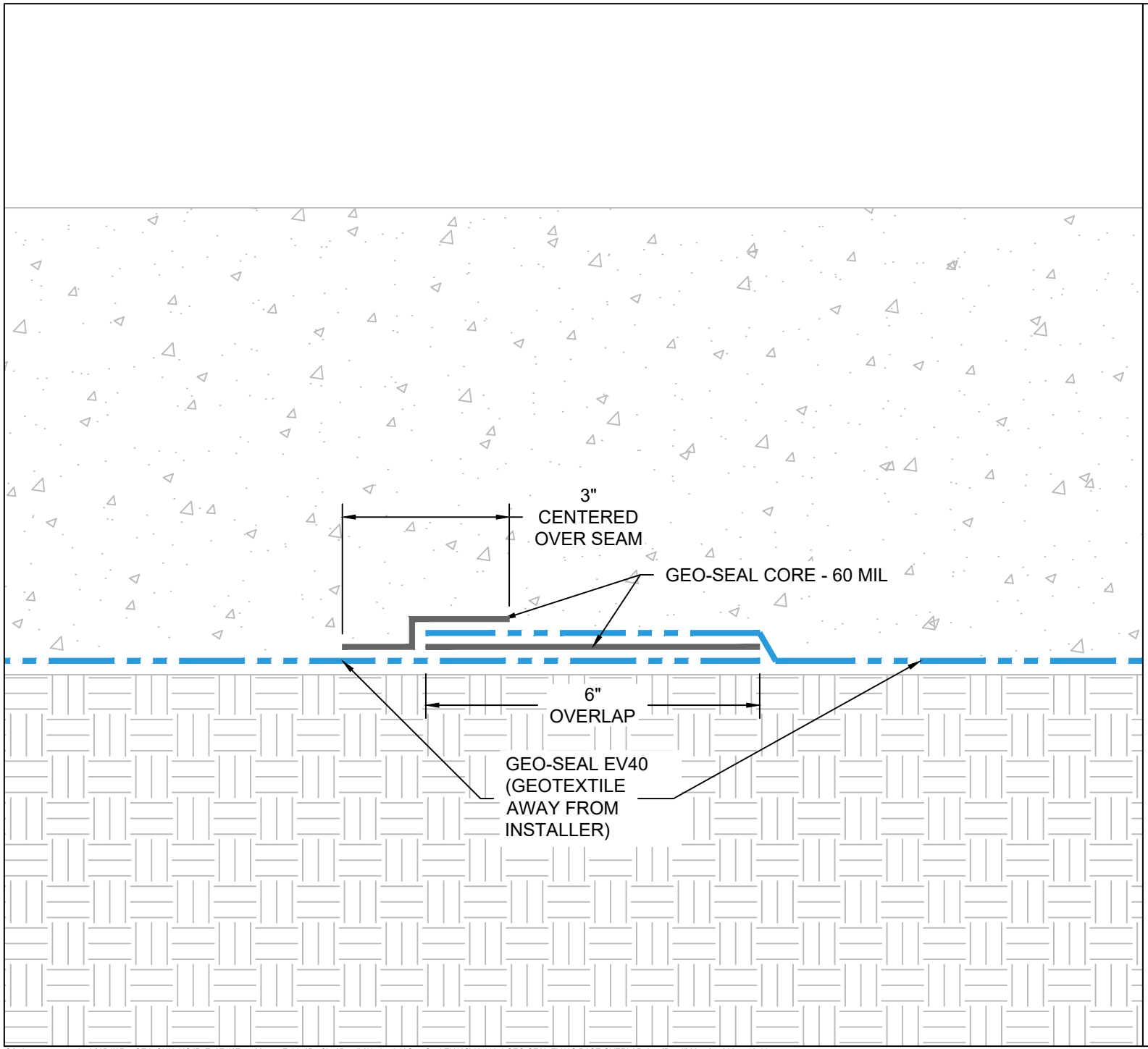
DRAWIMG NUMBER
48.100.1

SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
UNDERSLAB ASSEMBLY

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS



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Geo-Seal® Vapor Intrusion Barrier

DRAWIMG NUMBER
48.110.4

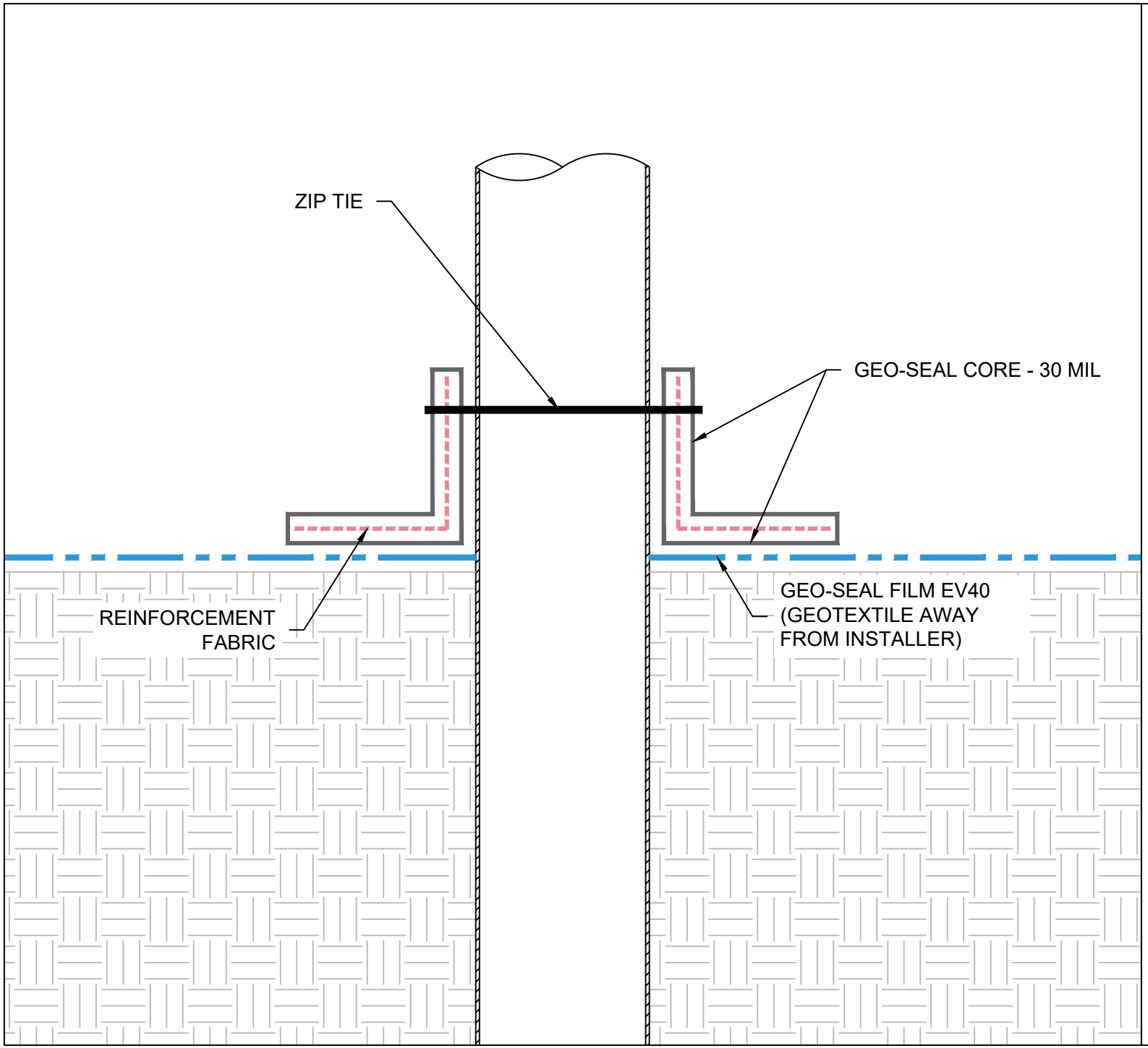
SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
EV40S OVERLAP

DATE
05/27/2025

DRAWN BY	SCALE
RJT	NTS

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Geo-Seal® Vapor Intrusion Barrier

DRAWIMG NUMBER
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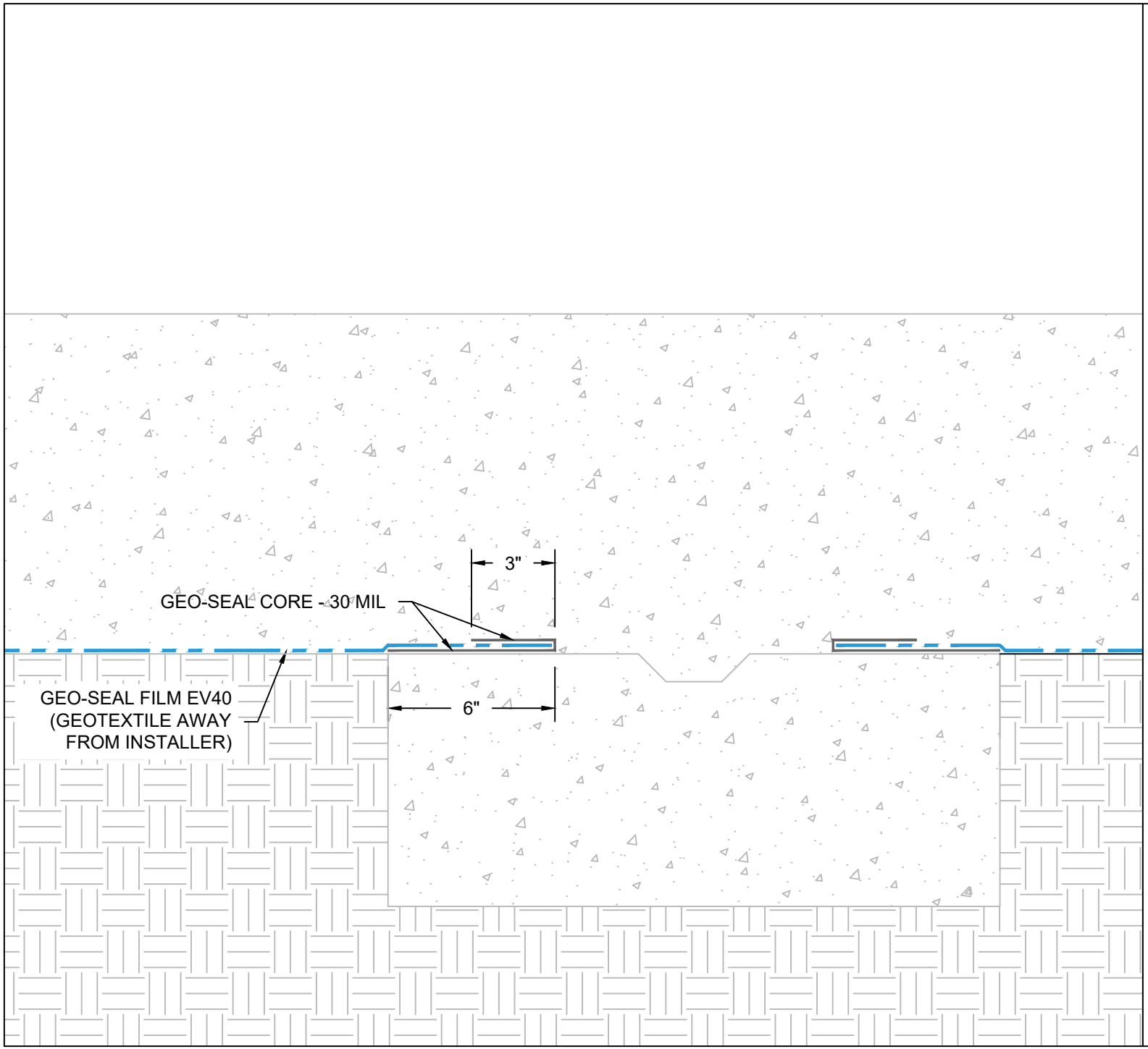
SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
UNDERSLAB PIPE PENETRATION

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS

PAGE 1 OF 1



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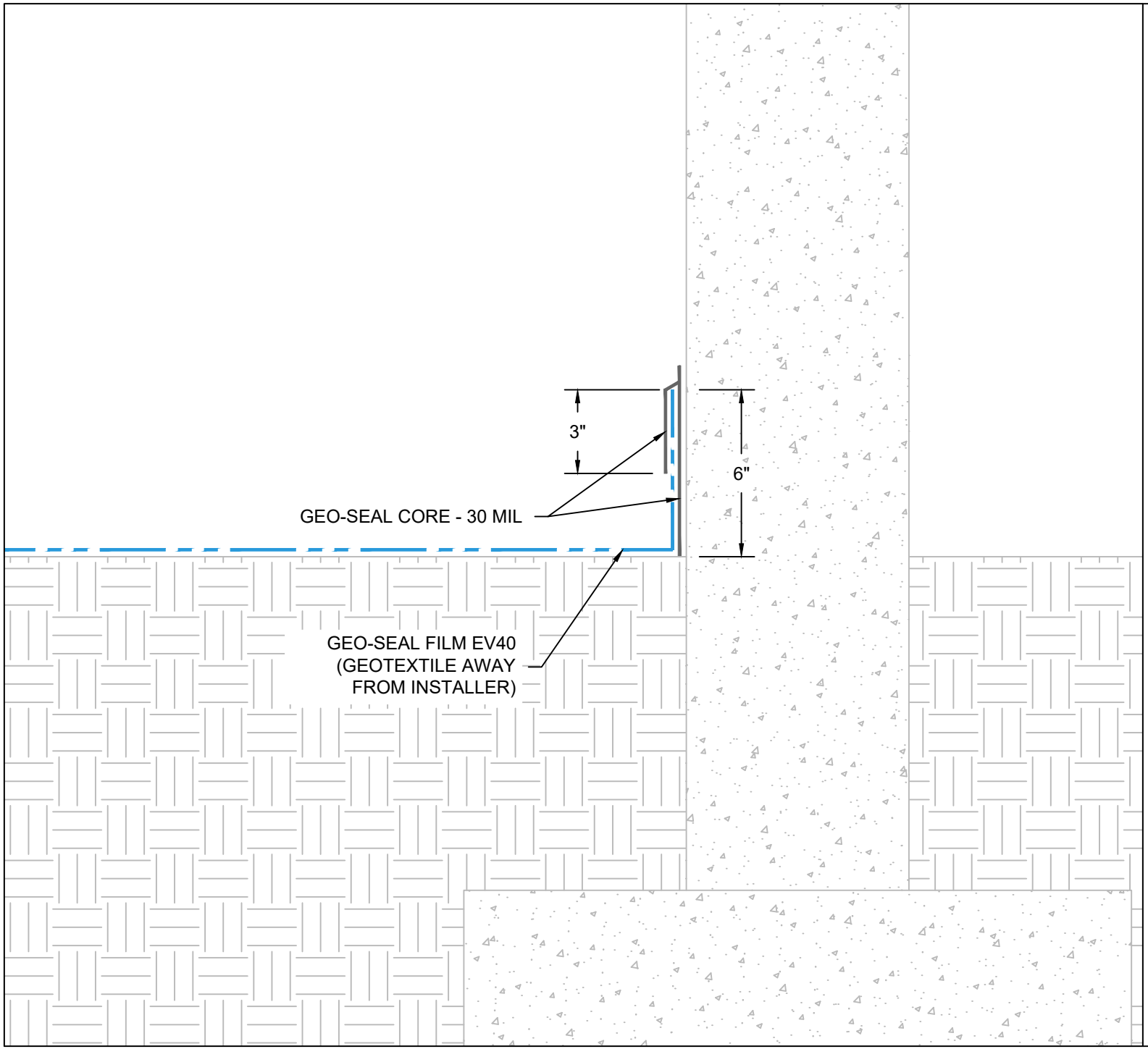
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48.130.1

SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
UNDERSLAB
GRADE BEAM 6"
TERMINATION

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS



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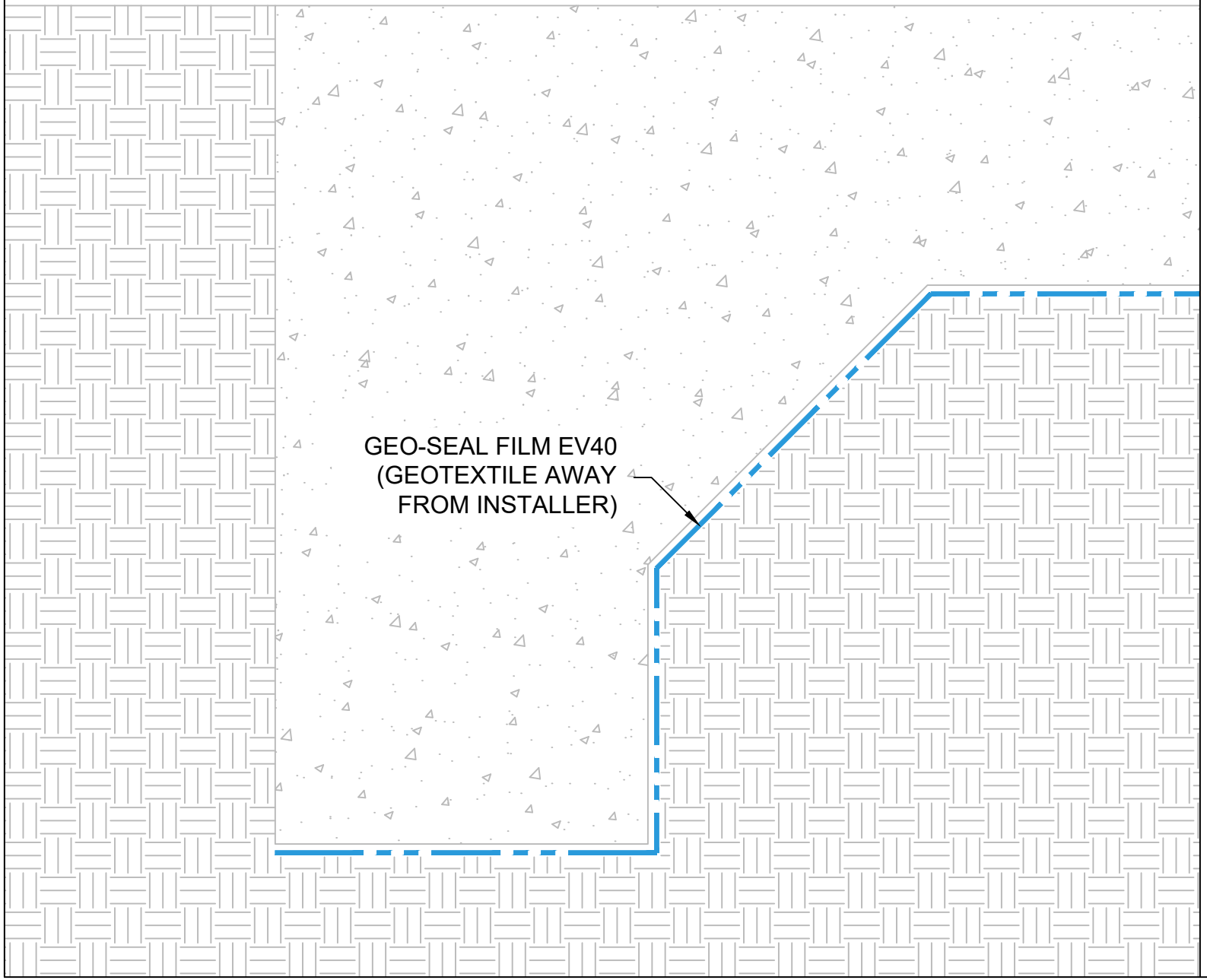
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48.131.1

SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
VERTICAL TERMINATION

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS



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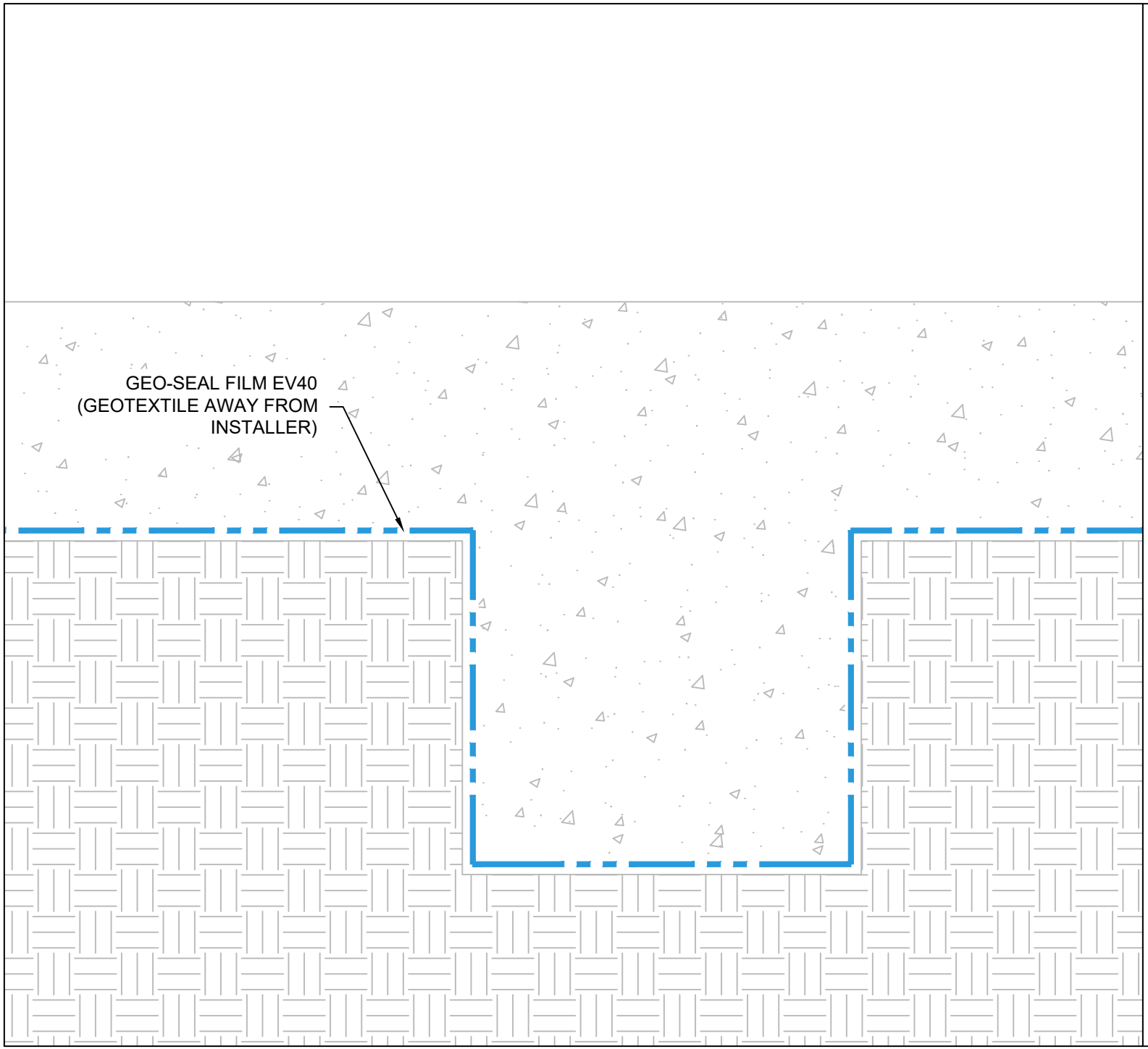
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SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
UNDERSLAB PERIMETER FOOTING TERMINATION

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS



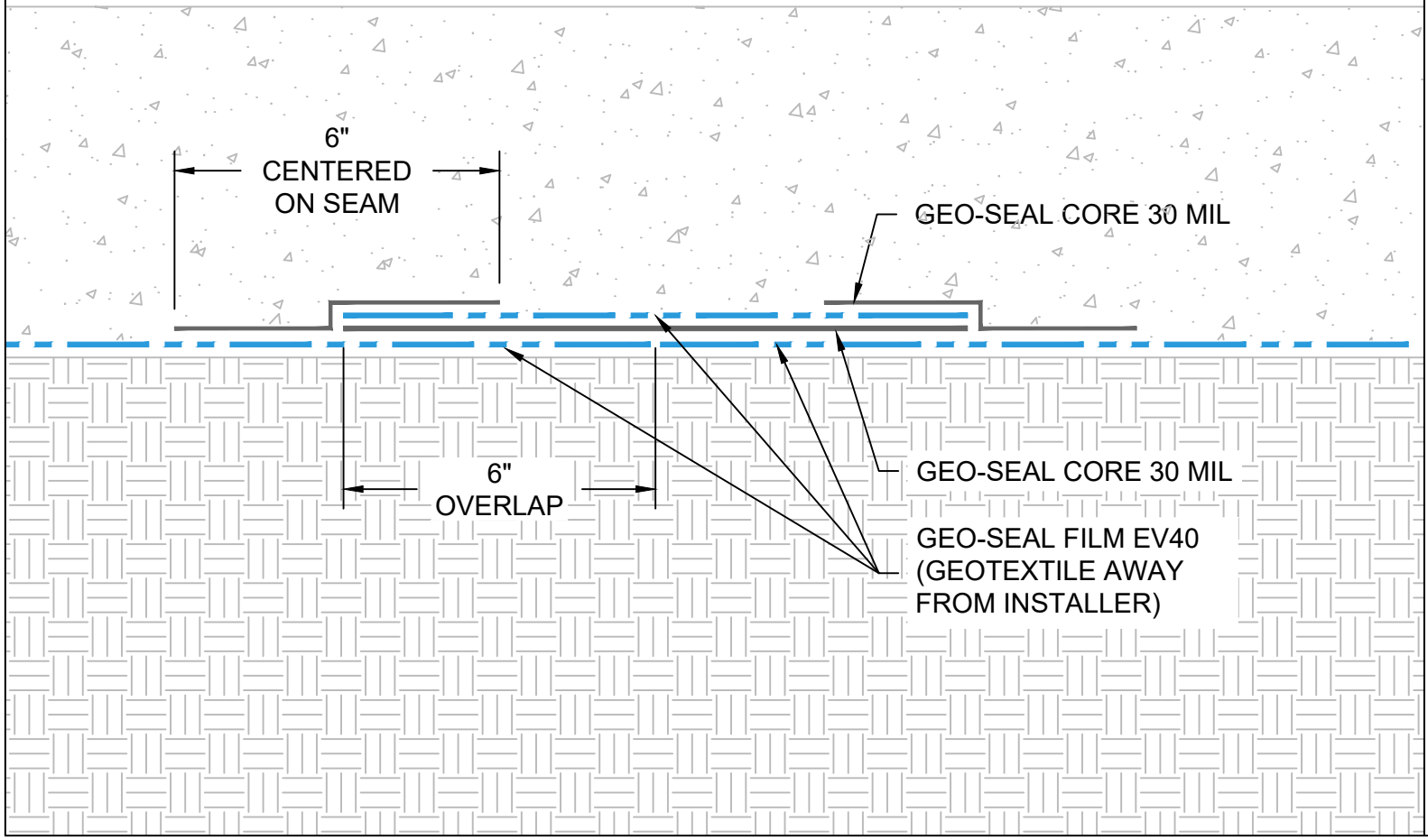
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DRAWIMG NUMBER
48.142.1
SYSTEM NAME
GEO-SEAL EV40S
SYSTEM DESCRIPTION
UNDER GRADE BEAM ASSEMBLY
DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS



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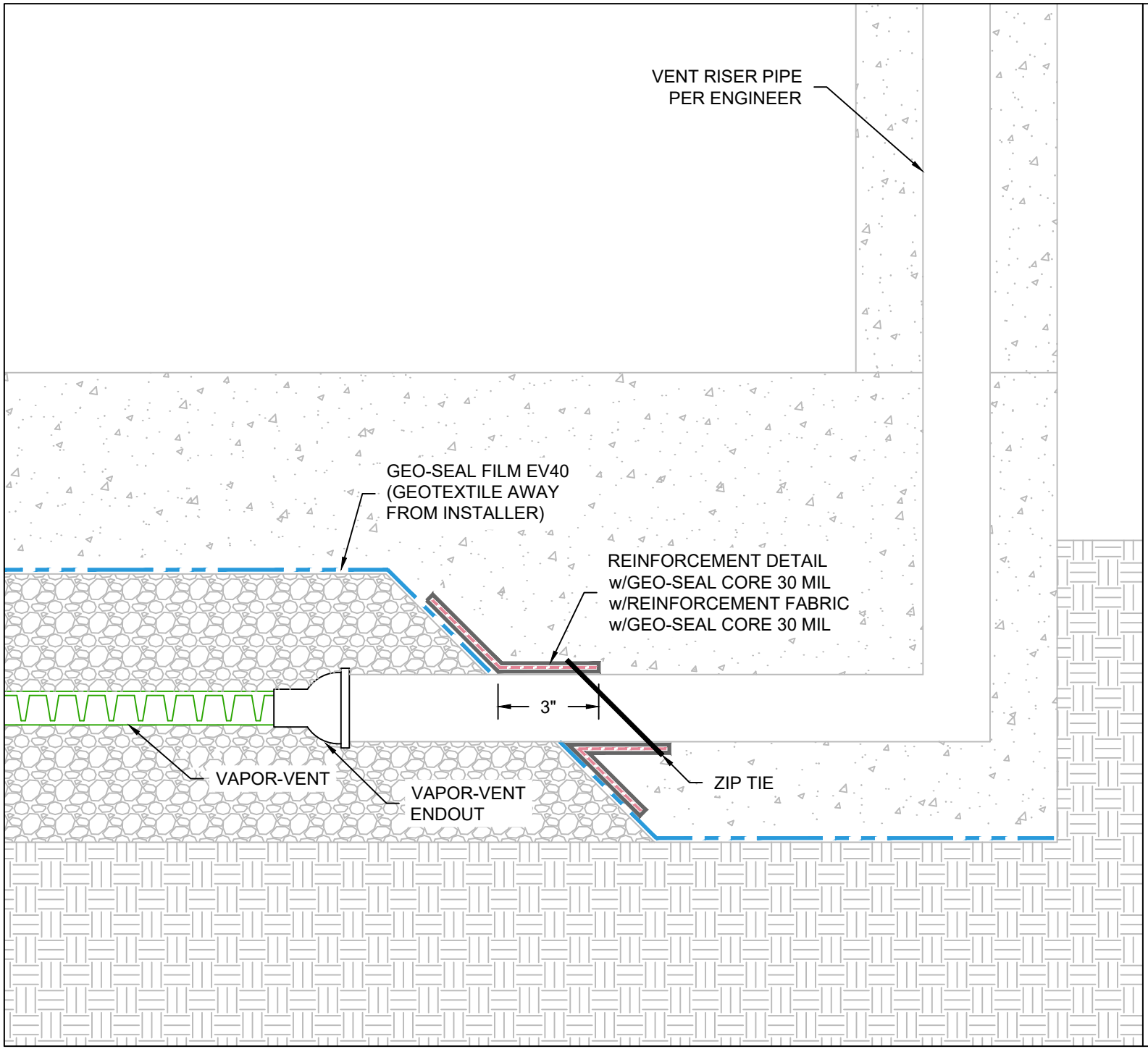
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SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
UNDERSLAB ASSEMBLY REPAIR

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS



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Geo-Seal® Vapor Intrusion Barrier

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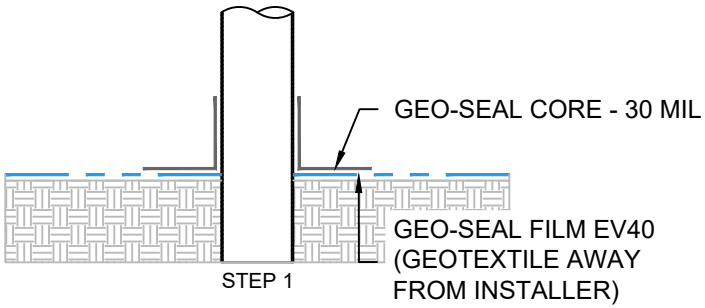
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GEO-SEAL EV40S

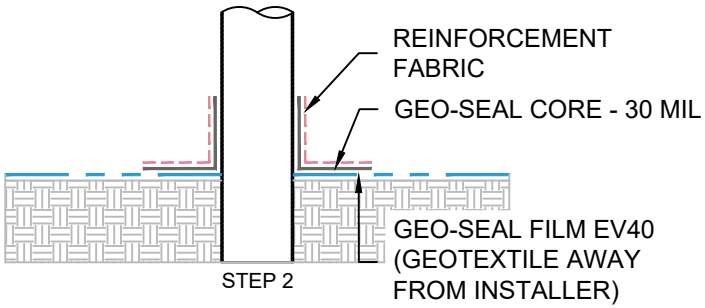
SYSTEM DESCRIPTION
UNDERSLAB @ PENETRATION

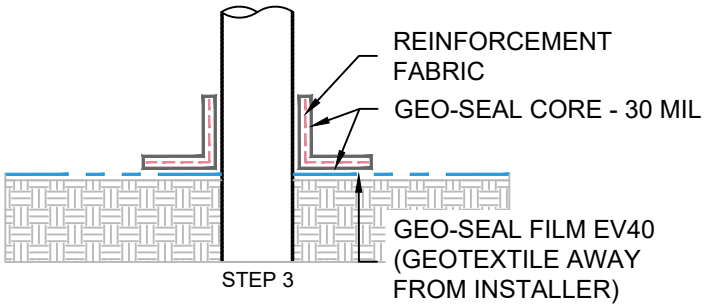
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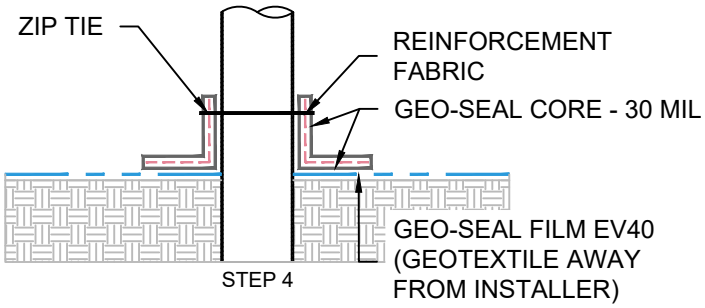
DRAWN BY	SCALE
RJT	NTS

PAGE 1 OF 1







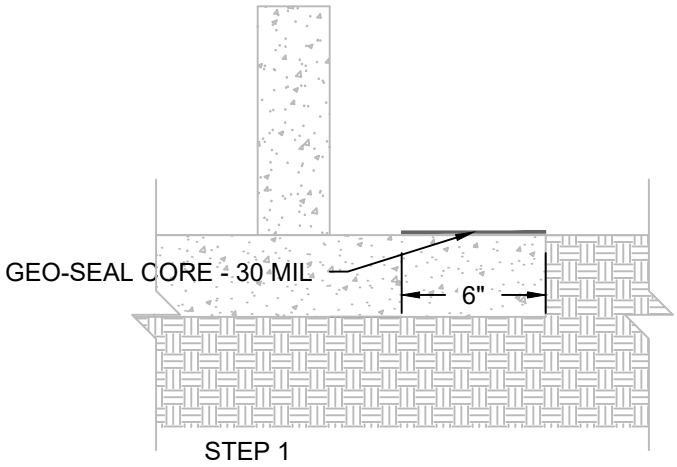


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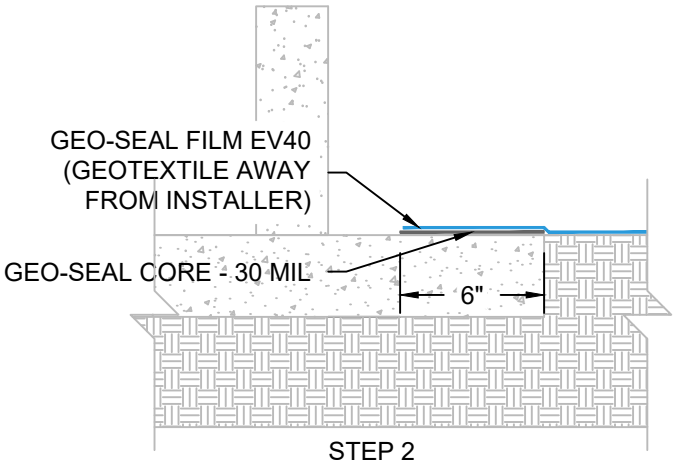
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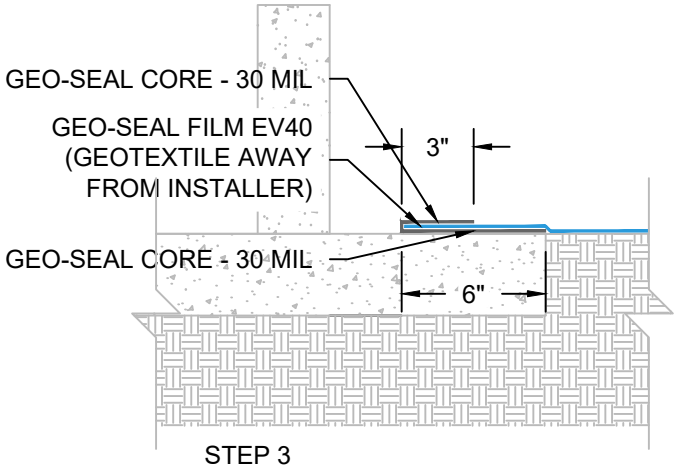
DRAWIMG NUMBER	48.900.1
SYSTEM NAME	GEO-SEAL EV40S
SYSTEM DESCRIPTION	UNDERSLAB PIPE PENETRATION SEQUENCE
DATE	08/31/2020
DRAWN BY	RJT
SCALE	NTS



STEP 1



STEP 2



STEP 3

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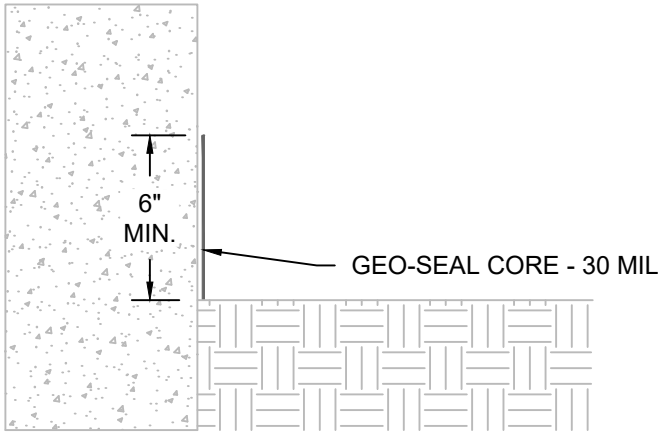
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SYSTEM NAME
GEO-SEAL EV40S

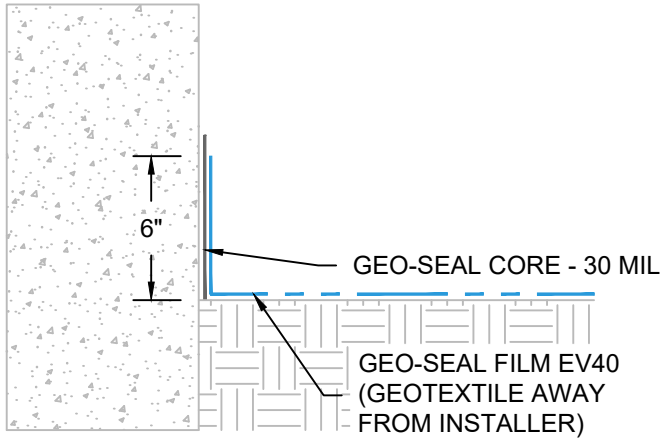
SYSTEM DESCRIPTION
UNDERSLAB TERMINATION @ PERIMETER FOOTING SEQUENCE

DATE
08/31/2020

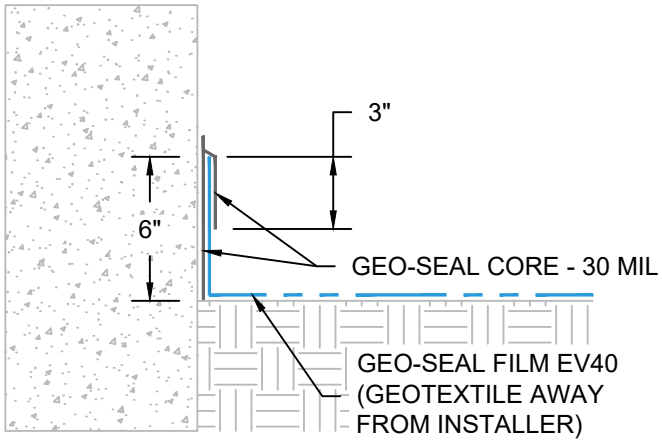
DRAWN BY	SCALE
RJT	NTS



STEP 1



STEP 2



STEP 3

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Geo-Seal®
Vapor Intrusion Barrier

DRAWIMG NUMBER
48.902.1

SYSTEM NAME
GEO-SEAL EV40S

SYSTEM DESCRIPTION
UNDERSLAB TERMINATION @ WALL SEQUENCE

DATE
08/31/2020

DRAWN BY	SCALE
RJT	NTS

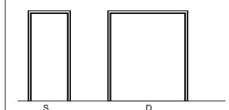
SHEET NOTES

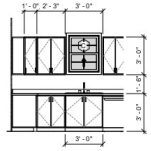
1. EXTERIOR WALLS ARE DIMENSIONED TO OUTSIDE FACE OF WALL STUD, UNLESS OTHERWISE NOTED.
2. INTERIOR WALLS ARE DIMENSIONED TO STUD, UNLESS OTHERWISE NOTED.
3. DOOR FRAMES TO BE 4" FROM INSIDE FACE OF JAMB FRAME TO ADJOINING WALLS UNLESS NOTED OTHERWISE.
4. PROVIDE CARBON MONOXIDE ALARMS OUTSIDE EACH BEDROOM IN EACH UNIT ON EACH STORY. COORDINATE WITH FIRE MARSHAL'S OFFICE FOR EXACT LOCATIONS REQUIRED.
5. INTERIOR PARTITIONS TO BE 2x4 WOOD STUD FRAMING WITH 5/8" GYP. BD. BOTH SIDES OF PARTITION, TYPICAL UNLESS NOTED OTHERWISE.
6. ALL DIMENSIONS ON LEVELS 2 & 3 ARE THE SAME AS LEVEL 1 UNLESS OTHERWISE NOTED.

TYP. DOOR SCHEDULE

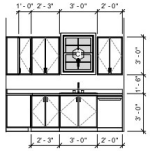
SPACE NO. / DOOR DESIGNATION	DOOR SIZE WIDTH	HEIGHT	THICK	DOOR DESCRIPTION TYPE	MATL	GLASS	FRAME DESCRIPTION TYPE	MATL	DETAILS	REMARKS
01	3'-2"	9'-0"	1 3/4"							
02	3'-0"	7'-0"	1 3/4"	F	WD		S	HM		
03	3'-0"	7'-0"	1 3/4"	F	WD		S	HM		
04	3'-0"	7'-0"	1 3/4"	F	WD		S	HM		
05	2'-6"	7'-0"	1 3/4"	F	WD		S	HM		
06	2'-10"	7'-0"	1 3/4"	F	WD		S	HM		
07	5'-0"	7'-0"	1 3/4"	F	HM		D	HM		
08	3'-0"	7'-0"	1 3/4"	F	HM		D	HM		
09	2'-10"	7'-0"	1 3/4"	F	WD		S	HM		
10	5'-0"	7'-0"	1 3/4"	F	HM		D	HM		
11	5'-0"	7'-0"	1 3/4"	F	HM		D	HM		
12	5'-0"	7'-0"	1 3/4"	F	HM		D	HM		

FRAME LEGEND

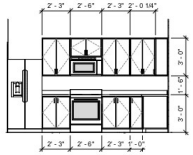




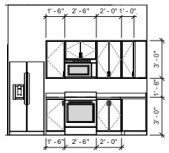
7 KITCHEN TYPE B ELEVATION 2
1/4" = 1'-0"



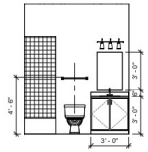
5 KITCHEN TYPE A ELEVATION 2
1/4" = 1'-0"



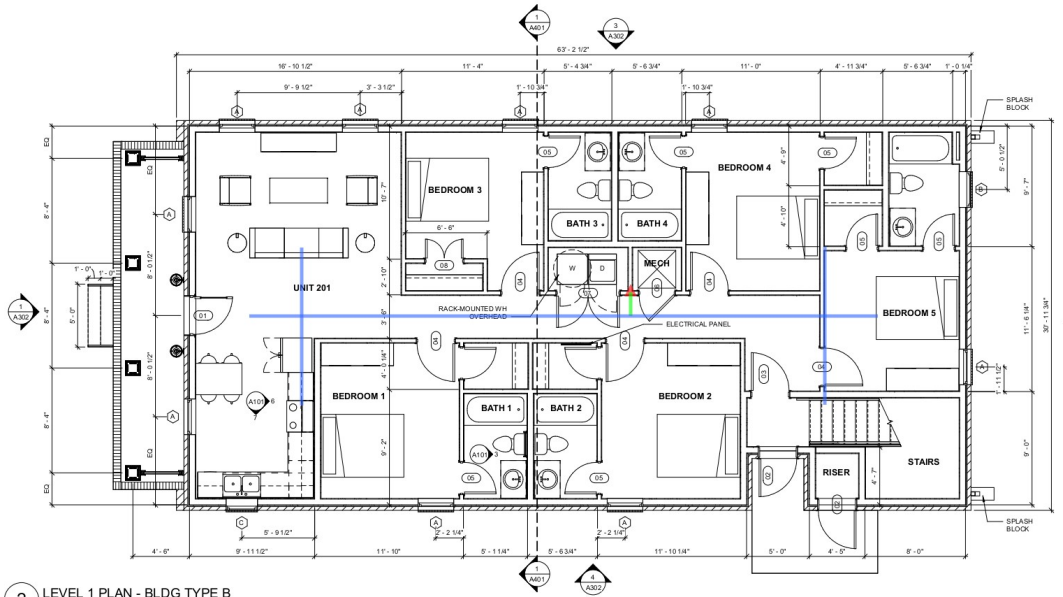
6 KITCHEN TYPE B ELEVATION 1
1/4" = 1'-0"



4 KITCHEN TYPE A ELEVATION 1
1/4" = 1'-0"

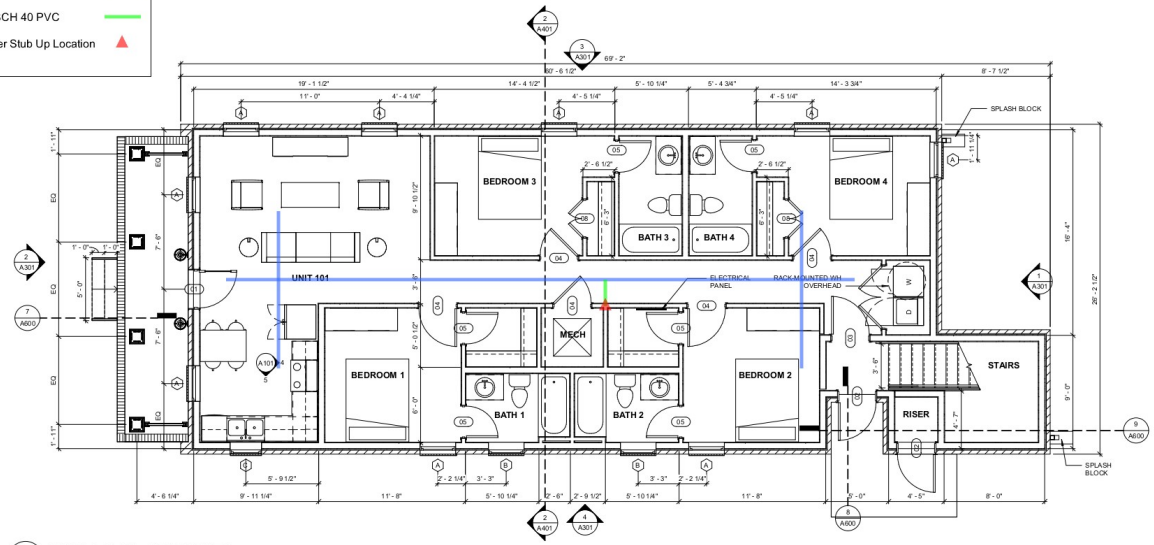


3 TYP. BATHROOM ELEVATION
1/4" = 1'-0"



2 LEVEL 1 PLAN - BLDG TYPE B
1/4" = 1'-0"

Low Profile VaporVent
3" SCH 40 PVC
Riser Stub Up Location



1 LEVEL 1 PLAN - BLDG TYPE A
1/4" = 1'-0"

TIMOTHY SCOTT BARNETT
REGISTRATION NO. 6034
ARCHITECT
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

CLOVERDALE AT HACKBERY LANE

1405-1431 HACKBERRY LANE
TUSCALOOSA, AL 35401

JOB NUMBER: 25051

DATE: 10/27/2025

PRINTED / REVISIONS

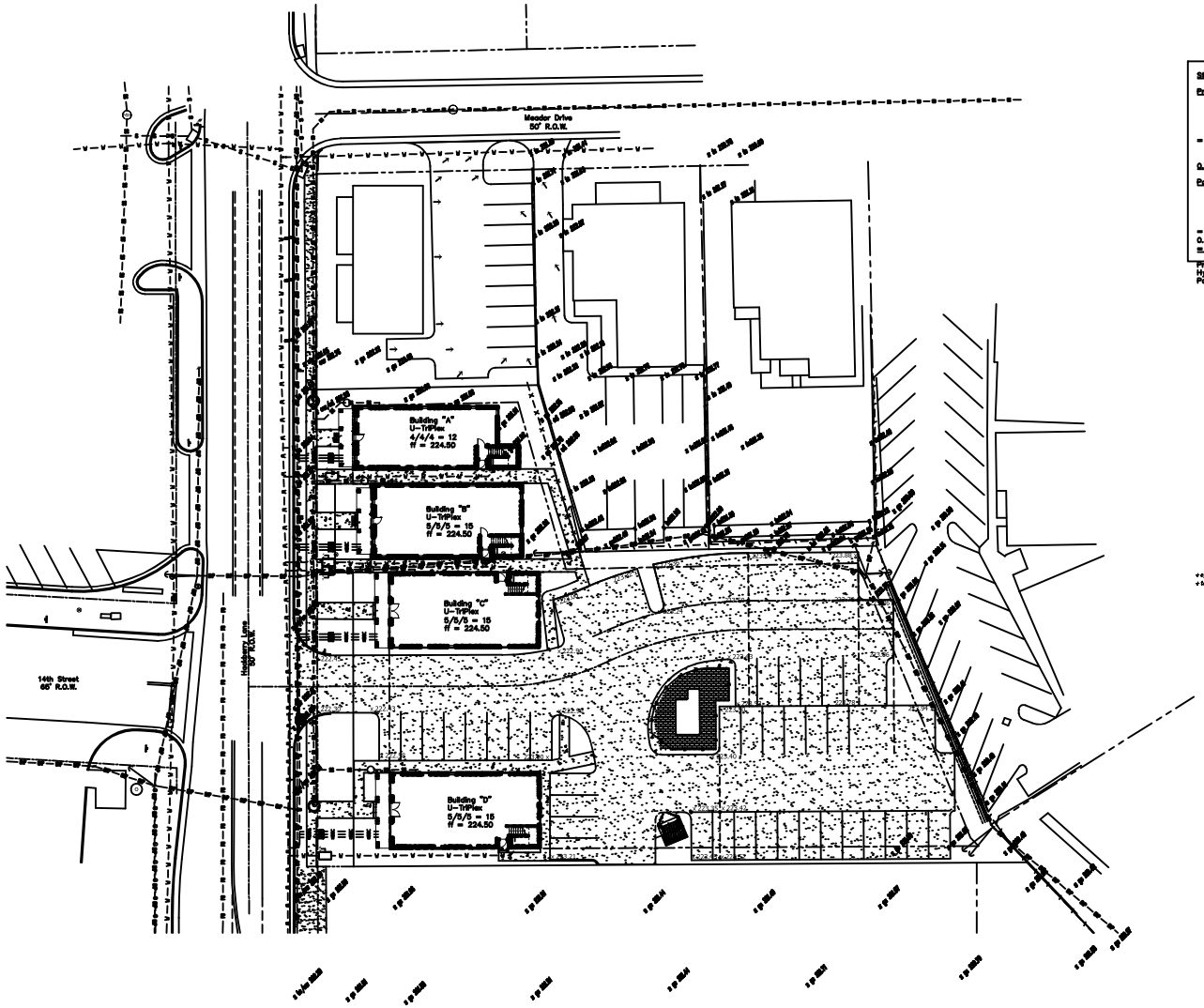
#	DESCRIPTION	DATE

SHEET TITLE: LEVEL 1 PLANS

SHEET NUMBER: A101

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LDP Site Grading Plan
Cloverdale at Hackberry
A Resurvey of Lot 43 Cloverdale & Unplatted Land
Tuscaloosa County, Alabama



Storm Drainage

Pre-Development

Total Contributing Drainage Area = 0.99 Acres
Impervious Area = 0.77 Acres

Weighted "C" Value Calculation 0.77/0.99 x 0.90 = 0.70
0.22/0.99 x 0.30 = 0.07
Weighted "C" Value = 0.77

Post-Development

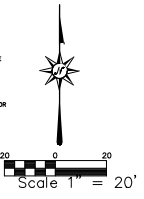
Total Contributing Drainage Area = 0.99 Acres
Impervious Area = 0.80 Acres

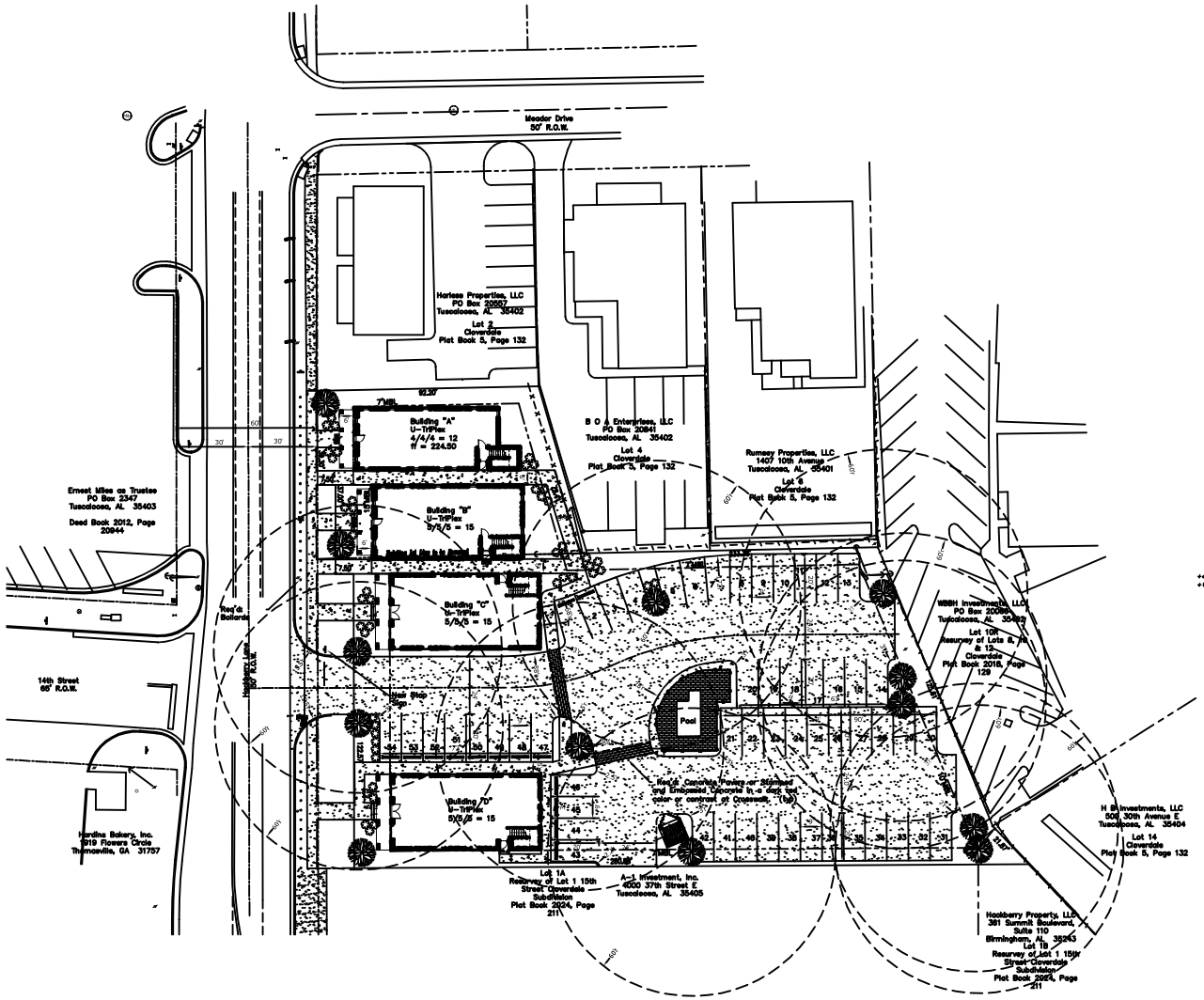
Weighted "C" Value Calculation 0.80/0.99 x 0.90 = 0.72
0.20/0.99 x 0.30 = 0.06
Weighted "C" Value = 0.78

Pre- and Post- Development Hydrographs, Pond Routing Hydrographs, and Pond Report Details are Appended Hereto as a Supplement

LEGEND

○	IRON PIN FOUND(SIZE)	(s)	SURVEY DIMENSION
●	1/2" IRON PIN SET	(p)	PLAT DIMENSION
	CONCRETE	(d)	DEED DIMENSION
	UTILITY POLE	DB	DEED BOOK
	UTILITY POLE W/ GUY	PB	PLAT BOOK
	LIGHT POLE	Pg	PAGE
	BREAK LINE	ROW	RIGHT-OF-WAY
	CONCRETE MONUMENT FOUND	MBL	MINIMUM BLDG LINE
	WOODEN FENCE		CHAIN LINK FENCE
	OTHER FENCE	△	POINT NOT MONUMENTED
+xg100.00	EXISTING GRADE	FF	FINISH FLOOR
+tc100.00	EXISTING TOP OF CURB	FPF	FINISH PORCH FLOOR
	SANITARY SEWER MANHOLE	FP	FINISH PAVING
	WATER METER	FG	FINISH GRADE
	OVERHEAD POWER	FS	FINISH SURFACE
	EXISTING SANITARY SEWER		GAS METER
	WATER VALVE		POWER BOX
	FIRE HYDRANT		FDC
	PHONE PEDESTAL		
	LIGHT POLE		
	TELEPHONE LINE		
	UNDERGROUND POWER		





LDP Site & Landscaping Plan
Cloverdale at Hackberry
A Resurvey of Lot 43 Cloverdale & Unplatted Land
Tuscaloosa County, Alabama

PARTLOW GEOLOGICAL

Appendix B

All Laboratory Results

Waypoint ANALYTICAL

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9/19/2025

Partlow Geological, LLC
Ms. Kristin Fair
2314 University Blvd.
Tuscaloosa, AL, 35401

Ref: Analytical Testing
Lab Report Number: 25-252-0044
Client Project Description: 201401-Adcox
Project #201401

Dear Ms. Kristin Fair:
Waypoint Analytical, LLC. received sample(s) on 9/9/2025 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Andrea R Brownfield
Project manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC. (Memphis), Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	11/04/2025
Arkansas	State Program	88-00650	02/06/2026
California	State Program	2904	06/30/2026
Florida	State Program - NELAP	E871157	06/30/2026
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2025
Illinois	State Program - NELAP	200078	10/31/2026
Kentucky	State Program	KY90047	12/31/2025
Kentucky	State Program	80215	06/30/2026
Kentucky	State Program	KY90047	12/31/2025
Louisiana	State Program - NELAP	LA037	12/31/2025
Louisiana	State Program - NELAP	04015	06/30/2026
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2026
North Carolina	State Program	415	12/31/2025
Oklahoma	State Program - NELAP	9311	12/31/2025
Pennsylvania	State Program - NELAP	68-03195	05/31/2026
South Carolina	State Program	84002	06/30/2025
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2025
Virginia	State Program	00106	06/30/2026
Virginia	State Program - NELAP	460181	09/14/2026

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Sample Summary Table

Report Number: **25-252-0044**

Client Project Description: **201401-Adcox**
Project #201401

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
97843	6.11 Adcox 0-5ft	Solids	09/04/2025 14:25	09/09/2025
97844	6.12 Adcox 0-5ft	Solids	09/04/2025 15:00	09/09/2025

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Client: Partlow Geological, LLC
Project: 201401-Adcox
Lab Report Number: 25-252-0044
Date: 9/19/2025

CASE NARRATIVE

Metals Analysis Method 6010D
Sample 99063 (SB-2 (0-2))
Analyte: Barium
QC Batch No: L839779/L839293
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99063 (SB-2 (0-2))
Analyte: Chromium
QC Batch No: L839779/L839293
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99063 (SB-2 (0-2))
Analyte: Lead
QC Batch No: L839779/L839293
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99063 (SB-2 (0-2))
Analyte: Lead
QC Batch No: L840019/L839293
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 99063 (SB-2 (0-2))
Analyte: Selenium
QC Batch No: L840216/L839293
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Volatile Organic Compounds - GC/MS Method 8260B
Sample 97843 (6.11 Adcox 0-5ft)
QC Batch No: L839767/L840304
carryover

Sample 97844 (6.12 Adcox 0-5ft)
QC Batch No: L839767/L840304
carryover

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Ms. Kristin Fair
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Tuscaloosa , AL 35401

Project 201401-Adcox

Information : Project #201401

Report Date : 09/19/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **6.11 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 14:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**8.41**	mg/Kg	0.500	1	09/16/25 21:56	BXC	6010D
Barium	**79.7**	mg/Kg	0.500	1	09/16/25 21:56	BXC	6010D
Cadmium	**0.324**	mg/Kg	0.100	1	09/16/25 21:56	BXC	6010D
Chromium	**20.3**	mg/Kg	0.250	1	09/16/25 21:56	BXC	6010D
Lead	**25.6**	mg/Kg	0.300	1	09/18/25 14:13	SML	6010D
Mercury	<0.192	mg/Kg	0.192	1	09/17/25 12:05	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	09/18/25 14:13	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	09/16/25 21:56	BXC	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox

Information : Project #201401

Report Date : 09/19/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **6.11 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 14:25**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318
Acetonitrile	<0.100	mg/Kg	0.100	1	09/18/25 12:08	AAW	L840318
Acrolein	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318
Acrylonitrile	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318
Benzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Bromobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Bromochloromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Bromodichloromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Bromoform	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Bromomethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318
n-Butylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Carbon Disulfide	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Chlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Chloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
Chloroform	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Chloromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox

Information : Project #201401

Report Date : 09/19/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **6.11 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 14:25**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Dibromomethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	09/18/25 12:08		L840318
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Ethyl Acetate	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox

Information : Project #201401

Report Date : 09/19/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **6.11 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 14:25**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
2-Hexanone	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
Iodomethane	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
Isopropylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
Methylene Chloride	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
m,p-Xylene	<0.004	mg/Kg	0.004	1	09/18/25 12:08	AAW	L840318
Naphthalene	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
o-Xylene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
n-Propylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Styrene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Tetrachloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Toluene	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	09/18/25 12:08	AAW	L840318
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox
Information : Project #201401

Report Date : 09/19/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **6.11 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 14:25**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Vinyl Acetate	<0.040	mg/Kg	0.040	1	09/18/25 12:08	AAW	L840318
Vinyl Chloride	<0.002	mg/Kg	0.002	1	09/18/25 12:08	AAW	L840318
Xylene (Total)	<0.002	mg/Kg	0.002	1	09/18/25 12:08		L840318
Surrogate: 4-Bromofluorobenzene	75.8		Limits: 60-130%	1	09/18/25 12:08	AAW	L840318
Surrogate: 1,2-Dichloroethane - d4	70.7		Limits: 60-132%	1	09/18/25 12:08	AAW	L840318
Surrogate: Toluene-d8	81.5		Limits: 70-130%	1	09/18/25 12:08	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox

Information : Project #201401

Report Date : 09/19/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **6.12 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 15:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**6.11**	mg/Kg	0.500	1	09/16/25 22:02	BXC	6010D
Barium	**58.5**	mg/Kg	0.500	1	09/16/25 22:02	BXC	6010D
Cadmium	**0.262**	mg/Kg	0.100	1	09/16/25 22:02	BXC	6010D
Chromium	**16.0**	mg/Kg	0.250	1	09/16/25 22:02	BXC	6010D
Lead	**40.6**	mg/Kg	0.300	1	09/18/25 14:29	SML	6010D
Mercury	<0.192	mg/Kg	0.192	1	09/17/25 12:10	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	09/18/25 14:29	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	09/16/25 22:02	BXC	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **6.12 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318
Acetonitrile	<0.100	mg/Kg	0.100	1	09/18/25 12:49	AAW	L840318
Acrolein	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318
Acrylonitrile	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318
Benzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Bromobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Bromochloromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Bromodichloromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Bromoform	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Bromomethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318
n-Butylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Carbon Disulfide	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Chlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Chloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
Chloroform	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Chloromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **6.12 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Dibromomethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	09/18/25 12:49		L840318
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Ethyl Acetate	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox

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Report Date : 09/19/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **6.12 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
2-Hexanone	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
Iodomethane	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
Isopropylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
Methylene Chloride	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
m,p-Xylene	<0.004	mg/Kg	0.004	1	09/18/25 12:49	AAW	L840318
Naphthalene	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
o-Xylene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
n-Propylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Styrene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Tetrachloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Toluene	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	09/18/25 12:49	AAW	L840318
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 201401-Adcox
Information : Project #201401

Report Date : 09/19/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0044**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **6.12 Adcox 0-5ft**

Matrix: **Solids**
Sampled: **9/4/2025 15:00**

Analytical Method: 8260B **Prep Batch(es):** **L840304** 09/18/25 07:42
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Vinyl Acetate	<0.040	mg/Kg	0.040	1	09/18/25 12:49	AAW	L840318
Vinyl Chloride	<0.002	mg/Kg	0.002	1	09/18/25 12:49	AAW	L840318
Xylene (Total)	<0.002	mg/Kg	0.002	1	09/18/25 12:49		L840318
Surrogate: 4-Bromofluorobenzene	77.7		Limits: 60-130%	1	09/18/25 12:49	AAW	L840318
Surrogate: 1,2-Dichloroethane - d4	76.1		Limits: 60-132%	1	09/18/25 12:49	AAW	L840318
Surrogate: Toluene-d8	82.6		Limits: 70-130%	1	09/18/25 12:49	AAW	L840318

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L839293
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L839779,L840019,L840348
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L839293 Matrix: SOL
Associated Lab Samples: 97843, 97844

Parameter	Units	Blank Result	MQL	Analyzed
Arsenic	mg/Kg	< 0.500	0.500	09/16/25 20:56
Barium	mg/Kg	< 0.500	0.500	09/16/25 20:56
Cadmium	mg/Kg	< 0.100	0.100	09/16/25 20:56
Chromium	mg/Kg	< 0.250	0.250	09/16/25 20:56
Lead	mg/Kg	< 0.300	0.300	09/16/25 20:56
Selenium	mg/Kg	< 0.500	0.500	09/18/25 04:22
Silver	mg/Kg	< 0.250	0.250	09/16/25 20:56

Laboratory Control Sample LCS-L839293

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	4.92	98.0	80-120
Barium	mg/Kg	50.0	50.0	100	80-120
Cadmium	mg/Kg	5.00	5.03	101	80-120
Chromium	mg/Kg	50.0	54.3	109	80-120
Lead	mg/Kg	5.00	5.42	108	80-120
Selenium	mg/Kg	5.00	5.42	108	80-120
Silver	mg/Kg	5.00	5.21	104	80-120

Matrix Spike & Matrix Spike Duplicate V 99063-MS-L839293 V 99063-MSD-L839293

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	2.53	4.46	4.49	6.31	6.81	85.0	95.0	75-125	7.6	20.0
Barium	mg/Kg	43.2	44.6	44.9	117	81.4	165*	85.0	75-125	35.8*	20.0
Cadmium	mg/Kg	0.938	4.46	4.49	4.82	4.94	87.0	89.0	75-125	2.4	20.0
Chromium	mg/Kg	68.3	44.6	44.9	94.3	96.5	58.0*	63.0*	75-125	2.3	20.0

* QC Fail

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L839293
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L839779,L840019,L840348
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate V 99063-MS-L839293 V 99063-MSD-L839293

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	10.0	4.46	4.49	18.1	16.3	182*	140*	75-125	10.4	20.0
Selenium	mg/Kg	< 2.50	4.46	4.49	< 2.50	< 2.50	46.0*	46.0*	75-125	0.9	20.0
Silver	mg/Kg	< 0.250	4.46	4.49	4.21	4.28	94.0	95.0	75-125	1.6	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L839675
QC Prep Batch Method: 7471B
QC Analytical Batch(es): L839881
Analysis Method: 7471B
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L839675 Matrix: SOL
Associated Lab Samples: 97843, 97844

Parameter	Units	Blank Result	MQL	Analyzed
Mercury	mg/Kg	< 0.192	0.192	09/17/25 12:01

Laboratory Control Sample LCS-L839675

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.433	108	80-120

Matrix Spike & Matrix Spike Duplicate G 69954-MS-L839675 G 69954-MSD-L839675

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	< 0.171	0.355	0.399	0.408	0.438	100	96.0	80-120	7.0	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L840304 Matrix: SOL
Associated Lab Samples: 97843, 97844

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.040	0.040	09/18/25 11:06		
Acetonitrile	mg/Kg	<0.100	0.100	09/18/25 11:06		
Acrolein	mg/Kg	<0.040	0.040	09/18/25 11:06		
Acrylonitrile	mg/Kg	<0.040	0.040	09/18/25 11:06		
Benzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Bromobenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Bromochloromethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
Bromodichloromethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
Bromoform	mg/Kg	<0.002	0.002	09/18/25 11:06		
Bromomethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
2-Butanone (MEK)	mg/Kg	<0.040	0.040	09/18/25 11:06		
n-Butylbenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
sec-Butyl benzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
tert-Butyl benzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Carbon Disulfide	mg/Kg	<0.002	0.002	09/18/25 11:06		
Carbon Tetrachloride	mg/Kg	<0.002	0.002	09/18/25 11:06		
Chlorobenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Chlorodibromomethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
Chloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.010	09/18/25 11:06		
Chloroform	mg/Kg	<0.002	0.002	09/18/25 11:06		
Chloromethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
2-Chlorotoluene	mg/Kg	<0.002	0.002	09/18/25 11:06		
4-Chlorotoluene	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.010	09/18/25 11:06		
1,2-Dibromoethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
Dibromomethane	mg/Kg	<0.002	0.002	09/18/25 11:06		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L840304 Matrix: SOL
Associated Lab Samples: 97843, 97844

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,3-Dichlorobenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,4-Dichlorobenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Dichlorodifluoromethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,1-Dichloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,2-Dichloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,1-Dichloroethene	mg/Kg	<0.002	0.002	09/18/25 11:06		
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.002	09/18/25 11:06		
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,2-Dichloropropane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,3-Dichloropropane	mg/Kg	<0.002	0.002	09/18/25 11:06		
2,2-Dichloropropane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,1-Dichloropropene	mg/Kg	<0.002	0.002	09/18/25 11:06		
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.002	09/18/25 11:06		
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Ethyl Acetate	mg/Kg	<0.040	0.040	09/18/25 11:06		
Ethylbenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Hexachlorobutadiene	mg/Kg	<0.002	0.002	09/18/25 11:06		
2-Hexanone	mg/Kg	<0.010	0.010	09/18/25 11:06		
Iodomethane	mg/Kg	<0.010	0.010	09/18/25 11:06		
Isopropylbenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
4-Isopropyl toluene	mg/Kg	<0.002	0.002	09/18/25 11:06		
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.010	09/18/25 11:06		
Methylene Chloride	mg/Kg	<0.040	0.040	09/18/25 11:06		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.002	09/18/25 11:06		
m,p-Xylene	mg/Kg	<0.004	0.004	09/18/25 11:06		
Naphthalene	mg/Kg	<0.010	0.010	09/18/25 11:06		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L840304 Matrix: SOL
Associated Lab Samples: 97843, 97844

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	mg/Kg	<0.002	0.002	09/18/25 11:06		
n-Propylbenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Styrene	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
Tetrachloroethene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Toluene	mg/Kg	<0.010	0.010	09/18/25 11:06		
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.010	09/18/25 11:06		
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.010	09/18/25 11:06		
1,1,1-Trichloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,1,2-Trichloroethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
Trichloroethene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Trichlorofluoromethane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,2,3-Trichloropropane	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.002	09/18/25 11:06		
Vinyl Acetate	mg/Kg	<0.040	0.040	09/18/25 11:06		
Vinyl Chloride	mg/Kg	<0.002	0.002	09/18/25 11:06		
4-Bromofluorobenzene (S)				09/18/25 11:06	84.7	60-130
1,2-Dichloroethane - d4 (S)				09/18/25 11:06	80.5	60-132
Toluene-d8 (S)				09/18/25 11:06	86.4	70-130

Laboratory Control Sample LCS-L840304

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetone	mg/Kg	0.200	0.247	124	40-160
Acetonitrile	mg/Kg	2.00	2.39	120	40-160

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0044

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L840304

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acrolein	mg/Kg	0.200	0.238	119	40-160
Acrylonitrile	mg/Kg	0.200	0.154	77.0	40-160
Benzene	mg/Kg	0.200	0.188	94.0	70-130
Bromobenzene	mg/Kg	0.200	0.201	101	75-125
Bromochloromethane	mg/Kg	0.200	0.183	91.5	65-135
Bromodichloromethane	mg/Kg	0.200	0.190	95.0	75-125
Bromoform	mg/Kg	0.200	0.183	91.5	70-130
Bromomethane	mg/Kg	0.200	0.191	95.5	40-160
2-Butanone (MEK)	mg/Kg	0.200	0.229	115	40-160
n-Butylbenzene	mg/Kg	0.200	0.193	96.5	70-130
sec-Butyl benzene	mg/Kg	0.200	0.188	94.0	70-130
tert-Butyl benzene	mg/Kg	0.200	0.184	92.0	70-130
Carbon Disulfide	mg/Kg	0.200	0.232	116	40-160
Carbon Tetrachloride	mg/Kg	0.200	0.163	81.5	65-135
Chlorobenzene	mg/Kg	0.200	0.192	96.0	80-120
Chlorodibromomethane	mg/Kg	0.200	0.191	95.5	60-140
Chloroethane	mg/Kg	0.200	0.231	116	60-140
2-Chloroethylvinyl Ether	mg/Kg	0.200	0.143	71.5	40-160
Chloroform	mg/Kg	0.200	0.182	91.0	80-120
Chloromethane	mg/Kg	0.200	0.208	104	40-160
2-Chlorotoluene	mg/Kg	0.200	0.193	96.5	75-125
4-Chlorotoluene	mg/Kg	0.200	0.191	95.5	75-125
1,2-Dibromo-3-Chloropropane	mg/Kg	0.200	0.196	98.0	50-150
1,2-Dibromoethane	mg/Kg	0.200	0.190	95.0	70-130
Dibromomethane	mg/Kg	0.200	0.172	86.0	75-125
1,2-Dichlorobenzene	mg/Kg	0.200	0.198	99.0	70-130
1,3-Dichlorobenzene	mg/Kg	0.200	0.199	99.5	75-125

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0044

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L840304

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,4-Dichlorobenzene	mg/Kg	0.200	0.199	99.5	75-125
Dichlorodifluoromethane	mg/Kg	0.200	0.128	64.0	40-160
1,1-Dichloroethane	mg/Kg	0.200	0.180	90.0	70-130
1,2-Dichloroethane	mg/Kg	0.200	0.182	91.0	70-130
1,1-Dichloroethene	mg/Kg	0.200	0.161	80.5	80-120
cis-1,2-Dichloroethene	mg/Kg	0.200	0.185	92.5	70-130
trans-1,2-Dichloroethene	mg/Kg	0.200	0.177	88.5	60-140
1,2-Dichloropropane	mg/Kg	0.200	0.195	97.5	80-120
1,3-Dichloropropane	mg/Kg	0.200	0.185	92.5	75-125
2,2-Dichloropropane	mg/Kg	0.200	0.166	83.0	70-130
1,1-Dichloropropene	mg/Kg	0.200	0.189	94.5	75-125
cis-1,3-Dichloropropene	mg/Kg	0.200	0.200	100	70-130
trans-1,3-Dichloropropene	mg/Kg	0.200	0.203	102	55-145
Ethyl Acetate	mg/Kg	0.200	0.302	151	40-160
Ethylbenzene	mg/Kg	0.200	0.193	96.5	80-120
Hexachlorobutadiene	mg/Kg	0.200	0.193	96.5	50-150
2-Hexanone	mg/Kg	0.200	0.214	107	50-150
Iodomethane	mg/Kg	0.200	0.098	49.0	40-160
Isopropylbenzene	mg/Kg	0.200	0.179	89.5	75-125
4-Isopropyl toluene	mg/Kg	0.200	0.184	92.0	75-125
4-Methyl-2-Pentanone	mg/Kg	0.200	0.213	107	60-140
Methylene Chloride	mg/Kg	0.200	0.167	83.5	55-145
Methyl tert-butyl ether (MTBE)	mg/Kg	0.200	0.216	108	65-135
m,p-Xylene	mg/Kg	0.400	0.380	95.0	75-125
Naphthalene	mg/Kg	0.200	0.198	99.0	55-145
o-Xylene	mg/Kg	0.200	0.191	95.5	70-130
n-Propylbenzene	mg/Kg	0.200	0.190	95.0	70-130

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0044

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L840304

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Styrene	mg/Kg	0.200	0.191	95.5	65-135
1,1,1,2-Tetrachloroethane	mg/Kg	0.200	0.185	92.5	70-130
1,1,2,2-Tetrachloroethane	mg/Kg	0.200	0.231	116	65-135
Tetrachloroethene	mg/Kg	0.200	0.168	84.0	45-155
Toluene	mg/Kg	0.200	0.197	98.5	80-120
1,2,3-Trichlorobenzene	mg/Kg	0.200	0.186	93.0	60-140
1,2,4-Trichlorobenzene	mg/Kg	0.200	0.195	97.5	65-135
1,1,1-Trichloroethane	mg/Kg	0.200	0.170	85.0	65-135
1,1,2-Trichloroethane	mg/Kg	0.200	0.197	98.5	75-125
Trichloroethene	mg/Kg	0.200	0.177	88.5	70-130
Trichlorofluoromethane	mg/Kg	0.200	0.204	102	60-140
1,2,3-Trichloropropane	mg/Kg	0.200	0.200	100	75-125
1,2,4-Trimethylbenzene	mg/Kg	0.200	0.187	93.5	75-125
1,3,5-Trimethylbenzene	mg/Kg	0.200	0.188	94.0	75-125
Vinyl Acetate	mg/Kg	0.200	0.204	102	40-160
Vinyl Chloride	mg/Kg	0.200	0.207	104	80-120
4-Bromofluorobenzene (S)				76.5	60-130
1,2-Dichloroethane - d4 (S)				75.0	60-132
Toluene-d8 (S)				79.5	70-130

Matrix Spike & Matrix Spike Duplicate L 97844-MS-L840304 L 97844-MSD-L840304

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetone	mg/Kg	<0.040	0.198	0.183	0.144	0.120	72.7	65.5	40-160	18.1	30
Acetonitrile	mg/Kg	<0.100	1.98	1.83	1.72	1.28	86.8	69.9	40-160	29.3	30
Acrolein	mg/Kg	<0.040	0.198	0.183	<0.040	<0.040	0.0*	17.8*	40-160	103*	30

* QC Fail

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0044

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 97844-MS-L840304 L 97844-MSD-L840304

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acrylonitrile	mg/Kg	<0.040	0.198	0.183	0.121	0.094	61.1	51.8	40-160	24.1	30
Benzene	mg/Kg	<0.002	0.198	0.183	0.174	0.127	87.8	69.3*	70-130	31.2*	30
Bromobenzene	mg/Kg	<0.002	0.198	0.183	0.146	0.076	73.7*	41.6*	75-125	62.7*	30
Bromochloromethane	mg/Kg	<0.002	0.198	0.183	0.160	0.123	80.8	67.2	65-135	26.1	30
Bromodichloromethane	mg/Kg	<0.002	0.198	0.183	0.156	0.115	78.7	62.8*	75-125	30.2*	30
Bromoform	mg/Kg	<0.002	0.198	0.183	0.125	0.080	63.1*	43.9*	70-130	43.3*	30
Bromomethane	mg/Kg	<0.002	0.198	0.183	0.140	0.107	70.7	58.4	40-160	26.7	30
2-Butanone (MEK)	mg/Kg	<0.040	0.198	0.183	0.159	0.123	80.3	67.2	40-160	25.5	30
n-Butylbenzene	mg/Kg	<0.002	0.198	0.183	0.123	0.046	62.1*	25.4*	70-130	90.2*	30
sec-Butyl benzene	mg/Kg	<0.002	0.198	0.183	0.133	0.050	67.1*	27.7*	70-130	89.6*	30
tert-Butyl benzene	mg/Kg	<0.002	0.198	0.183	0.139	0.053	70.2	29.2*	70-130	88.8*	30
Carbon Disulfide	mg/Kg	<0.002	0.198	0.183	0.179	0.133	90.4	72.6	40-160	29.4	30
Carbon Tetrachloride	mg/Kg	<0.002	0.198	0.183	0.137	0.089	69.1	48.9*	65-135	41.9*	30
Chlorobenzene	mg/Kg	<0.002	0.198	0.183	0.158	0.088	79.7*	48.5*	80-120	55.9*	30
Chlorodibromomethane	mg/Kg	<0.002	0.198	0.183	0.141	0.098	71.2	53.8*	60-140	35.3*	30
Chloroethane	mg/Kg	<0.002	0.198	0.183	0.204	0.157	103	85.7	60-140	26.0	30
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.198	0.183	0.139	0.081	70.2	44.6	40-160	51.9*	30
Chloroform	mg/Kg	<0.002	0.198	0.183	0.165	0.126	83.3	68.8*	80-120	26.8	30
Chloromethane	mg/Kg	<0.002	0.198	0.183	0.127	0.109	64.1	59.5	40-160	15.2	30
2-Chlorotoluene	mg/Kg	<0.002	0.198	0.183	0.144	0.062	72.7*	34.2*	75-125	78.7*	30
4-Chlorotoluene	mg/Kg	<0.002	0.198	0.183	0.139	0.060	70.2*	33.1*	75-125	78.4*	30
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.198	0.183	0.133	0.075	67.1	41.2*	50-150	55.2*	30
1,2-Dibromoethane	mg/Kg	<0.002	0.198	0.183	0.147	0.107	74.2	58.4*	70-130	31.4*	30
Dibromomethane	mg/Kg	<0.002	0.198	0.183	0.143	0.109	72.2*	59.5*	75-125	26.9	30
1,2-Dichlorobenzene	mg/Kg	<0.002	0.198	0.183	0.136	0.056	68.6*	30.7*	70-130	82.8*	30
1,3-Dichlorobenzene	mg/Kg	<0.002	0.198	0.183	0.138	0.056	69.6*	30.9*	75-125	83.5*	30

* QC Fail

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0044

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 97844-MS-L840304 L 97844-MSD-L840304

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,4-Dichlorobenzene	mg/Kg	<0.002	0.198	0.183	0.136	0.057	68.6*	31.2*	75-125	81.7*	30
Dichlorodifluoromethane	mg/Kg	<0.002	0.198	0.183	0.046	0.031	23.2*	17.0*	40-160	38.3*	30
1,1-Dichloroethane	mg/Kg	<0.002	0.198	0.183	0.163	0.128	82.3	69.9*	70-130	24.0	30
1,2-Dichloroethane	mg/Kg	<0.002	0.198	0.183	0.151	0.118	76.2	64.4*	70-130	24.5	30
1,1-Dichloroethene	mg/Kg	<0.002	0.198	0.183	0.130	0.094	65.6*	51.6*	80-120	31.5*	30
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.198	0.183	0.167	0.128	84.3	69.9*	70-130	26.4	30
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.198	0.183	0.153	0.115	77.2	62.8	60-140	28.3	30
1,2-Dichloropropane	mg/Kg	<0.002	0.198	0.183	0.177	0.131	89.3	71.5*	80-120	29.8	30
1,3-Dichloropropane	mg/Kg	<0.002	0.198	0.183	0.146	0.101	73.7*	55.1*	75-125	36.4*	30
2,2-Dichloropropane	mg/Kg	<0.002	0.198	0.183	0.170	0.094	85.8	51.8*	70-130	56.7*	30
1,1-Dichloropropene	mg/Kg	<0.002	0.198	0.183	0.170	0.110	85.8	60.1*	75-125	42.8*	30
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.198	0.183	0.161	0.109	81.3	59.5*	70-130	38.5*	30
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.198	0.183	0.155	0.102	78.2	55.7	55-145	41.2*	30
Ethyl Acetate	mg/Kg	<0.040	0.198	0.183	0.067	0.041	34.2*	22.6*	40-160	48.4*	30
Ethylbenzene	mg/Kg	<0.002	0.198	0.183	0.164	0.083	82.8	45.6*	80-120	64.9*	30
Hexachlorobutadiene	mg/Kg	<0.002	0.198	0.183	0.105	0.040	53.0	22.1*	50-150	88.6*	30
2-Hexanone	mg/Kg	<0.010	0.198	0.183	0.112	0.077	56.5	42.4*	50-150	36.2*	30
Iodomethane	mg/Kg	<0.010	0.198	0.183	0.059	0.038	30.2*	20.9*	40-160	43.7*	30
Isopropylbenzene	mg/Kg	<0.002	0.198	0.183	0.144	0.060	72.7*	32.8*	75-125	82.0*	30
4-Isopropyl toluene	mg/Kg	<0.002	0.198	0.183	0.124	0.048	62.6*	26.5*	75-125	87.3*	30
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.198	0.183	0.145	0.101	73.2	55.1*	60-140	35.7*	30
Methylene Chloride	mg/Kg	<0.040	0.198	0.183	0.146	0.114	73.7	62.2	55-145	24.6	30
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.198	0.183	0.185	0.138	93.4	75.4	65-135	29.1	30
m,p-Xylene	mg/Kg	<0.004	0.397	0.366	0.316	0.157	79.5	42.8*	75-125	67.2*	30
Naphthalene	mg/Kg	<0.010	0.198	0.183	0.114	0.043	57.5	23.9*	55-145	88.7*	30
o-Xylene	mg/Kg	<0.002	0.198	0.183	0.158	0.080	79.7	44.2*	70-130	64.5*	30

* QC Fail

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0044**

QC Prep: L840304
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L840318
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 97844-MS-L840304 L 97844-MSD-L840304

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
n-Propylbenzene	mg/Kg	<0.002	0.198	0.183	0.142	0.056	71.7	30.7*	70-130	86.4*	30
Styrene	mg/Kg	<0.002	0.198	0.183	0.146	0.076	73.7	41.8*	65-135	62.3*	30
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.198	0.183	0.148	0.088	74.7	48.4*	70-130	50.1*	30
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.198	0.183	0.180	0.111	90.9	60.6*	65-135	47.4*	30
Tetrachloroethene	mg/Kg	<0.002	0.198	0.183	0.144	0.068	72.7	37.5*	60-155	70.6*	30
Toluene	mg/Kg	<0.010	0.198	0.183	0.165	0.106	83.3	57.9*	80-120	43.5*	30
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.198	0.183	0.092	0.034	46.8*	18.8*	60-140	91.5*	30
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.198	0.183	0.099	0.038	50.4*	20.7*	65-135	89.6*	30
1,1,1-Trichloroethane	mg/Kg	<0.002	0.198	0.183	0.155	0.106	78.2	57.9*	65-135	37.5*	30
1,1,2-Trichloroethane	mg/Kg	<0.002	0.198	0.183	0.156	0.114	78.7	62.2*	75-125	31.1*	30
Trichloroethene	mg/Kg	<0.002	0.198	0.183	0.158	0.103	79.7	56.2*	70-130	42.1*	30
Trichlorofluoromethane	mg/Kg	<0.002	0.198	0.183	0.176	0.120	88.8	65.5	60-140	37.8*	30
1,2,3-Trichloropropane	mg/Kg	<0.002	0.198	0.183	0.150	0.101	75.7	55.1*	75-125	39.0*	30
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.198	0.183	0.131	0.055	66.1*	30.4*	75-125	80.5*	30
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.198	0.183	0.136	0.055	68.6*	30.5*	75-125	83.4*	30
Vinyl Acetate	mg/Kg	<0.040	0.198	0.183	0.176	0.135	88.8	73.7	40-160	26.3	30
Vinyl Chloride	mg/Kg	<0.002	0.198	0.183	0.155	0.121	78.2*	66.1*	80-120	24.6	30
4-Bromofluorobenzene (S)							69.9	80.3	60-130		
1,2-Dichloroethane - d4 (S)							70.4	80.8	60-132		
Toluene-d8 (S)							74.4	84.2	70-130		

* QC Fail

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Shipment Receipt Form

Customer Number: **32974**
Customer Name: **Partlow Geological, LLC**
Report Number: **25-252-0044**

Shipping Method

○ Fed Ex	○ US Postal	○ Lab	○ Other :	
◉ UPS	○ Client	○ Courier	Thermometer ID:	TI202

Shipping container/cooler uncompromised?	◉ Yes	○ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	◉ Not Present
Custody seals intact on sample bottles?	○ Yes	○ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	○ No	
COC agrees with sample label(s)?	◉ Yes	○ No	
COC properly completed	◉ Yes	○ No	
Samples in proper containers?	◉ Yes	○ No	
Sample containers intact?	◉ Yes	○ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	○ No	
All samples received within holding time?	◉ Yes	○ No	
Cooler temperature in compliance?	◉ Yes	○ No	○ Not Present
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	○ No	
Water - Sample containers properly preserved	○ Yes	○ No	◉ N/A
Water - Sulfuric containers verified pH <2	○ Yes	○ No	◉ N/A
Water - VOA vials free of headspace	○ Yes	○ No	◉ N/A
Trip Blanks received with VOAs	○ Yes	○ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	◉ No

Comments:

Signature: Allison B Brown Date & Time: 09/09/2025 11:31:28

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
Partlow Geological	Kristin Fair	Jackson Partlow Partlow Geological 205-292-5871	
Project Description	**Project/Site Location (City/State)**	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	**Method of Sl** ☐ Fed Ex ☐ Courier Other
201401-Adcox	1405 Hackberry Ln Tuscaloosa, AL 35401		25-252-0044 32974 09-09-2025 11:30:53 Partlow Geological, LLC 201401-Adcox
Project Number	**Project Manager Phone #**	**Project Manager Email**	**Purchase Order Number** / **Site/Facility ID #**
201401	(205) 765-9397	kristin@partlowgeological.com	

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Unless noted, all containers per Table II of 40 CFR Part 136.

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	RCRA 8	VOC								Comments/Notes
			Required Analysis / Preservative												
9/4/25	2:45Pm	BH-6.11 Adcox 0-5ft	2	S	G	✔	✔								
9/4/25	3Pm	BH-6.12 Adcox 0-5ft	2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								
			2	S	G	✔	✔								

For Laboratory Use Only

Ice	Custody Seals	Lab Comments
(Y) N	Y (N)	

Blank/Cooler Temp: 2.1°C

Sampled by (Name – Print): Kristin Fair

Client Remarks/Comments:

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	9/4/25 4:18Pm		9/4/25 4:18pm
	9/4/25 10:30am		9/5/25 1030
	9/8/25 1730		9/9/25 1005

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8/26/2025

Partlow Geological, LLC
Mr. Jackson Partlow
2314 University Blvd.
Tuscaloosa, AL, 35401

Ref: Analytical Testing
Lab Report Number: 25-227-0013
Client Project Description: 202503 - Adcox 1405 HB
Project# 202503
Tuscaloosa, AL 35401

Dear Mr. Jackson Partlow:
Waypoint Analytical, LLC. received sample(s) on 8/15/2025 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Andrea R Brownfield
Project manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC. (Memphis), Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	11/04/2025
Arkansas	State Program	88-00650	02/06/2026
California	State Program	2904	06/30/2026
Florida	State Program - NELAP	E871157	06/30/2026
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2025
Illinois	State Program - NELAP	200078	10/31/2026
Kentucky	State Program	KY90047	12/31/2025
Kentucky	State Program	80215	06/30/2026
Kentucky	State Program	KY90047	12/31/2025
Louisiana	State Program - NELAP	LA037	12/31/2025
Louisiana	State Program - NELAP	04015	06/30/2026
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2026
North Carolina	State Program	415	12/31/2025
Oklahoma	State Program - NELAP	9311	12/31/2025
Pennsylvania	State Program - NELAP	68-03195	05/31/2026
South Carolina	State Program	84002	06/30/2025
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2025
Virginia	State Program	00106	06/30/2026
Virginia	State Program - NELAP	460181	09/14/2025

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Sample Summary Table

Report Number: **25-227-0013**

Client Project Description: **202503 - Adcox 1405 HB**
Project# 202503
Tuscaloosa, AL 35401

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
85810	BH-1.1	Solids	08/14/2025 08:25	08/15/2025
85811	BH-1.2	Solids	08/14/2025 08:40	08/15/2025
85812	BH-2.3	Solids	08/14/2025 09:20	08/15/2025
85813	BH-2.4	Solids	08/14/2025 09:50	08/15/2025
85814	BH-3.5	Solids	08/14/2025 10:15	08/15/2025
85815	BH-3.6	Solids	08/14/2025 10:40	08/15/2025
85816	BH-4.7	Solids	08/14/2025 12:10	08/15/2025
85817	BH-4.8	Solids	08/14/2025 12:30	08/15/2025
85818	BH-5.9	Solids	08/14/2025 12:50	08/15/2025
85819	BH-5.10	Solids	08/14/2025 13:20	08/15/2025

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Client: Partlow Geological, LLC
Project: 202503 - Adcox 1405 HB
Lab Report Number: 25-227-0013
Date: 8/26/2025

CASE NARRATIVE

Metals Analysis Method 6010D
Sample 85810 (BH-1.1)
Analyte: Silver
QC Batch No: L834793/L834344
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 85812 (BH-2.3)
Analyte: Silver
QC Batch No: L834793/L834344
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 85813 (BH-2.4)
Analyte: Silver
QC Batch No: L834793/L834344
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 85814 (BH-3.5)
Analyte: Silver
QC Batch No: L834793/L834344
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

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Partlow Geological, LLC
Mr. Jackson Partlow
2314 University Blvd.
Tuscaloosa , AL 35401

Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85810**
Sample ID : **BH-1.1**

Matrix: **Solids**
Sampled: **8/14/2025 08:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**4.01**	mg/Kg	0.500	1	08/21/25 02:10	SML	6010D
Barium	**24.2**	mg/Kg	0.500	1	08/21/25 02:10	SML	6010D
Cadmium	**0.174**	mg/Kg	0.100	1	08/21/25 02:10	SML	6010D
Chromium	**34.0**	mg/Kg	0.250	1	08/21/25 02:10	SML	6010D
Lead	**7.07**	mg/Kg	0.300	1	08/21/25 02:10	SML	6010D
Mercury	<0.171	mg/Kg	0.171	1	08/19/25 12:48	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:10	SML	6010D
Silver	<1.25	mg/Kg	1.25	5	08/22/25 03:55	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85810**
Sample ID : **BH-1.1**

Matrix: **Solids**
Sampled: **8/14/2025 08:25**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.082**	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629
Acetonitrile	<0.100	mg/Kg	0.100	1	08/19/25 16:47	AAW	L834629
Acrolein	<0.040	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629
Benzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Bromobenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Bromoform	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Bromomethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Chloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
Chloroform	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Chloromethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Mr. Jackson Partlow
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Tuscaloosa , AL 35401

Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85810**
Sample ID : **BH-1.1**

Matrix: **Solids**
Sampled: **8/14/2025 08:25**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Dibromomethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/19/25 16:47		L834629
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Mr. Jackson Partlow
2314 University Blvd.
Tuscaloosa , AL 35401

Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85810**
Sample ID : **BH-1.1**

Matrix: **Solids**
Sampled: **8/14/2025 08:25**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
2-Hexanone	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
Iodomethane	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/19/25 16:47	AAW	L834629
Naphthalene	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
o-Xylene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Styrene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Toluene	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/19/25 16:47	AAW	L834629
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85810**
Sample ID : **BH-1.1**

Matrix: **Solids**
Sampled: **8/14/2025 08:25**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/19/25 16:47	AAW	L834629
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/19/25 16:47	AAW	L834629
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/19/25 16:47		L834629
Surrogate: 4-Bromofluorobenzene	108		Limits: 60-130%	1	08/19/25 16:47	AAW	L834629
Surrogate: 1,2-Dichloroethane - d4	112		Limits: 60-132%	1	08/19/25 16:47	AAW	L834629
Surrogate: Toluene-d8	111		Limits: 70-130%	1	08/19/25 16:47	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85811**
Sample ID : **BH-1.2**

Matrix: **Solids**
Sampled: **8/14/2025 08:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**2.54**	mg/Kg	0.500	1	08/21/25 02:15	SML	6010D
Barium	**5.54**	mg/Kg	0.500	1	08/21/25 02:15	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 02:15	SML	6010D
Chromium	**15.1**	mg/Kg	0.250	1	08/21/25 02:15	SML	6010D
Lead	**4.59**	mg/Kg	0.300	1	08/21/25 02:15	SML	6010D
Mercury	<0.176	mg/Kg	0.176	1	08/19/25 12:52	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:15	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	08/21/25 02:15	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Information : Project# 202503
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Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85811**
Sample ID : **BH-1.2**

Matrix: **Solids**
Sampled: **8/14/2025 08:40**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629
Acetonitrile	<0.100	mg/Kg	0.100	1	08/19/25 17:19	AAW	L834629
Acrolein	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629
Benzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Bromobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Bromoform	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Bromomethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Chloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
Chloroform	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Chloromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85811**
Sample ID : **BH-1.2**

Matrix: **Solids**
Sampled: **8/14/2025 08:40**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Dibromomethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/19/25 17:19		L834629
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85811**
Sample ID : **BH-1.2**

Matrix: **Solids**
Sampled: **8/14/2025 08:40**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
2-Hexanone	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
Iodomethane	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/19/25 17:19	AAW	L834629
Naphthalene	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
o-Xylene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Styrene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Toluene	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/19/25 17:19	AAW	L834629
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85811**
Sample ID : **BH-1.2**

Matrix: **Solids**
Sampled: **8/14/2025 08:40**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/19/25 17:19	AAW	L834629
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/19/25 17:19	AAW	L834629
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/19/25 17:19		L834629
Surrogate: 4-Bromofluorobenzene	105		Limits: 60-130%	1	08/19/25 17:19	AAW	L834629
Surrogate: 1,2-Dichloroethane - d4	109		Limits: 60-132%	1	08/19/25 17:19	AAW	L834629
Surrogate: Toluene-d8	111		Limits: 70-130%	1	08/19/25 17:19	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85812**
Sample ID : **BH-2.3**

Matrix: **Solids**
Sampled: **8/14/2025 09:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**3.14**	mg/Kg	0.500	1	08/21/25 02:31	SML	6010D
Barium	**21.7**	mg/Kg	0.500	1	08/21/25 02:31	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 02:31	SML	6010D
Chromium	**24.7**	mg/Kg	0.250	1	08/21/25 02:31	SML	6010D
Lead	**6.40**	mg/Kg	0.300	1	08/21/25 02:31	SML	6010D
Mercury	<0.171	mg/Kg	0.171	1	08/19/25 12:53	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:31	SML	6010D
Silver	<1.25	mg/Kg	1.25	5	08/22/25 04:00	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85812**
Sample ID : **BH-2.3**

Matrix: **Solids**
Sampled: **8/14/2025 09:20**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.130**	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629
Acetonitrile	<0.100	mg/Kg	0.100	1	08/19/25 17:51	AAW	L834629
Acrolein	<0.040	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629
Benzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Bromobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Bromoform	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Bromomethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Chloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
Chloroform	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Chloromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Tuscaloosa , AL 35401

Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85812**
Sample ID : **BH-2.3**

Matrix: **Solids**
Sampled: **8/14/2025 09:20**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Dibromomethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/19/25 17:51		L834629
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85812**
Sample ID : **BH-2.3**

Matrix: **Solids**
Sampled: **8/14/2025 09:20**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
2-Hexanone	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
Iodomethane	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/19/25 17:51	AAW	L834629
Naphthalene	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
o-Xylene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Styrene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Toluene	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/19/25 17:51	AAW	L834629
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85812**
Sample ID : **BH-2.3**

Matrix: **Solids**
Sampled: **8/14/2025 09:20**

Analytical Method: 8260B **Prep Batch(es):** **L834621** 08/19/25 10:12
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/19/25 17:51	AAW	L834629
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/19/25 17:51	AAW	L834629
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/19/25 17:51		L834629
Surrogate: 4-Bromofluorobenzene	105		Limits: 60-130%	1	08/19/25 17:51	AAW	L834629
Surrogate: 1,2-Dichloroethane - d4	108		Limits: 60-132%	1	08/19/25 17:51	AAW	L834629
Surrogate: Toluene-d8	108		Limits: 70-130%	1	08/19/25 17:51	AAW	L834629

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Report Date : 08/26/2025
Received : 08/15/2025



Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85813**
Sample ID : **BH-2.4**

Matrix: **Solids**
Sampled: **8/14/2025 09:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**7.08**	mg/Kg	0.500	1	08/21/25 02:36	SML	6010D
Barium	**5.09**	mg/Kg	0.500	1	08/21/25 02:36	SML	6010D
Cadmium	**0.174**	mg/Kg	0.100	1	08/21/25 02:36	SML	6010D
Chromium	**22.2**	mg/Kg	0.250	1	08/21/25 02:36	SML	6010D
Lead	**3.74**	mg/Kg	0.300	1	08/21/25 02:36	SML	6010D
Mercury	<0.170	mg/Kg	0.170	1	08/19/25 12:55	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:36	SML	6010D
Silver	<1.25	mg/Kg	1.25	5	08/22/25 04:05	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85813**
Sample ID : **BH-2.4**

Matrix: **Solids**
Sampled: **8/14/2025 09:50**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**0.041**	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017
Acetonitrile	<0.100	mg/Kg	0.100	1	08/20/25 14:10	AAW	L835017
Acrolein	<0.040	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017
Benzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Bromobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Bromoform	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Bromomethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Chloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
Chloroform	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Chloromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85813**
Sample ID : **BH-2.4**

Matrix: **Solids**
Sampled: **8/14/2025 09:50**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Dibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 14:10		L835017
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85813**
Sample ID : **BH-2.4**

Matrix: **Solids**
Sampled: **8/14/2025 09:50**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
2-Hexanone	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
Iodomethane	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/20/25 14:10	AAW	L835017
Naphthalene	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
o-Xylene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Styrene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Toluene	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 14:10	AAW	L835017
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85813**
Sample ID : **BH-2.4**

Matrix: **Solids**
Sampled: **8/14/2025 09:50**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 14:10	AAW	L835017
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/20/25 14:10	AAW	L835017
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 14:10		L835017
Surrogate: 4-Bromofluorobenzene	108		Limits: 60-130%	1	08/20/25 14:10	AAW	L835017
Surrogate: 1,2-Dichloroethane - d4	118		Limits: 60-132%	1	08/20/25 14:10	AAW	L835017
Surrogate: Toluene-d8	108		Limits: 70-130%	1	08/20/25 14:10	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025



Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85814**
Sample ID : **BH-3.5**

Matrix: **Solids**
Sampled: **8/14/2025 10:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**3.47**	mg/Kg	0.500	1	08/21/25 02:41	SML	6010D
Barium	**28.2**	mg/Kg	0.500	1	08/21/25 02:41	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 02:41	SML	6010D
Chromium	**27.4**	mg/Kg	0.250	1	08/21/25 02:41	SML	6010D
Lead	**7.21**	mg/Kg	0.300	1	08/21/25 02:41	SML	6010D
Mercury	<0.180	mg/Kg	0.180	1	08/19/25 12:56	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:41	SML	6010D
Silver	<1.25	mg/Kg	1.25	5	08/22/25 04:10	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85814**
Sample ID : **BH-3.5**

Matrix: **Solids**
Sampled: **8/14/2025 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<4.00	mg/Kg	4.00	100	08/21/25 23:53	AAW	L835267
Acetonitrile	<0.100	mg/Kg	0.100	1	08/20/25 14:42	AAW	L835017
Acrolein	<0.040	mg/Kg	0.040	1	08/20/25 14:42	AAW	L835017
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/20/25 14:42	AAW	L835017
Benzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Bromobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Bromoform	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Bromomethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/20/25 14:42	AAW	L835017
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Chloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
Chloroform	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Chloromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85814**
Sample ID : **BH-3.5**

Matrix: **Solids**
Sampled: **8/14/2025 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Dibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 14:42		L835017
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 14:42	AAW	L835017

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85814**
Sample ID : **BH-3.5**

Matrix: **Solids**
Sampled: **8/14/2025 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
2-Hexanone	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
Iodomethane	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/20/25 14:42	AAW	L835017
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/20/25 14:42	AAW	L835017
Naphthalene	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
o-Xylene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Styrene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Toluene	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 14:42	AAW	L835017
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85814**
Sample ID : **BH-3.5**

Matrix: **Solids**
Sampled: **8/14/2025 10:15**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 14:42	AAW	L835017
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/20/25 14:42	AAW	L835017
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 14:42		L835017
Surrogate: 4-Bromofluorobenzene	106		Limits: 60-130%	1	08/20/25 14:42	AAW	L835017
Surrogate: 1,2-Dichloroethane - d4	106		Limits: 60-132%	1	08/20/25 14:42	AAW	L835017
Surrogate: Toluene-d8	110		Limits: 70-130%	1	08/20/25 14:42	AAW	L835017
Surrogate: 4-Bromofluorobenzene	101		Limits: 50-150%	100	08/21/25 23:53	AAW	L835267
Surrogate: 1,2-Dichloroethane - d4	108		Limits: 50-150%	100	08/21/25 23:53	AAW	L835267
Surrogate: Toluene-d8	104		Limits: 50-150%	100	08/21/25 23:53	AAW	L835267

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Information : Project# 202503
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Report Date : 08/26/2025
Received : 08/15/2025



Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85815**
Sample ID : **BH-3.6**

Matrix: **Solids**
Sampled: **8/14/2025 10:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.500	mg/Kg	0.500	1	08/21/25 02:47	SML	6010D
Barium	**5.22**	mg/Kg	0.500	1	08/21/25 02:47	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 02:47	SML	6010D
Chromium	**3.17**	mg/Kg	0.250	1	08/21/25 02:47	SML	6010D
Lead	**2.68**	mg/Kg	0.300	1	08/21/25 02:47	SML	6010D
Mercury	<0.190	mg/Kg	0.190	1	08/19/25 12:58	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:47	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	08/21/25 02:47	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85815**
Sample ID : **BH-3.6**

Matrix: **Solids**
Sampled: **8/14/2025 10:40**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017
Acetonitrile	<0.100	mg/Kg	0.100	1	08/20/25 15:14	AAW	L835017
Acrolein	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017
Benzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Bromobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Bromoform	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Bromomethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Chloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
Chloroform	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Chloromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85815**
Sample ID : **BH-3.6**

Matrix: **Solids**
Sampled: **8/14/2025 10:40**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Dibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 15:14		L835017
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85815**
Sample ID : **BH-3.6**

Matrix: **Solids**
Sampled: **8/14/2025 10:40**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
2-Hexanone	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
Iodomethane	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/20/25 15:14	AAW	L835017
Naphthalene	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
o-Xylene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Styrene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Toluene	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 15:14	AAW	L835017
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85815**
Sample ID : **BH-3.6**

Matrix: **Solids**
Sampled: **8/14/2025 10:40**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 15:14	AAW	L835017
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/20/25 15:14	AAW	L835017
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 15:14		L835017
Surrogate: 4-Bromofluorobenzene	107		Limits: 60-130%	1	08/20/25 15:14	AAW	L835017
Surrogate: 1,2-Dichloroethane - d4	103		Limits: 60-132%	1	08/20/25 15:14	AAW	L835017
Surrogate: Toluene-d8	109		Limits: 70-130%	1	08/20/25 15:14	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85816**
Sample ID : **BH-4.7**

Matrix: **Solids**
Sampled: **8/14/2025 12:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**4.81**	mg/Kg	0.500	1	08/21/25 02:52	SML	6010D
Barium	**59.5**	mg/Kg	0.500	1	08/21/25 02:52	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 02:52	SML	6010D
Chromium	**28.0**	mg/Kg	0.250	1	08/21/25 02:52	SML	6010D
Lead	**10.6**	mg/Kg	0.300	1	08/21/25 02:52	SML	6010D
Mercury	<0.173	mg/Kg	0.173	1	08/19/25 12:59	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:52	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	08/21/25 02:52	SML	6010D

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85816**
Sample ID : **BH-4.7**

Matrix: **Solids**
Sampled: **8/14/2025 12:10**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<4.00	mg/Kg	4.00	100	08/22/25 00:25	AAW	L835267
Acetonitrile	<0.100	mg/Kg	0.100	1	08/20/25 15:46	AAW	L835017
Acrolein	<0.040	mg/Kg	0.040	1	08/20/25 15:46	AAW	L835017
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/20/25 15:46	AAW	L835017
Benzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Bromobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Bromoform	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Bromomethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/20/25 15:46	AAW	L835017
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Chloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
Chloroform	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Chloromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Tuscaloosa, AL 35401

Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85816**
Sample ID : **BH-4.7**

Matrix: **Solids**
Sampled: **8/14/2025 12:10**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Dibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 15:46		L835017
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 15:46	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Tuscaloosa, AL 35401

Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85816**
Sample ID : **BH-4.7**

Matrix: **Solids**
Sampled: **8/14/2025 12:10**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
2-Hexanone	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
Iodomethane	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/20/25 15:46	AAW	L835017
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/20/25 15:46	AAW	L835017
Naphthalene	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
o-Xylene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Styrene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Toluene	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 15:46	AAW	L835017
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85816**
Sample ID : **BH-4.7**

Matrix: **Solids**
Sampled: **8/14/2025 12:10**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22 **L835253** 08/21/25 12:28
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 15:46	AAW	L835017
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/20/25 15:46	AAW	L835017
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 15:46		L835017
Surrogate: 4-Bromofluorobenzene	104		Limits: 60-130%	1	08/20/25 15:46	AAW	L835017
Surrogate: 1,2-Dichloroethane - d4	105		Limits: 60-132%	1	08/20/25 15:46	AAW	L835017
Surrogate: Toluene-d8	110		Limits: 70-130%	1	08/20/25 15:46	AAW	L835017
Surrogate: 4-Bromofluorobenzene	101		Limits: 50-150%	100	08/22/25 00:25	AAW	L835267
Surrogate: 1,2-Dichloroethane - d4	104		Limits: 50-150%	100	08/22/25 00:25	AAW	L835267
Surrogate: Toluene-d8	104		Limits: 50-150%	100	08/22/25 00:25	AAW	L835267

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Report Date : 08/26/2025
Received : 08/15/2025



Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85817**
Sample ID : **BH-4.8**

Matrix: **Solids**
Sampled: **8/14/2025 12:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.500	mg/Kg	0.500	1	08/21/25 02:57	SML	6010D
Barium	**5.95**	mg/Kg	0.500	1	08/21/25 02:57	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 02:57	SML	6010D
Chromium	**2.35**	mg/Kg	0.250	1	08/21/25 02:57	SML	6010D
Lead	**3.35**	mg/Kg	0.300	1	08/21/25 02:57	SML	6010D
Mercury	<0.185	mg/Kg	0.185	1	08/19/25 13:01	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 02:57	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	08/21/25 02:57	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85817**
Sample ID : **BH-4.8**

Matrix: **Solids**
Sampled: **8/14/2025 12:30**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017
Acetonitrile	<0.100	mg/Kg	0.100	1	08/20/25 16:18	AAW	L835017
Acrolein	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017
Benzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Bromobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Bromoform	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Bromomethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Chloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
Chloroform	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Chloromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Information : Project# 202503
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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85817**
Sample ID : **BH-4.8**

Matrix: **Solids**
Sampled: **8/14/2025 12:30**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Dibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 16:18		L835017
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85817**
Sample ID : **BH-4.8**

Matrix: **Solids**
Sampled: **8/14/2025 12:30**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
2-Hexanone	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
Iodomethane	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/20/25 16:18	AAW	L835017
Naphthalene	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
o-Xylene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Styrene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Toluene	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 16:18	AAW	L835017
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85817**
Sample ID : **BH-4.8**

Matrix: **Solids**
Sampled: **8/14/2025 12:30**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 16:18	AAW	L835017
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/20/25 16:18	AAW	L835017
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 16:18		L835017
Surrogate: 4-Bromofluorobenzene	106		Limits: 60-130%	1	08/20/25 16:18	AAW	L835017
Surrogate: 1,2-Dichloroethane - d4	107		Limits: 60-132%	1	08/20/25 16:18	AAW	L835017
Surrogate: Toluene-d8	111		Limits: 70-130%	1	08/20/25 16:18	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025



Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85818**
Sample ID : **BH-5.9**

Matrix: **Solids**
Sampled: **8/14/2025 12:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**2.84**	mg/Kg	0.500	1	08/21/25 03:03	SML	6010D
Barium	**28.5**	mg/Kg	0.500	1	08/21/25 03:03	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 03:03	SML	6010D
Chromium	**16.9**	mg/Kg	0.250	1	08/21/25 03:03	SML	6010D
Lead	**6.83**	mg/Kg	0.300	1	08/21/25 03:03	SML	6010D
Mercury	<0.169	mg/Kg	0.169	1	08/19/25 13:02	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 03:03	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	08/21/25 03:03	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85818**
Sample ID : **BH-5.9**

Matrix: **Solids**
Sampled: **8/14/2025 12:50**

Analytical Method: 8260B **Prep Batch(es):** **L835196** 08/21/25 12:28 **L835760** 08/22/25 10:10
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<4.00	mg/Kg	4.00	100	08/22/25 19:56	AAW	L835761
Acetonitrile	<0.100	mg/Kg	0.100	1	08/21/25 16:26	AAW	L835213
Acrolein	<0.040	mg/Kg	0.040	1	08/21/25 16:26	AAW	L835213
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/21/25 16:26	AAW	L835213
Benzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Bromobenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Bromoform	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Bromomethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/21/25 16:26	AAW	L835213
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Chloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
Chloroform	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Chloromethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85818**
Sample ID : **BH-5.9**

Matrix: **Solids**
Sampled: **8/14/2025 12:50**

Analytical Method: 8260B **Prep Batch(es):** **L835196** 08/21/25 12:28 **L835760** 08/22/25 10:10
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Dibromomethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/21/25 16:26		L835213
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/21/25 16:26	AAW	L835213

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85818**
Sample ID : **BH-5.9**

Matrix: **Solids**
Sampled: **8/14/2025 12:50**

Analytical Method: 8260B **Prep Batch(es):** **L835196** 08/21/25 12:28 **L835760** 08/22/25 10:10
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
2-Hexanone	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
Iodomethane	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/21/25 16:26	AAW	L835213
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/21/25 16:26	AAW	L835213
Naphthalene	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
o-Xylene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Styrene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Toluene	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/21/25 16:26	AAW	L835213
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85818**
Sample ID : **BH-5.9**

Matrix: **Solids**
Sampled: **8/14/2025 12:50**

Analytical Method: 8260B **Prep Batch(es):** **L835196** 08/21/25 12:28 **L835760** 08/22/25 10:10
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/21/25 16:26	AAW	L835213
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/21/25 16:26	AAW	L835213
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/21/25 16:26		L835213
Surrogate: 4-Bromofluorobenzene	106		Limits: 60-130%	1	08/21/25 16:26	AAW	L835213
Surrogate: 1,2-Dichloroethane - d4	105		Limits: 60-132%	1	08/21/25 16:26	AAW	L835213
Surrogate: Toluene-d8	110		Limits: 70-130%	1	08/21/25 16:26	AAW	L835213
Surrogate: 4-Bromofluorobenzene	96.8		Limits: 50-150%	100	08/22/25 19:56	AAW	L835761
Surrogate: 1,2-Dichloroethane - d4	100		Limits: 50-150%	100	08/22/25 19:56	AAW	L835761
Surrogate: Toluene-d8	102		Limits: 50-150%	100	08/22/25 19:56	AAW	L835761

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025



Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85819**
Sample ID : **BH-5.10**

Matrix: **Solids**
Sampled: **8/14/2025 13:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.500	mg/Kg	0.500	1	08/21/25 03:08	SML	6010D
Barium	**3.03**	mg/Kg	0.500	1	08/21/25 03:08	SML	6010D
Cadmium	<0.100	mg/Kg	0.100	1	08/21/25 03:08	SML	6010D
Chromium	**1.50**	mg/Kg	0.250	1	08/21/25 03:08	SML	6010D
Lead	**1.65**	mg/Kg	0.300	1	08/21/25 03:08	SML	6010D
Mercury	<0.177	mg/Kg	0.177	1	08/19/25 13:03	JW2	7471B
Selenium	<0.500	mg/Kg	0.500	1	08/21/25 03:08	SML	6010D
Silver	<0.250	mg/Kg	0.250	1	08/21/25 03:08	SML	6010D

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85819**
Sample ID : **BH-5.10**

Matrix: **Solids**
Sampled: **8/14/2025 13:20**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017
Acetonitrile	<0.100	mg/Kg	0.100	1	08/20/25 16:50	AAW	L835017
Acrolein	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017
Acrylonitrile	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017
Benzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Bromobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Bromochloromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Bromodichloromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Bromoform	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Bromomethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
2-Butanone (MEK)	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017
n-Butylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
sec-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
tert-Butyl benzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Carbon Disulfide	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Carbon Tetrachloride	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Chlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Chlorodibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Chloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
2-Chloroethylvinyl Ether	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
Chloroform	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Chloromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85819**
Sample ID : **BH-5.10**

Matrix: **Solids**
Sampled: **8/14/2025 13:20**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
4-Chlorotoluene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,2-Dibromo-3-Chloropropane	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
1,2-Dibromoethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Dibromomethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,2-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,3-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,4-Dichlorobenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Dichlorodifluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,1-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,2-Dichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,1-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
cis-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
trans-1,2-Dichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,2-Dichloroethene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 16:50		L835017
1,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,3-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
2,2-Dichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,1-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
cis-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
trans-1,3-Dichloropropene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Ethyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85819**
Sample ID : **BH-5.10**

Matrix: **Solids**
Sampled: **8/14/2025 13:20**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Hexachlorobutadiene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
2-Hexanone	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
Iodomethane	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
Isopropylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
4-Isopropyl toluene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
4-Methyl-2-Pentanone	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
Methylene Chloride	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017
Methyl tert-butyl ether (MTBE)	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
m,p-Xylene	<0.004	mg/Kg	0.004	1	08/20/25 16:50	AAW	L835017
Naphthalene	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
o-Xylene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
n-Propylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Styrene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,1,1,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,1,2,2-Tetrachloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Tetrachloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Toluene	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
1,2,3-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
1,2,4-Trichlorobenzene	<0.010	mg/Kg	0.010	1	08/20/25 16:50	AAW	L835017
1,1,1-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,1,2-Trichloroethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project 202503 - Adcox 1405 HB

Information : Project# 202503
Tuscaloosa, AL 35401

Report Date : 08/26/2025
Received : 08/15/2025

Andrea R. Brownfield
Project manager

Report Number : **25-227-0013**

REPORT OF ANALYSIS

Lab No : **85819**
Sample ID : **BH-5.10**

Matrix: **Solids**
Sampled: **8/14/2025 13:20**

Analytical Method: 8260B **Prep Batch(es):** **L834955** 08/21/25 09:22
Prep Method: 5030A

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Trichlorofluoromethane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,2,3-Trichloropropane	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,2,4-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
1,3,5-Trimethylbenzene	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Vinyl Acetate	<0.040	mg/Kg	0.040	1	08/20/25 16:50	AAW	L835017
Vinyl Chloride	<0.002	mg/Kg	0.002	1	08/20/25 16:50	AAW	L835017
Xylene (Total)	<0.002	mg/Kg	0.002	1	08/20/25 16:50		L835017
Surrogate: 4-Bromofluorobenzene	105		Limits: 60-130%	1	08/20/25 16:50	AAW	L835017
Surrogate: 1,2-Dichloroethane - d4	109		Limits: 60-132%	1	08/20/25 16:50	AAW	L835017
Surrogate: Toluene-d8	109		Limits: 70-130%	1	08/20/25 16:50	AAW	L835017

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834344
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L834793
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L834344 Matrix: SOL
Associated Lab Samples: 85810, 85811, 85812, 85813, 85814, 85815, 85816, 85817, 85818, 85819

Parameter	Units	Blank Result	MQL	Analyzed
Arsenic	mg/Kg	< 0.500	0.500	08/20/25 12:38
Barium	mg/Kg	< 0.500	0.500	08/20/25 12:38
Cadmium	mg/Kg	< 0.100	0.100	08/20/25 12:38
Chromium	mg/Kg	< 0.250	0.250	08/20/25 12:38
Lead	mg/Kg	< 0.300	0.300	08/20/25 12:38
Selenium	mg/Kg	< 0.500	0.500	08/20/25 12:38
Silver	mg/Kg	< 0.250	0.250	08/20/25 12:38

Laboratory Control Sample LCS-L834344

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/Kg	5.00	5.10	102	80-120
Barium	mg/Kg	50.0	52.3	105	80-120
Cadmium	mg/Kg	5.00	5.35	107	80-120
Chromium	mg/Kg	50.0	57.5	115	80-120
Lead	mg/Kg	5.00	5.37	107	80-120
Selenium	mg/Kg	5.00	5.26	105	80-120
Silver	mg/Kg	5.00	5.48	110	80-120

Matrix Spike & Matrix Spike Duplicate F 97368-MS-L834344 F 97368-MSD-L834344

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/Kg	< 0.500	4.75	4.55	4.62	4.52	97.0	99.0	75-125	2.1	20.0
Barium	mg/Kg	2.92	47.5	45.5	49.2	47.3	97.0	98.0	75-125	3.9	20.0
Cadmium	mg/Kg	< 0.100	4.75	4.55	4.70	4.49	99.0	99.0	75-125	4.5	20.0
Chromium	mg/Kg	0.339	47.5	45.5	51.7	49.4	108	108	75-125	4.5	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834344
QC Prep Batch Method: 3050B
QC Analytical Batch(es): L834793
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate F 97368-MS-L834344 F 97368-MSD-L834344

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/Kg	< 0.300	4.75	4.55	4.98	4.74	100	99.0	75-125	4.9	20.0
Selenium	mg/Kg	< 0.500	4.75	4.55	4.61	4.44	97.0	98.0	75-125	3.7	20.0
Silver	mg/Kg	< 0.250	4.75	4.55	4.99	4.77	105	105	75-125	4.5	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834323
QC Prep Batch Method: 7471B
QC Analytical Batch(es): L834499
Analysis Method: 7471B
Analysis Description: Solids Total Mercury Analysis - CVAA

Lab Reagent Blank LRB-L834323 Matrix: SOL
Associated Lab Samples: 85810, 85811, 85812, 85813, 85814, 85815, 85816, 85817, 85818, 85819

Parameter	Units	Blank Result	MQL	Analyzed
Mercury	mg/Kg	< 0.192	0.192	08/19/25 12:27

Laboratory Control Sample LCS-L834323

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/Kg	0.400	0.427	107	80-120

Matrix Spike & Matrix Spike Duplicate L 85819-MS-L834323 L 85819-MSD-L834323

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/Kg	< 0.184	0.383	0.364	0.389	0.384	102	105	80-120	1.2	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834621
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L834629
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L834621 Matrix: SOL
Associated Lab Samples: 85810, 85811, 85812

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.040	0.040	08/19/25 13:36		
Acetonitrile	mg/Kg	<0.100	0.100	08/19/25 13:36		
Acrolein	mg/Kg	<0.040	0.040	08/19/25 13:36		
Acrylonitrile	mg/Kg	<0.040	0.040	08/19/25 13:36		
Benzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Bromobenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Bromochloromethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
Bromodichloromethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
Bromoform	mg/Kg	<0.002	0.002	08/19/25 13:36		
Bromomethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
2-Butanone (MEK)	mg/Kg	<0.040	0.040	08/19/25 13:36		
n-Butylbenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
sec-Butyl benzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
tert-Butyl benzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Carbon Disulfide	mg/Kg	<0.002	0.002	08/19/25 13:36		
Carbon Tetrachloride	mg/Kg	<0.002	0.002	08/19/25 13:36		
Chlorobenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Chlorodibromomethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
Chloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.010	08/19/25 13:36		
Chloroform	mg/Kg	<0.002	0.002	08/19/25 13:36		
Chloromethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
2-Chlorotoluene	mg/Kg	<0.002	0.002	08/19/25 13:36		
4-Chlorotoluene	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.010	08/19/25 13:36		
1,2-Dibromoethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
Dibromomethane	mg/Kg	<0.002	0.002	08/19/25 13:36		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834621
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L834629
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L834621 Matrix: SOL
Associated Lab Samples: 85810, 85811, 85812

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,3-Dichlorobenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,4-Dichlorobenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Dichlorodifluoromethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,1-Dichloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,2-Dichloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,1-Dichloroethene	mg/Kg	<0.002	0.002	08/19/25 13:36		
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.002	08/19/25 13:36		
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,2-Dichloropropane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,3-Dichloropropane	mg/Kg	<0.002	0.002	08/19/25 13:36		
2,2-Dichloropropane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,1-Dichloropropene	mg/Kg	<0.002	0.002	08/19/25 13:36		
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.002	08/19/25 13:36		
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Ethyl Acetate	mg/Kg	<0.040	0.040	08/19/25 13:36		
Ethylbenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Hexachlorobutadiene	mg/Kg	<0.002	0.002	08/19/25 13:36		
2-Hexanone	mg/Kg	<0.010	0.010	08/19/25 13:36		
Iodomethane	mg/Kg	<0.010	0.010	08/19/25 13:36		
Isopropylbenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
4-Isopropyl toluene	mg/Kg	<0.002	0.002	08/19/25 13:36		
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.010	08/19/25 13:36		
Methylene Chloride	mg/Kg	<0.040	0.040	08/19/25 13:36		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.002	08/19/25 13:36		
m,p-Xylene	mg/Kg	<0.004	0.004	08/19/25 13:36		
Naphthalene	mg/Kg	<0.010	0.010	08/19/25 13:36		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834621
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L834629
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L834621 Matrix: SOL
Associated Lab Samples: 85810, 85811, 85812

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	mg/Kg	<0.002	0.002	08/19/25 13:36		
n-Propylbenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Styrene	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
Tetrachloroethene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Toluene	mg/Kg	<0.010	0.010	08/19/25 13:36		
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.010	08/19/25 13:36		
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.010	08/19/25 13:36		
1,1,1-Trichloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,1,2-Trichloroethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
Trichloroethene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Trichlorofluoromethane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,2,3-Trichloropropane	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.002	08/19/25 13:36		
Vinyl Acetate	mg/Kg	<0.040	0.040	08/19/25 13:36		
Vinyl Chloride	mg/Kg	<0.002	0.002	08/19/25 13:36		
4-Bromofluorobenzene (S)				08/19/25 13:36	103	60-130
1,2-Dichloroethane - d4 (S)				08/19/25 13:36	101	60-132
Toluene-d8 (S)				08/19/25 13:36	101	70-130

Laboratory Control Sample & LCSD LCS-L834621 LCSD-L834621

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	0.200	0.195	0.191	97.5	95.5	40-160	2.0	20

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834621
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L834629
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L834621 LCSD-L834621

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	2.00	1.93	1.65	96.5	82.5	40-160	15.6	20
Acrolein	mg/Kg	0.200	0.274	0.259	137	130	40-160	5.6	20
Acrylonitrile	mg/Kg	0.200	0.197	0.191	98.5	95.5	40-160	3.0	20
Benzene	mg/Kg	0.200	0.225	0.180	113	90.0	70-130	22.2*	20
Bromobenzene	mg/Kg	0.200	0.229	0.182	115	91.0	75-125	22.8*	20
Bromochloromethane	mg/Kg	0.200	0.226	0.191	113	95.5	65-135	16.7	20
Bromodichloromethane	mg/Kg	0.200	0.230	0.189	115	94.5	75-125	19.5	20
Bromoform	mg/Kg	0.200	0.204	0.170	102	85.0	70-130	18.1	20
Bromomethane	mg/Kg	0.200	0.314	0.276	157	138	40-160	12.8	20
2-Butanone (MEK)	mg/Kg	0.200	0.197	0.177	98.5	88.5	40-160	10.6	20
n-Butylbenzene	mg/Kg	0.200	0.239	0.172	120	86.0	70-130	32.6*	20
sec-Butyl benzene	mg/Kg	0.200	0.242	0.179	121	89.5	70-130	29.9*	20
tert-Butyl benzene	mg/Kg	0.200	0.238	0.178	119	89.0	70-130	28.8*	20
Carbon Disulfide	mg/Kg	0.200	0.185	0.147	92.5	73.5	40-160	22.8*	20
Carbon Tetrachloride	mg/Kg	0.200	0.238	0.179	119	89.5	65-135	28.2*	20
Chlorobenzene	mg/Kg	0.200	0.234	0.186	117	93.0	80-120	22.8*	20
Chlorodibromomethane	mg/Kg	0.200	0.224	0.184	112	92.0	60-140	19.6	20
Chloroethane	mg/Kg	0.200	0.240	0.204	120	102	60-140	16.2	20
2-Chloroethylvinyl Ether	mg/Kg	0.200	0.165	0.138	82.5	69.0	40-160	17.8	20
Chloroform	mg/Kg	0.200	0.227	0.184	114	92.0	80-120	20.9*	20
Chloromethane	mg/Kg	0.200	0.272	0.237	136	119	40-160	13.7	20
2-Chlorotoluene	mg/Kg	0.200	0.228	0.174	114	87.0	75-125	26.8*	20
4-Chlorotoluene	mg/Kg	0.200	0.227	0.175	114	87.5	75-125	25.8*	20
1,2-Dibromo-3-Chloropropane	mg/Kg	0.200	0.147	0.123	73.5	61.5	50-150	17.7	20
1,2-Dibromoethane	mg/Kg	0.200	0.211	0.178	106	89.0	70-130	16.9	20
Dibromomethane	mg/Kg	0.200	0.219	0.188	110	94.0	75-125	15.2	20

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834621
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L834629
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L834621 LCSD-L834621

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichlorobenzene	mg/Kg	0.200	0.233	0.184	117	92.0	70-130	23.5*	20
1,3-Dichlorobenzene	mg/Kg	0.200	0.246	0.191	123	95.5	75-125	25.1*	20
1,4-Dichlorobenzene	mg/Kg	0.200	0.245	0.190	123	95.0	75-125	25.2*	20
Dichlorodifluoromethane	mg/Kg	0.200	0.209	0.186	105	93.0	40-160	11.6	20
1,1-Dichloroethane	mg/Kg	0.200	0.217	0.177	109	88.5	70-130	20.3*	20
1,2-Dichloroethane	mg/Kg	0.200	0.236	0.203	118	102	70-130	15.0	20
1,1-Dichloroethene	mg/Kg	0.200	0.207	0.159	104	79.5*	80-120	26.2*	20
cis-1,2-Dichloroethene	mg/Kg	0.200	0.216	0.177	108	88.5	70-130	19.8	20
trans-1,2-Dichloroethene	mg/Kg	0.200	0.217	0.172	109	86.0	60-140	23.1*	20
1,2-Dichloropropane	mg/Kg	0.200	0.223	0.184	112	92.0	80-120	19.1	20
1,3-Dichloropropane	mg/Kg	0.200	0.224	0.188	112	94.0	75-125	17.4	20
2,2-Dichloropropane	mg/Kg	0.200	0.231	0.173	116	86.5	70-130	28.7*	20
1,1-Dichloropropene	mg/Kg	0.200	0.228	0.169	114	84.5	75-125	29.7*	20
cis-1,3-Dichloropropene	mg/Kg	0.200	0.230	0.188	115	94.0	70-130	20.0*	20
trans-1,3-Dichloropropene	mg/Kg	0.200	0.227	0.187	114	93.5	55-145	19.3	20
Ethyl Acetate	mg/Kg	0.200	0.189	0.178	94.5	89.0	40-160	5.9	20
Ethylbenzene	mg/Kg	0.200	0.237	0.186	119	93.0	80-120	24.1*	20
Hexachlorobutadiene	mg/Kg	0.200	0.219	0.153	110	76.5	50-150	35.4*	20
2-Hexanone	mg/Kg	0.200	0.186	0.163	93.0	81.5	50-150	13.1	20
Iodomethane	mg/Kg	0.200	0.123	0.105	61.5	52.5	40-160	15.7	20
Isopropylbenzene	mg/Kg	0.200	0.238	0.180	119	90.0	75-125	27.7*	20
4-Isopropyl toluene	mg/Kg	0.200	0.233	0.173	117	86.5	75-125	29.5*	20
4-Methyl-2-Pentanone	mg/Kg	0.200	0.195	0.168	97.5	84.0	60-140	14.8	20
Methylene Chloride	mg/Kg	0.200	0.213	0.181	107	90.5	55-145	16.2	20
Methyl tert-butyl ether (MTBE)	mg/Kg	0.200	0.210	0.189	105	94.5	65-135	10.5	20
m,p-Xylene	mg/Kg	0.400	0.482	0.375	121	93.7	75-125	24.9*	20

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834621
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L834629
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L834621 LCSD-L834621

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Naphthalene	mg/Kg	0.200	0.139	0.108	69.5	54.0*	55-145	25.1*	20
o-Xylene	mg/Kg	0.200	0.235	0.185	118	92.5	70-130	23.8*	20
n-Propylbenzene	mg/Kg	0.200	0.243	0.183	122	91.5	70-130	28.1*	20
Styrene	mg/Kg	0.200	0.232	0.184	116	92.0	65-135	23.0*	20
1,1,1,2-Tetrachloroethane	mg/Kg	0.200	0.225	0.181	113	90.5	70-130	21.6*	20
1,1,2,2-Tetrachloroethane	mg/Kg	0.200	0.206	0.172	103	86.0	65-135	17.9	20
Tetrachloroethene	mg/Kg	0.200	0.253	0.189	127	94.5	45-155	28.9*	20
Toluene	mg/Kg	0.200	0.225	0.180	113	90.0	80-120	22.2*	20
1,2,3-Trichlorobenzene	mg/Kg	0.200	0.151	0.111	75.5	55.5*	60-140	30.5*	20
1,2,4-Trichlorobenzene	mg/Kg	0.200	0.178	0.132	89.0	66.0	65-135	29.6*	20
1,1,1-Trichloroethane	mg/Kg	0.200	0.236	0.182	118	91.0	65-135	25.8*	20
1,1,2-Trichloroethane	mg/Kg	0.200	0.229	0.190	115	95.0	75-125	18.6	20
Trichloroethene	mg/Kg	0.200	0.229	0.178	115	89.0	70-130	25.0*	20
Trichlorofluoromethane	mg/Kg	0.200	0.232	0.177	116	88.5	60-140	26.8*	20
1,2,3-Trichloropropane	mg/Kg	0.200	0.206	0.172	103	86.0	75-125	17.9	20
1,2,4-Trimethylbenzene	mg/Kg	0.200	0.231	0.177	116	88.5	75-125	26.4*	20
1,3,5-Trimethylbenzene	mg/Kg	0.200	0.238	0.183	119	91.5	75-125	26.1*	20
Vinyl Acetate	mg/Kg	0.200	0.328	0.308	164*	154	40-160	6.2	20
Vinyl Chloride	mg/Kg	0.200	0.210	0.257	105	129*	80-120	20.1*	20
4-Bromofluorobenzene (S)					106	105	60-130		
1,2-Dichloroethane - d4 (S)					111	107	60-132		
Toluene-d8 (S)					113	110	70-130		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L834955 Matrix: SOL
Associated Lab Samples: 85813, 85814, 85815, 85816, 85817, 85819

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<0.040	0.040	08/20/25 13:06		
Acetonitrile	mg/Kg	<0.100	0.100	08/20/25 13:06		
Acrolein	mg/Kg	<0.040	0.040	08/20/25 13:06		
Acrylonitrile	mg/Kg	<0.040	0.040	08/20/25 13:06		
Benzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Bromobenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Bromochloromethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
Bromodichloromethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
Bromoform	mg/Kg	<0.002	0.002	08/20/25 13:06		
Bromomethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
2-Butanone (MEK)	mg/Kg	<0.040	0.040	08/20/25 13:06		
n-Butylbenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
sec-Butyl benzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
tert-Butyl benzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Carbon Disulfide	mg/Kg	<0.002	0.002	08/20/25 13:06		
Carbon Tetrachloride	mg/Kg	<0.002	0.002	08/20/25 13:06		
Chlorobenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Chlorodibromomethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
Chloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.010	08/20/25 13:06		
Chloroform	mg/Kg	<0.002	0.002	08/20/25 13:06		
Chloromethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
2-Chlorotoluene	mg/Kg	<0.002	0.002	08/20/25 13:06		
4-Chlorotoluene	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.010	08/20/25 13:06		
1,2-Dibromoethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
Dibromomethane	mg/Kg	<0.002	0.002	08/20/25 13:06		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L834955 Matrix: SOL
Associated Lab Samples: 85813, 85814, 85815, 85816, 85817, 85819

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,3-Dichlorobenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,4-Dichlorobenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Dichlorodifluoromethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,1-Dichloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,2-Dichloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,1-Dichloroethene	mg/Kg	<0.002	0.002	08/20/25 13:06		
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.002	08/20/25 13:06		
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,2-Dichloropropane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,3-Dichloropropane	mg/Kg	<0.002	0.002	08/20/25 13:06		
2,2-Dichloropropane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,1-Dichloropropene	mg/Kg	<0.002	0.002	08/20/25 13:06		
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.002	08/20/25 13:06		
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Ethyl Acetate	mg/Kg	<0.040	0.040	08/20/25 13:06		
Ethylbenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Hexachlorobutadiene	mg/Kg	<0.002	0.002	08/20/25 13:06		
2-Hexanone	mg/Kg	<0.010	0.010	08/20/25 13:06		
Iodomethane	mg/Kg	<0.010	0.010	08/20/25 13:06		
Isopropylbenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
4-Isopropyl toluene	mg/Kg	<0.002	0.002	08/20/25 13:06		
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.010	08/20/25 13:06		
Methylene Chloride	mg/Kg	<0.040	0.040	08/20/25 13:06		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.002	08/20/25 13:06		
m,p-Xylene	mg/Kg	<0.004	0.004	08/20/25 13:06		
Naphthalene	mg/Kg	<0.010	0.010	08/20/25 13:06		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L834955 Matrix: SOL
Associated Lab Samples: 85813, 85814, 85815, 85816, 85817, 85819

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	mg/Kg	<0.002	0.002	08/20/25 13:06		
n-Propylbenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Styrene	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
Tetrachloroethene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Toluene	mg/Kg	<0.010	0.010	08/20/25 13:06		
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.010	08/20/25 13:06		
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.010	08/20/25 13:06		
1,1,1-Trichloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,1,2-Trichloroethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
Trichloroethene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Trichlorofluoromethane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,2,3-Trichloropropane	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.002	08/20/25 13:06		
Vinyl Acetate	mg/Kg	<0.040	0.040	08/20/25 13:06		
Vinyl Chloride	mg/Kg	<0.002	0.002	08/20/25 13:06		
4-Bromofluorobenzene (S)				08/20/25 13:06	112	60-130
1,2-Dichloroethane - d4 (S)				08/20/25 13:06	106	60-132
Toluene-d8 (S)				08/20/25 13:06	108	70-130

Laboratory Control Sample LCS-L834955

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetone	mg/Kg	0.200	0.176	88.0	40-160
Acetonitrile	mg/Kg	2.00	1.76	88.0	40-160

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L834955

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acrolein	mg/Kg	0.200	0.220	110	40-160
Acrylonitrile	mg/Kg	0.200	0.180	90.0	40-160
Benzene	mg/Kg	0.200	0.194	97.0	70-130
Bromobenzene	mg/Kg	0.200	0.203	102	75-125
Bromochloromethane	mg/Kg	0.200	0.204	102	65-135
Bromodichloromethane	mg/Kg	0.200	0.207	104	75-125
Bromoform	mg/Kg	0.200	0.181	90.5	70-130
Bromomethane	mg/Kg	0.200	0.270	135	40-160
2-Butanone (MEK)	mg/Kg	0.200	0.178	89.0	40-160
n-Butylbenzene	mg/Kg	0.200	0.192	96.0	70-130
sec-Butyl benzene	mg/Kg	0.200	0.197	98.5	70-130
tert-Butyl benzene	mg/Kg	0.200	0.198	99.0	70-130
Carbon Disulfide	mg/Kg	0.200	0.162	81.0	40-160
Carbon Tetrachloride	mg/Kg	0.200	0.191	95.5	65-135
Chlorobenzene	mg/Kg	0.200	0.207	104	80-120
Chlorodibromomethane	mg/Kg	0.200	0.197	98.5	60-140
Chloroethane	mg/Kg	0.200	0.191	95.5	60-140
2-Chloroethylvinyl Ether	mg/Kg	0.200	0.150	75.0	40-160
Chloroform	mg/Kg	0.200	0.197	98.5	80-120
Chloromethane	mg/Kg	0.200	0.187	93.5	40-160
2-Chlorotoluene	mg/Kg	0.200	0.194	97.0	75-125
4-Chlorotoluene	mg/Kg	0.200	0.194	97.0	75-125
1,2-Dibromo-3-Chloropropane	mg/Kg	0.200	0.133	66.5	50-150
1,2-Dibromoethane	mg/Kg	0.200	0.189	94.5	70-130
Dibromomethane	mg/Kg	0.200	0.199	99.5	75-125
1,2-Dichlorobenzene	mg/Kg	0.200	0.204	102	70-130
1,3-Dichlorobenzene	mg/Kg	0.200	0.212	106	75-125

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L834955

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,4-Dichlorobenzene	mg/Kg	0.200	0.209	105	75-125
Dichlorodifluoromethane	mg/Kg	0.200	0.103	51.5	40-160
1,1-Dichloroethane	mg/Kg	0.200	0.192	96.0	70-130
1,2-Dichloroethane	mg/Kg	0.200	0.214	107	70-130
1,1-Dichloroethene	mg/Kg	0.200	0.177	88.5	80-120
cis-1,2-Dichloroethene	mg/Kg	0.200	0.192	96.0	70-130
trans-1,2-Dichloroethene	mg/Kg	0.200	0.189	94.5	60-140
1,2-Dichloropropane	mg/Kg	0.200	0.204	102	80-120
1,3-Dichloropropane	mg/Kg	0.200	0.208	104	75-125
2,2-Dichloropropane	mg/Kg	0.200	0.192	96.0	70-130
1,1-Dichloropropene	mg/Kg	0.200	0.176	88.0	75-125
cis-1,3-Dichloropropene	mg/Kg	0.200	0.207	104	70-130
trans-1,3-Dichloropropene	mg/Kg	0.200	0.203	102	55-145
Ethyl Acetate	mg/Kg	0.200	0.173	86.5	40-160
Ethylbenzene	mg/Kg	0.200	0.207	104	80-120
Hexachlorobutadiene	mg/Kg	0.200	0.175	87.5	50-150
2-Hexanone	mg/Kg	0.200	0.170	85.0	50-150
Iodomethane	mg/Kg	0.200	0.113	56.5	40-160
Isopropylbenzene	mg/Kg	0.200	0.200	100	75-125
4-Isopropyl toluene	mg/Kg	0.200	0.193	96.5	75-125
4-Methyl-2-Pentanone	mg/Kg	0.200	0.173	86.5	60-140
Methylene Chloride	mg/Kg	0.200	0.199	99.5	55-145
Methyl tert-butyl ether (MTBE)	mg/Kg	0.200	0.199	99.5	65-135
m,p-Xylene	mg/Kg	0.400	0.419	105	75-125
Naphthalene	mg/Kg	0.200	0.123	61.5	55-145
o-Xylene	mg/Kg	0.200	0.208	104	70-130
n-Propylbenzene	mg/Kg	0.200	0.201	101	70-130

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L834955

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Styrene	mg/Kg	0.200	0.205	103	65-135
1,1,1,2-Tetrachloroethane	mg/Kg	0.200	0.200	100	70-130
1,1,2,2-Tetrachloroethane	mg/Kg	0.200	0.186	93.0	65-135
Tetrachloroethene	mg/Kg	0.200	0.210	105	45-155
Toluene	mg/Kg	0.200	0.197	98.5	80-120
1,2,3-Trichlorobenzene	mg/Kg	0.200	0.136	68.0	60-140
1,2,4-Trichlorobenzene	mg/Kg	0.200	0.154	77.0	65-135
1,1,1-Trichloroethane	mg/Kg	0.200	0.196	98.0	65-135
1,1,2-Trichloroethane	mg/Kg	0.200	0.204	102	75-125
Trichloroethene	mg/Kg	0.200	0.194	97.0	70-130
Trichlorofluoromethane	mg/Kg	0.200	0.168	84.0	60-140
1,2,3-Trichloropropane	mg/Kg	0.200	0.187	93.5	75-125
1,2,4-Trimethylbenzene	mg/Kg	0.200	0.196	98.0	75-125
1,3,5-Trimethylbenzene	mg/Kg	0.200	0.204	102	75-125
Vinyl Acetate	mg/Kg	0.200	0.302	151	40-160
Vinyl Chloride	mg/Kg	0.200	0.176	88.0	80-120
4-Bromofluorobenzene (S)				108	60-130
1,2-Dichloroethane - d4 (S)				102	60-132
Toluene-d8 (S)				110	70-130

Matrix Spike & Matrix Spike Duplicate L 85819-MS-L834955 L 85819-MSD-L834955

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetone	mg/Kg	<0.040	0.187	0.188	0.192	0.198	103	105	40-160	3.0	30
Acetonitrile	mg/Kg	<0.100	1.87	1.88	1.57	1.66	83.9	88.2	40-160	5.5	30
Acrolein	mg/Kg	<0.040	0.187	0.188	0.194	0.219	104	116	40-160	12.1	30

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 85819-MS-L834955 L 85819-MSD-L834955

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acrylonitrile	mg/Kg	<0.040	0.187	0.188	0.161	0.181	86.0	96.2	40-160	11.6	30
Benzene	mg/Kg	<0.002	0.187	0.188	0.175	0.183	93.5	97.3	70-130	4.4	30
Bromobenzene	mg/Kg	<0.002	0.187	0.188	0.191	0.198	102	105	75-125	3.5	30
Bromochloromethane	mg/Kg	<0.002	0.187	0.188	0.185	0.194	98.9	103	65-135	4.7	30
Bromodichloromethane	mg/Kg	<0.002	0.187	0.188	0.192	0.199	103	106	75-125	3.5	30
Bromoform	mg/Kg	<0.002	0.187	0.188	0.170	0.181	90.9	96.2	70-130	6.2	30
Bromomethane	mg/Kg	<0.002	0.187	0.188	0.233	0.251	125	134	40-160	7.4	30
2-Butanone (MEK)	mg/Kg	<0.040	0.187	0.188	0.302	0.179	161*	95.2	40-160	51.1*	30
n-Butylbenzene	mg/Kg	<0.002	0.187	0.188	0.176	0.188	94.1	100	70-130	6.5	30
sec-Butyl benzene	mg/Kg	<0.002	0.187	0.188	0.190	0.198	102	105	70-130	4.1	30
tert-Butyl benzene	mg/Kg	<0.002	0.187	0.188	0.190	0.197	102	105	70-130	3.6	30
Carbon Disulfide	mg/Kg	<0.002	0.187	0.188	0.124	0.134	66.3	71.2	40-160	7.7	30
Carbon Tetrachloride	mg/Kg	<0.002	0.187	0.188	0.172	0.184	91.9	97.8	65-135	6.7	30
Chlorobenzene	mg/Kg	<0.002	0.187	0.188	0.193	0.200	103	106	80-120	3.5	30
Chlorodibromomethane	mg/Kg	<0.002	0.187	0.188	0.186	0.193	99.4	103	60-140	3.6	30
Chloroethane	mg/Kg	<0.002	0.187	0.188	0.183	0.189	97.8	101	60-140	3.2	30
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.187	0.188	0.139	0.147	74.3	78.1	40-160	5.5	30
Chloroform	mg/Kg	<0.002	0.187	0.188	0.180	0.188	96.2	100	80-120	4.3	30
Chloromethane	mg/Kg	<0.002	0.187	0.188	0.150	0.149	80.2	79.2	40-160	0.6	30
2-Chlorotoluene	mg/Kg	<0.002	0.187	0.188	0.183	0.193	97.8	103	75-125	5.3	30
4-Chlorotoluene	mg/Kg	<0.002	0.187	0.188	0.179	0.191	95.7	102	75-125	6.4	30
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.187	0.188	0.126	0.143	67.3	76.0	50-150	12.6	30
1,2-Dibromoethane	mg/Kg	<0.002	0.187	0.188	0.180	0.187	96.2	99.4	70-130	3.8	30
Dibromomethane	mg/Kg	<0.002	0.187	0.188	0.183	0.192	97.8	102	75-125	4.8	30
1,2-Dichlorobenzene	mg/Kg	<0.002	0.187	0.188	0.190	0.199	102	106	70-130	4.6	30
1,3-Dichlorobenzene	mg/Kg	<0.002	0.187	0.188	0.196	0.205	105	109	75-125	4.4	30

* QC Fail

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 85819-MS-L834955 L 85819-MSD-L834955

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,4-Dichlorobenzene	mg/Kg	<0.002	0.187	0.188	0.189	0.204	101	109	75-125	7.6	30
Dichlorodifluoromethane	mg/Kg	<0.002	0.187	0.188	0.060	0.062	32.5*	33.4*	40-160	3.3	30
1,1-Dichloroethane	mg/Kg	<0.002	0.187	0.188	0.172	0.177	91.9	94.1	70-130	2.8	30
1,2-Dichloroethane	mg/Kg	<0.002	0.187	0.188	0.198	0.206	106	110	70-130	3.9	30
1,1-Dichloroethene	mg/Kg	<0.002	0.187	0.188	0.147	0.156	78.6*	82.9	80-120	5.9	30
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.187	0.188	0.171	0.178	91.4	94.6	70-130	4.0	30
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.187	0.188	0.162	0.172	86.6	91.4	60-140	5.9	30
1,2-Dichloropropane	mg/Kg	<0.002	0.187	0.188	0.189	0.198	101	105	80-120	4.6	30
1,3-Dichloropropane	mg/Kg	<0.002	0.187	0.188	0.195	0.204	104	109	75-125	4.5	30
2,2-Dichloropropane	mg/Kg	<0.002	0.187	0.188	0.167	0.176	89.3	93.6	70-130	5.2	30
1,1-Dichloropropene	mg/Kg	<0.002	0.187	0.188	0.171	0.179	91.4	95.2	75-125	4.5	30
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.187	0.188	0.188	0.195	101	104	70-130	3.6	30
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.187	0.188	0.188	0.194	101	103	55-145	3.1	30
Ethyl Acetate	mg/Kg	<0.040	0.187	0.188	0.159	0.185	85.0	98.4	40-160	15.1	30
Ethylbenzene	mg/Kg	<0.002	0.187	0.188	0.194	0.203	104	108	80-120	4.5	30
Hexachlorobutadiene	mg/Kg	<0.002	0.187	0.188	0.167	0.171	89.3	90.9	50-150	2.3	30
2-Hexanone	mg/Kg	<0.010	0.187	0.188	0.166	0.179	88.7	95.2	50-150	7.5	30
Iodomethane	mg/Kg	<0.010	0.187	0.188	0.089	0.096	48.0	51.0	40-160	6.6	30
Isopropylbenzene	mg/Kg	<0.002	0.187	0.188	0.191	0.199	102	106	75-125	4.1	30
4-Isopropyl toluene	mg/Kg	<0.002	0.187	0.188	0.180	0.189	96.2	101	75-125	4.8	30
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.187	0.188	0.172	0.187	91.9	99.4	60-140	8.3	30
Methylene Chloride	mg/Kg	<0.040	0.187	0.188	0.175	0.183	93.5	97.3	55-145	4.4	30
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.187	0.188	0.175	0.184	93.5	97.8	65-135	5.0	30
m,p-Xylene	mg/Kg	<0.004	0.373	0.377	0.387	0.407	104	108	75-125	5.0	30
Naphthalene	mg/Kg	<0.010	0.187	0.188	0.114	0.127	60.9	67.5	55-145	10.7	30
o-Xylene	mg/Kg	<0.002	0.187	0.188	0.194	0.202	104	107	70-130	4.0	30

* QC Fail

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L834955
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835017
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 85819-MS-L834955 L 85819-MSD-L834955

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
n-Propylbenzene	mg/Kg	<0.002	0.187	0.188	0.182	0.192	97.3	102	70-130	5.3	30
Styrene	mg/Kg	<0.002	0.187	0.188	0.191	0.199	102	106	65-135	4.1	30
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.187	0.188	0.189	0.194	101	103	70-130	2.6	30
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.187	0.188	0.182	0.191	97.3	102	65-135	4.8	30
Tetrachloroethene	mg/Kg	<0.002	0.187	0.188	0.190	0.204	102	109	60-155	7.1	30
Toluene	mg/Kg	<0.010	0.187	0.188	0.184	0.194	98.3	103	80-120	5.2	30
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.187	0.188	0.122	0.129	65.2	68.6	60-140	5.5	30
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.187	0.188	0.135	0.144	72.1	76.5	65-135	6.4	30
1,1,1-Trichloroethane	mg/Kg	<0.002	0.187	0.188	0.177	0.189	94.6	101	65-135	6.5	30
1,1,2-Trichloroethane	mg/Kg	<0.002	0.187	0.188	0.193	0.201	103	107	75-125	4.0	30
Trichloroethene	mg/Kg	<0.002	0.187	0.188	0.179	0.190	95.7	101	70-130	5.9	30
Trichlorofluoromethane	mg/Kg	<0.002	0.187	0.188	0.166	0.174	88.7	92.5	60-140	4.7	30
1,2,3-Trichloropropane	mg/Kg	<0.002	0.187	0.188	0.176	0.189	94.1	101	75-125	7.1	30
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.187	0.188	0.184	0.191	98.3	102	75-125	3.7	30
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.187	0.188	0.191	0.200	102	106	75-125	4.6	30
Vinyl Acetate	mg/Kg	<0.040	0.187	0.188	0.266	0.277	142	147	40-160	4.0	30
Vinyl Chloride	mg/Kg	<0.002	0.187	0.188	0.152	0.157	81.2	83.5	80-120	3.2	30
4-Bromofluorobenzene (S)							107	109	60-130		
1,2-Dichloroethane - d4 (S)							108	107	60-132		
Toluene-d8 (S)							110	111	70-130		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L835196 Matrix: SOL
Associated Lab Samples: 85818

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetonitrile	mg/Kg	<0.100	0.100	08/21/25 15:23		
Acrolein	mg/Kg	<0.040	0.040	08/21/25 15:23		
Acrylonitrile	mg/Kg	<0.040	0.040	08/21/25 15:23		
Benzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Bromobenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Bromochloromethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
Bromodichloromethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
Bromoform	mg/Kg	<0.002	0.002	08/21/25 15:23		
Bromomethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
2-Butanone (MEK)	mg/Kg	<0.040	0.040	08/21/25 15:23		
n-Butylbenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
sec-Butyl benzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
tert-Butyl benzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Carbon Disulfide	mg/Kg	<0.002	0.002	08/21/25 15:23		
Carbon Tetrachloride	mg/Kg	<0.002	0.002	08/21/25 15:23		
Chlorobenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Chlorodibromomethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
Chloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.010	08/21/25 15:23		
Chloroform	mg/Kg	<0.002	0.002	08/21/25 15:23		
Chloromethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
2-Chlorotoluene	mg/Kg	<0.002	0.002	08/21/25 15:23		
4-Chlorotoluene	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.010	08/21/25 15:23		
1,2-Dibromoethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
Dibromomethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,2-Dichlorobenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L835196 Matrix: SOL
Associated Lab Samples: 85818

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
1,3-Dichlorobenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,4-Dichlorobenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Dichlorodifluoromethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,1-Dichloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,2-Dichloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,1-Dichloroethene	mg/Kg	<0.002	0.002	08/21/25 15:23		
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.002	08/21/25 15:23		
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,2-Dichloropropane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,3-Dichloropropane	mg/Kg	<0.002	0.002	08/21/25 15:23		
2,2-Dichloropropane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,1-Dichloropropene	mg/Kg	<0.002	0.002	08/21/25 15:23		
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.002	08/21/25 15:23		
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Ethyl Acetate	mg/Kg	<0.040	0.040	08/21/25 15:23		
Ethylbenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Hexachlorobutadiene	mg/Kg	<0.002	0.002	08/21/25 15:23		
2-Hexanone	mg/Kg	<0.010	0.010	08/21/25 15:23		
Iodomethane	mg/Kg	<0.010	0.010	08/21/25 15:23		
Isopropylbenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
4-Isopropyl toluene	mg/Kg	<0.002	0.002	08/21/25 15:23		
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.010	08/21/25 15:23		
Methylene Chloride	mg/Kg	<0.040	0.040	08/21/25 15:23		
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.002	08/21/25 15:23		
m,p-Xylene	mg/Kg	<0.004	0.004	08/21/25 15:23		
Naphthalene	mg/Kg	<0.010	0.010	08/21/25 15:23		
o-Xylene	mg/Kg	<0.002	0.002	08/21/25 15:23		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L835196 Matrix: SOL
Associated Lab Samples: 85818

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
n-Propylbenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Styrene	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
Tetrachloroethene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Toluene	mg/Kg	<0.010	0.010	08/21/25 15:23		
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.010	08/21/25 15:23		
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.010	08/21/25 15:23		
1,1,1-Trichloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,1,2-Trichloroethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
Trichloroethene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Trichlorofluoromethane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,2,3-Trichloropropane	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.002	08/21/25 15:23		
Vinyl Acetate	mg/Kg	<0.040	0.040	08/21/25 15:23		
Vinyl Chloride	mg/Kg	<0.002	0.002	08/21/25 15:23		
4-Bromofluorobenzene (S)				08/21/25 15:23	105	60-130
1,2-Dichloroethane - d4 (S)				08/21/25 15:23	102	60-132
Toluene-d8 (S)				08/21/25 15:23	109	70-130

Laboratory Control Sample LCS-L835196

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Acetonitrile	mg/Kg	2.00	2.17	109	40-160
Acrolein	mg/Kg	0.200	0.148	74.0	40-160
Acrylonitrile	mg/Kg	0.200	0.147	73.5	40-160

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L835196

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Benzene	mg/Kg	0.200	0.221	111	70-130
Bromobenzene	mg/Kg	0.200	0.226	113	75-125
Bromochloromethane	mg/Kg	0.200	0.231	116	65-135
Bromodichloromethane	mg/Kg	0.200	0.223	112	75-125
Bromoform	mg/Kg	0.200	0.204	102	70-130
Bromomethane	mg/Kg	0.200	0.312	156	40-160
2-Butanone (MEK)	mg/Kg	0.200	0.211	106	40-160
n-Butylbenzene	mg/Kg	0.200	0.225	113	70-130
sec-Butyl benzene	mg/Kg	0.200	0.228	114	70-130
tert-Butyl benzene	mg/Kg	0.200	0.223	112	70-130
Carbon Disulfide	mg/Kg	0.200	0.243	122	40-160
Carbon Tetrachloride	mg/Kg	0.200	0.239	120	65-135
Chlorobenzene	mg/Kg	0.200	0.224	112	80-120
Chlorodibromomethane	mg/Kg	0.200	0.213	107	60-140
Chloroethane	mg/Kg	0.200	0.241	121	60-140
2-Chloroethylvinyl Ether	mg/Kg	0.200	0.156	78.0	40-160
Chloroform	mg/Kg	0.200	0.218	109	80-120
Chloromethane	mg/Kg	0.200	0.276	138	40-160
2-Chlorotoluene	mg/Kg	0.200	0.217	109	75-125
4-Chlorotoluene	mg/Kg	0.200	0.217	109	75-125
1,2-Dibromo-3-Chloropropane	mg/Kg	0.200	0.154	77.0	50-150
1,2-Dibromoethane	mg/Kg	0.200	0.209	105	70-130
Dibromomethane	mg/Kg	0.200	0.214	107	75-125
1,2-Dichlorobenzene	mg/Kg	0.200	0.225	113	70-130
1,3-Dichlorobenzene	mg/Kg	0.200	0.237	119	75-125
1,4-Dichlorobenzene	mg/Kg	0.200	0.234	117	75-125
Dichlorodifluoromethane	mg/Kg	0.200	0.206	103	40-160

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L835196

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,1-Dichloroethane	mg/Kg	0.200	0.226	113	70-130
1,2-Dichloroethane	mg/Kg	0.200	0.236	118	70-130
1,1-Dichloroethene	mg/Kg	0.200	0.236	118	80-120
cis-1,2-Dichloroethene	mg/Kg	0.200	0.213	107	70-130
trans-1,2-Dichloroethene	mg/Kg	0.200	0.242	121	60-140
1,2-Dichloropropane	mg/Kg	0.200	0.224	112	80-120
1,3-Dichloropropane	mg/Kg	0.200	0.229	115	75-125
2,2-Dichloropropane	mg/Kg	0.200	0.234	117	70-130
1,1-Dichloropropene	mg/Kg	0.200	0.234	117	75-125
cis-1,3-Dichloropropene	mg/Kg	0.200	0.223	112	70-130
trans-1,3-Dichloropropene	mg/Kg	0.200	0.221	111	55-145
Ethyl Acetate	mg/Kg	0.200	0.195	97.5	40-160
Ethylbenzene	mg/Kg	0.200	0.229	115	80-120
Hexachlorobutadiene	mg/Kg	0.200	0.197	98.5	50-150
2-Hexanone	mg/Kg	0.200	0.202	101	50-150
Iodomethane	mg/Kg	0.200	0.146	73.0	40-160
Isopropylbenzene	mg/Kg	0.200	0.224	112	75-125
4-Isopropyl toluene	mg/Kg	0.200	0.219	110	75-125
4-Methyl-2-Pentanone	mg/Kg	0.200	0.208	104	60-140
Methylene Chloride	mg/Kg	0.200	0.237	119	55-145
Methyl tert-butyl ether (MTBE)	mg/Kg	0.200	0.214	107	65-135
m,p-Xylene	mg/Kg	0.400	0.465	116	75-125
Naphthalene	mg/Kg	0.200	0.135	67.5	55-145
o-Xylene	mg/Kg	0.200	0.227	114	70-130
n-Propylbenzene	mg/Kg	0.200	0.219	110	70-130
Styrene	mg/Kg	0.200	0.224	112	65-135
1,1,1,2-Tetrachloroethane	mg/Kg	0.200	0.215	108	70-130

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample LCS-L835196

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
1,1,2,2-Tetrachloroethane	mg/Kg	0.200	0.216	108	65-135
Tetrachloroethene	mg/Kg	0.200	0.239	120	45-155
Toluene	mg/Kg	0.200	0.219	110	80-120
1,2,3-Trichlorobenzene	mg/Kg	0.200	0.143	71.5	60-140
1,2,4-Trichlorobenzene	mg/Kg	0.200	0.163	81.5	65-135
1,1,1-Trichloroethane	mg/Kg	0.200	0.235	118	65-135
1,1,2-Trichloroethane	mg/Kg	0.200	0.220	110	75-125
Trichloroethene	mg/Kg	0.200	0.227	114	70-130
Trichlorofluoromethane	mg/Kg	0.200	0.228	114	60-140
1,2,3-Trichloropropane	mg/Kg	0.200	0.218	109	75-125
1,2,4-Trimethylbenzene	mg/Kg	0.200	0.219	110	75-125
1,3,5-Trimethylbenzene	mg/Kg	0.200	0.225	113	75-125
Vinyl Acetate	mg/Kg	0.200	0.252	126	40-160
Vinyl Chloride	mg/Kg	0.200	0.232	116	80-120
4-Bromofluorobenzene (S)				110	60-130
1,2-Dichloroethane - d4 (S)				107	60-132
Toluene-d8 (S)				111	70-130

Matrix Spike & Matrix Spike Duplicate L 87198-MS-L835196 L 87198-MSD-L835196

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Acetonitrile	mg/Kg	<0.100	1.78	1.95	1.83	1.99	103	102	40-160	8.3	30
Acrolein	mg/Kg	<0.040	0.178	0.195	<0.010	<0.010	0.0*	0.0*	40-160	0.0	30
Acrylonitrile	mg/Kg	<0.040	0.178	0.195	0.109	0.116	61.2	59.4	40-160	6.2	30
Benzene	mg/Kg	<0.002	0.178	0.195	0.208	0.230	117	118	70-130	10.0	30
Bromobenzene	mg/Kg	<0.002	0.178	0.195	0.193	0.207	108	106	75-125	7.0	30

* QC Fail

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 87198-MS-L835196 L 87198-MSD-L835196

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Bromochloromethane	mg/Kg	<0.002	0.178	0.195	0.212	0.227	119	116	65-135	6.8	30
Bromodichloromethane	mg/Kg	<0.002	0.178	0.195	0.201	0.218	113	112	75-125	8.1	30
Bromoform	mg/Kg	<0.002	0.178	0.195	0.166	0.180	93.2	92.3	70-130	8.0	30
Bromomethane	mg/Kg	<0.002	0.178	0.195	0.260	0.296	146	152	40-160	12.9	30
2-Butanone (MEK)	mg/Kg	<0.040	0.178	0.195	0.151	0.152	84.8	77.9	40-160	0.6	30
n-Butylbenzene	mg/Kg	<0.002	0.178	0.195	0.171	0.189	96.0	96.9	70-130	10.0	30
sec-Butyl benzene	mg/Kg	<0.002	0.178	0.195	0.186	0.206	104	106	70-130	10.2	30
tert-Butyl benzene	mg/Kg	<0.002	0.178	0.195	0.191	0.210	107	108	70-130	9.4	30
Carbon Disulfide	mg/Kg	<0.002	0.178	0.195	0.188	0.209	106	107	40-160	10.5	30
Carbon Tetrachloride	mg/Kg	<0.002	0.178	0.195	0.211	0.238	119	122	65-135	12.0	30
Chlorobenzene	mg/Kg	<0.002	0.178	0.195	0.201	0.218	113	112	80-120	8.1	30
Chlorodibromomethane	mg/Kg	<0.002	0.178	0.195	0.187	0.201	105	103	60-140	7.2	30
Chloroethane	mg/Kg	<0.002	0.178	0.195	0.202	0.231	113	118	60-140	13.3	30
2-Chloroethylvinyl Ether	mg/Kg	<0.010	0.178	0.195	0.023	0.027	13.3*	14.1*	40-160	15.2	30
Chloroform	mg/Kg	<0.002	0.178	0.195	0.205	0.225	115	115	80-120	9.3	30
Chloromethane	mg/Kg	<0.002	0.178	0.195	0.222	0.248	125	127	40-160	11.0	30
2-Chlorotoluene	mg/Kg	<0.002	0.178	0.195	0.191	0.206	107	106	75-125	7.5	30
4-Chlorotoluene	mg/Kg	<0.002	0.178	0.195	0.188	0.201	106	103	75-125	6.6	30
1,2-Dibromo-3-Chloropropane	mg/Kg	<0.010	0.178	0.195	0.110	0.121	61.7	62.0	50-150	9.5	30
1,2-Dibromoethane	mg/Kg	<0.002	0.178	0.195	0.182	0.186	102	95.3	70-130	2.1	30
Dibromomethane	mg/Kg	<0.002	0.178	0.195	0.191	0.201	107	103	75-125	5.1	30
1,2-Dichlorobenzene	mg/Kg	<0.002	0.178	0.195	0.186	0.194	104	99.4	70-130	4.2	30
1,3-Dichlorobenzene	mg/Kg	<0.002	0.178	0.195	0.197	0.208	111	107	75-125	5.4	30
1,4-Dichlorobenzene	mg/Kg	<0.002	0.178	0.195	0.193	0.205	108	105	75-125	6.0	30
Dichlorodifluoromethane	mg/Kg	<0.002	0.178	0.195	0.158	0.177	88.7	90.7	40-160	11.3	30
1,1-Dichloroethane	mg/Kg	<0.002	0.178	0.195	0.209	0.237	117	122	70-130	12.5	30

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 87198-MS-L835196 L 87198-MSD-L835196

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,2-Dichloroethane	mg/Kg	<0.002	0.178	0.195	0.215	0.229	121	117	70-130	6.3	30
1,1-Dichloroethene	mg/Kg	<0.002	0.178	0.195	0.205	0.230	115	118	80-120	11.4	30
cis-1,2-Dichloroethene	mg/Kg	<0.002	0.178	0.195	0.197	0.218	111	112	70-130	10.1	30
trans-1,2-Dichloroethene	mg/Kg	<0.002	0.178	0.195	0.215	0.240	121	123	60-140	10.9	30
1,2-Dichloropropane	mg/Kg	<0.002	0.178	0.195	0.203	0.222	114	114	80-120	8.9	30
1,3-Dichloropropane	mg/Kg	<0.002	0.178	0.195	0.205	0.212	115	109	75-125	3.3	30
2,2-Dichloropropane	mg/Kg	<0.002	0.178	0.195	0.180	0.203	101	104	70-130	12.0	30
1,1-Dichloropropene	mg/Kg	<0.002	0.178	0.195	0.211	0.235	119	121	75-125	10.7	30
cis-1,3-Dichloropropene	mg/Kg	<0.002	0.178	0.195	0.188	0.202	106	104	70-130	7.1	30
trans-1,3-Dichloropropene	mg/Kg	<0.002	0.178	0.195	0.186	0.195	104	100	55-145	4.7	30
Ethyl Acetate	mg/Kg	<0.040	0.178	0.195	0.023	0.013	13.3*	7.1*	40-160	52.5*	30
Ethylbenzene	mg/Kg	<0.002	0.178	0.195	0.207	0.228	116	117	80-120	9.6	30
Hexachlorobutadiene	mg/Kg	<0.002	0.178	0.195	0.120	0.134	67.4	68.7	50-150	11.0	30
2-Hexanone	mg/Kg	<0.010	0.178	0.195	0.133	0.130	74.7	66.6	50-150	2.2	30
Iodomethane	mg/Kg	<0.010	0.178	0.195	0.127	0.154	71.3	78.9	40-160	19.2	30
Isopropylbenzene	mg/Kg	<0.002	0.178	0.195	0.202	0.222	113	114	75-125	9.4	30
4-Isopropyl toluene	mg/Kg	<0.002	0.178	0.195	0.175	0.192	98.3	98.4	75-125	9.2	30
4-Methyl-2-Pentanone	mg/Kg	<0.010	0.178	0.195	0.165	0.167	92.6	85.6	60-140	1.2	30
Methylene Chloride	mg/Kg	<0.040	0.178	0.195	0.218	0.238	122	122	55-145	8.7	30
Methyl tert-butyl ether (MTBE)	mg/Kg	<0.002	0.178	0.195	0.193	0.204	108	105	65-135	5.5	30
m,p-Xylene	mg/Kg	<0.004	0.357	0.390	0.413	0.453	116	116	75-125	9.2	30
Naphthalene	mg/Kg	<0.010	0.178	0.195	0.087	0.097	49.1*	50.0*	55-145	11.0	30
o-Xylene	mg/Kg	<0.002	0.178	0.195	0.204	0.223	115	114	70-130	8.8	30
n-Propylbenzene	mg/Kg	<0.002	0.178	0.195	0.202	0.210	113	108	70-130	3.8	30
Styrene	mg/Kg	<0.002	0.178	0.195	0.178	0.191	100	97.9	65-135	7.0	30
1,1,1,2-Tetrachloroethane	mg/Kg	<0.002	0.178	0.195	0.192	0.212	108	109	70-130	9.9	30

* QC Fail

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 202503 - Adcox 1405 HB
Report No: 25-227-0013

QC Prep: L835196
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835213
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate L 87198-MS-L835196 L 87198-MSD-L835196

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
1,1,2,2-Tetrachloroethane	mg/Kg	<0.002	0.178	0.195	0.178	0.190	100	97.4	65-135	6.5	30
Tetrachloroethene	mg/Kg	<0.002	0.178	0.195	0.216	0.230	121	118	60-155	6.2	30
Toluene	mg/Kg	<0.010	0.178	0.195	0.201	0.219	113	112	80-120	8.5	30
1,2,3-Trichlorobenzene	mg/Kg	<0.010	0.178	0.195	0.091	0.100	51.5*	51.2*	60-140	8.6	30
1,2,4-Trichlorobenzene	mg/Kg	<0.010	0.178	0.195	0.113	0.123	63.4*	63.0*	65-135	8.4	30
1,1,1-Trichloroethane	mg/Kg	<0.002	0.178	0.195	0.218	0.246	122	126	65-135	12.0	30
1,1,2-Trichloroethane	mg/Kg	<0.002	0.178	0.195	0.197	0.205	111	105	75-125	3.9	30
Trichloroethene	mg/Kg	<0.002	0.178	0.195	0.201	0.224	113	115	70-130	10.8	30
Trichlorofluoromethane	mg/Kg	<0.002	0.178	0.195	0.186	0.210	104	108	60-140	12.1	30
1,2,3-Trichloropropane	mg/Kg	<0.002	0.178	0.195	0.170	0.182	95.5	93.3	75-125	6.8	30
1,2,4-Trimethylbenzene	mg/Kg	<0.002	0.178	0.195	0.188	0.205	106	105	75-125	8.6	30
1,3,5-Trimethylbenzene	mg/Kg	<0.002	0.178	0.195	0.196	0.213	110	109	75-125	8.3	30
Vinyl Acetate	mg/Kg	<0.040	0.178	0.195	0.171	0.183	96.0	93.8	40-160	6.7	30
Vinyl Chloride	mg/Kg	<0.002	0.178	0.195	0.180	0.208	101	107	80-120	14.4	30
4-Bromofluorobenzene (S)							108	106	60-130		
1,2-Dichloroethane - d4 (S)							112	103	60-132		
Toluene-d8 (S)							111	109	70-130		

* QC Fail

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L835253
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835267
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L835253 Matrix: SOL
Associated Lab Samples: 85814, 85816

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<4.00	4.00	08/21/25 15:55		
4-Bromofluorobenzene (S)				08/21/25 15:55	116	50-150
1,2-Dichloroethane - d4 (S)				08/21/25 15:55	121	50-150
Toluene-d8 (S)				08/21/25 15:55	119	50-150

Laboratory Control Sample & LCSD LCS-L835253 LCSD-L835253

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	20.0	17.4	19.1	87.0	95.5	60-160	9.3	30
4-Bromofluorobenzene (S)					102	99.6	50-150		
1,2-Dichloroethane - d4 (S)					112	109	50-150		
Toluene-d8 (S)					102	99.0	50-150		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **202503 - Adcox 1405 HB**
Report No: **25-227-0013**

QC Prep: L835760
QC Prep Batch Method: 5030A
QC Analytical Batch(es): L835761
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L835760 Matrix: SOL
Associated Lab Samples: 85818

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	mg/Kg	<4.00	4.00	08/22/25 13:33		
4-Bromofluorobenzene (S)				08/22/25 13:33	106	50-150
1,2-Dichloroethane - d4 (S)				08/22/25 13:33	113	50-150
Toluene-d8 (S)				08/22/25 13:33	110	50-150

Laboratory Control Sample & LCSD LCS-L835760 LCSD-L835760

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	mg/Kg	20.0	19.4	21.4	97.0	107	60-160	9.8	30
4-Bromofluorobenzene (S)					91.7	95.7	50-150		
1,2-Dichloroethane - d4 (S)					98.2	107	50-150		
Toluene-d8 (S)					92.7	95.8	50-150		

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Shipment Receipt Form

Customer Number: **32974**
Customer Name: **Partlow Geological, LLC**
Report Number: **25-227-0013**

Shipping Method

○ Fed Ex	○ US Postal	○ Lab	○ Other :	
◉ UPS	○ Client	○ Courier	Thermometer ID:	T212

Shipping container/cooler uncompromised?	◉ Yes	○ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	◉ Not Present
Custody seals intact on sample bottles?	○ Yes	○ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	○ No	
COC agrees with sample label(s)?	◉ Yes	○ No	
COC properly completed	◉ Yes	○ No	
Samples in proper containers?	◉ Yes	○ No	
Sample containers intact?	◉ Yes	○ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	○ No	
All samples received within holding time?	◉ Yes	○ No	
Cooler temperature in compliance?	◉ Yes	○ No	○ Not Present
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	○ No	
Water - Sample containers properly preserved	○ Yes	○ No	◉ N/A
Water - VOA vials free of headspace	○ Yes	○ No	◉ N/A
Trip Blanks received with VOAs	○ Yes	○ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	◉ No

Comments:

Signature: Angela Mckinney Date & Time: 08/15/2025 10:47:09

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
Partlow Geological	Kristin Fair	Partlow Geological Jack Partlow	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
202503 - Adcox 1405 HB	Tuscaloosa, AL 35401	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☑ UPS ☐ USPS ☐ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
202503	(205) 765-9397	kristin@partlowgeological.com		

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Unless noted, all containers per Table II of 40 CFR Part 136.

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	Required Analysis / Preservative: RCRA 8	VOC								Comments/Notes
8/14	8:25	BH-1.1	2	S	G	✔	✔								
8/14	8:~~25~~ 30	BH-1.2	2	S	G	✔	✔								
8/14	9:20	BH-2.3	2	S	G	✔	✔								
8/14	9:50	BH-2.4	2	S	G	✔	✔								
8/14	10:15	BH-3.5	2	S	G	✔	✔								
8/14	10:40	BH-3.6	2	S	G	✔	✔								
8/14	12:10	~~BH-4.6~~ BH-4.7	2	S	G	✔	✔								
8/14	12:30	BH-4.8	2	S	G	✔	✔								
8/14	12:50	BH-5.9	2	S	G	✔	✔								
8/14	13:20	BH-5.10	2	S	G	✔	✔								

25-227-0013
32974
08-15-2025
10:43:59
Partlow Geological, LLC
202503 - Adcox

For Laboratory Use Only			Sampled by (Name – Print)	Client Remarks/Comments
Ice: O / N	Custody Seals: Y / (N)	Lab Comments	Kristin Fair	

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	8/14/25 1645		8/14/25 1675
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	8/14/25 1720		
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
			8-15-25 955

Blank/Cooler Temp: 1.1 T212 IR

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10/1/2025

Partlow Geological, LLC
Ms. Kristin Fair
2314 University Blvd.
Tuscaloosa, AL, 35401

Ref: Analytical Testing
Lab Report Number: 25-252-0043
Client Project Description: 201401-Adcox
Project #201401

Dear Ms. Kristin Fair:
Waypoint Analytical, LLC. received sample(s) on 9/9/2025 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Andrea R Brownfield
Project manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC. (Memphis), Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	11/04/2025
Arkansas	State Program	88-00650	02/06/2026
California	State Program	2904	06/30/2026
Florida	State Program - NELAP	E871157	06/30/2026
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2025
Illinois	State Program - NELAP	200078	10/31/2026
Kentucky	State Program	KY90047	12/31/2025
Kentucky	State Program	80215	06/30/2026
Kentucky	State Program	KY90047	12/31/2025
Louisiana	State Program - NELAP	LA037	12/31/2025
Louisiana	State Program - NELAP	04015	06/30/2026
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2026
North Carolina	State Program	415	12/31/2025
Oklahoma	State Program - NELAP	9311	12/31/2025
Pennsylvania	State Program - NELAP	68-03195	05/31/2026
South Carolina	State Program	84002	06/30/2025
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2026
Virginia	State Program	00106	06/30/2026
Virginia	State Program - NELAP	460181	09/14/2026

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Sample Summary Table

Report Number: **25-252-0043**

Client Project Description: **201401-Adcox**
Project #201401

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
97838	TMW-1 Adcox	Aqueous	09/04/2025 15:20	09/09/2025
97839	TMW-2 Adcox	Aqueous	09/04/2025 15:30	09/09/2025
97840	TMW-3 Adcox	Aqueous	09/04/2025 15:40	09/09/2025
97841	TMW-4 Adcox	Aqueous	09/04/2025 15:50	09/09/2025
97842	TMW-5 Adcox	Aqueous	09/04/2025 16:00	09/09/2025

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Client: Partlow Geological, LLC
Project: 201401-Adcox
Lab Report Number: 25-252-0043
Date: 10/1/2025

CASE NARRATIVE

Metals Analysis Method 6010D
Sample 97838 (TMW-1 Adcox)
Analyte: Silver
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Silver
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Silver
QC Batch No: L839155/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Silver
QC Batch No: L842055/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97838 (TMW-1 Adcox)
Analyte: Arsenic
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Arsenic
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97838 (TMW-1 Adcox)
Analyte: Barium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Barium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97838 (TMW-1 Adcox)
Analyte: Cadmium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

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Sample 97839 (TMW-2 Adcox)
Analyte: Cadmium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97838 (TMW-1 Adcox)
Analyte: Chromium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Chromium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97838 (TMW-1 Adcox)
Analyte: Lead
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Lead
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97838 (TMW-1 Adcox)
Analyte: Selenium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Selenium
QC Batch No: L839020/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Sample 97839 (TMW-2 Adcox)
Analyte: Selenium
QC Batch No: L839155/L838599
This analyte was analyzed at a dilution due to IEC interference/matrix interference.

Volatile Organic Compounds - GC/MS Method 8260B
Analyte: 2-Chloroethyl vinyl ether
QC Batch No: L839302/L839268
This target analyte was flagged for recoveries outside QC limits in the associated LCS/LCSD. Data for this analyte is flagged "M" to indicate that results should be considered minimum concentration due to the potential for a low bias.

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Project 201401-Adcox

Information : Project #201401

Report Date : 10/01/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **TMW-1 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**0.383**	mg/L	0.100	10	09/12/25 16:08	SML	6010D
Barium	**0.840**	mg/L	0.100	10	09/12/25 16:08	SML	6010D
Cadmium	<0.0200	mg/L	0.0200	10	09/12/25 16:08	SML	6010D
Chromium	**2.88**	mg/L	0.0500	10	09/12/25 16:08	SML	6010D
Lead	**0.501**	mg/L	0.0600	10	09/12/25 16:08	SML	6010D
Mercury	**0.00182**	mg/L	0.00020	1	09/11/25 16:08	JW2	7470A
Selenium	<0.100	mg/L	0.100	10	09/12/25 16:08	SML	6010D
Silver	<0.0500	mg/L	0.0500	10	09/12/25 16:08	SML	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **TMW-1 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:20**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**32.3**	µg/L	20.0	1	09/14/25 14:43	ELM	L839302
Acetonitrile	<50.0	µg/L	50.0	1	09/14/25 14:43	ELM	L839302
Acrolein	<20.0	µg/L	20.0	1	09/14/25 14:43	ELM	L839302
Acrylonitrile	<20.0	µg/L	20.0	1	09/14/25 14:43	ELM	L839302
Benzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Bromobenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Bromochloromethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Bromodichloromethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Bromoform	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Bromomethane	<2.00	µg/L	2.00	1	09/14/25 14:43	ELM	L839302
2-Butanone (MEK)	<20.0	µg/L	20.0	1	09/14/25 14:43	ELM	L839302
n-Butylbenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
sec-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
tert-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Carbon Disulfide	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Carbon Tetrachloride	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Chlorobenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Chlorodibromomethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Chloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
2-Chloroethylvinyl Ether	<5.00 M	µg/L	5.00	1	09/14/25 14:43	ELM	L839302
Chloroform	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Chloromethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Project manager

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REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **TMW-1 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:20**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
4-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,2-Dibromo-3-Chloropropane	<2.00	µg/L	2.00	1	09/14/25 14:43	ELM	L839302
1,2-Dibromoethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Dibromomethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,2-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Dichlorodifluoromethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,1-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,2-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,1-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
cis-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,2-Dichloroethene (Total)	<1.00	µg/L	1.00	1	09/14/25 14:43		L839302
1,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,3-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
2,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,1-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Ethyl Acetate	<10.0	µg/L	10.0	1	09/14/25 14:43	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Project 201401-Adcox

Information : Project #201401

Report Date : 10/01/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **TMW-1 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:20**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Hexachlorobutadiene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
2-Hexanone	<5.00	µg/L	5.00	1	09/14/25 14:43	ELM	L839302
Iodomethane	<5.00	µg/L	5.00	1	09/14/25 14:43	ELM	L839302
Isopropylbenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
4-Isopropyl toluene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
4-Methyl-2-Pentanone	<5.00	µg/L	5.00	1	09/14/25 14:43	ELM	L839302
Methylene Chloride	<5.00	µg/L	5.00	1	09/14/25 14:43	ELM	L839302
Methyl tert-butyl ether (MTBE)	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
m,p-Xylene	<2.00	µg/L	2.00	1	09/14/25 14:43	ELM	L839302
Naphthalene	<5.00	µg/L	5.00	1	09/14/25 14:43	ELM	L839302
o-Xylene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
n-Propylbenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Styrene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,1,1,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Tetrachloroethene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Toluene	<2.00	µg/L	2.00	1	09/14/25 14:43	ELM	L839302
1,2,3-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 14:43	ELM	L839302
1,2,4-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 14:43	ELM	L839302
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **TMW-1 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:20**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Trichlorofluoromethane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,2,3-Trichloropropane	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Vinyl Acetate	<10.0	µg/L	10.0	1	09/14/25 14:43	ELM	L839302
Vinyl Chloride	<1.00	µg/L	1.00	1	09/14/25 14:43	ELM	L839302
Xylene (Total)	<1.00	µg/L	1.00	1	09/14/25 14:43		L839302
Surrogate: 4-Bromofluorobenzene	86.8		Limits: 71-137%	1	09/14/25 14:43	ELM	L839302
Surrogate: Dibromofluoromethane	92.0		Limits: 70-128%	1	09/14/25 14:43	ELM	L839302
Surrogate: 1,2-Dichloroethane - d4	97.4		Limits: 63-136%	1	09/14/25 14:43	ELM	L839302
Surrogate: Toluene-d8	82.8		Limits: 70-130%	1	09/14/25 14:43	ELM	L839302

Qualifiers/ Definitions

DF Dilution Factor
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Report Date : 10/01/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **TMW-2 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**1.30**	mg/L	0.100	10	09/12/25 16:18	SML	6010D
Barium	**0.486**	mg/L	0.100	10	09/12/25 16:18	SML	6010D
Cadmium	**0.0850**	mg/L	0.0200	10	09/12/25 16:18	SML	6010D
Chromium	**5.70**	mg/L	0.0500	10	09/12/25 16:18	SML	6010D
Lead	**0.618**	mg/L	0.0600	10	09/12/25 16:18	SML	6010D
Mercury	**0.00146**	mg/L	0.00020	1	09/11/25 16:09	JW2	7470A
Selenium	<0.200	mg/L	0.200	20	09/14/25 21:28	SML	6010D
Silver	<0.250	mg/L	0.250	50	09/30/25 07:04	SML	6010D

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **TMW-2 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<20.0	µg/L	20.0	1	09/14/25 15:04	ELM	L839302
Acetonitrile	<50.0	µg/L	50.0	1	09/14/25 15:04	ELM	L839302
Acrolein	<20.0	µg/L	20.0	1	09/14/25 15:04	ELM	L839302
Acrylonitrile	<20.0	µg/L	20.0	1	09/14/25 15:04	ELM	L839302
Benzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Bromobenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Bromochloromethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Bromodichloromethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Bromoform	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Bromomethane	<2.00	µg/L	2.00	1	09/14/25 15:04	ELM	L839302
2-Butanone (MEK)	<20.0	µg/L	20.0	1	09/14/25 15:04	ELM	L839302
n-Butylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
sec-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
tert-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Carbon Disulfide	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Carbon Tetrachloride	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Chlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Chlorodibromomethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Chloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
2-Chloroethylvinyl Ether	<5.00 M	µg/L	5.00	1	09/14/25 15:04	ELM	L839302
Chloroform	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Chloromethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302

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MQL Method Quantitation Limit
M Minimum value

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REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **TMW-2 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
4-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,2-Dibromo-3-Chloropropane	<2.00	µg/L	2.00	1	09/14/25 15:04	ELM	L839302
1,2-Dibromoethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Dibromomethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,2-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Dichlorodifluoromethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,1-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,2-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,1-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
cis-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,2-Dichloroethene (Total)	<1.00	µg/L	1.00	1	09/14/25 15:04		L839302
1,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,3-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
2,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,1-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Ethyl Acetate	<10.0	µg/L	10.0	1	09/14/25 15:04	ELM	L839302

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Project 201401-Adcox
Information : Project #201401

Report Date : 10/01/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **TMW-2 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Hexachlorobutadiene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
2-Hexanone	<5.00	µg/L	5.00	1	09/14/25 15:04	ELM	L839302
Iodomethane	<5.00	µg/L	5.00	1	09/14/25 15:04	ELM	L839302
Isopropylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
4-Isopropyl toluene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
4-Methyl-2-Pentanone	<5.00	µg/L	5.00	1	09/14/25 15:04	ELM	L839302
Methylene Chloride	<5.00	µg/L	5.00	1	09/14/25 15:04	ELM	L839302
Methyl tert-butyl ether (MTBE)	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
m,p-Xylene	<2.00	µg/L	2.00	1	09/14/25 15:04	ELM	L839302
Naphthalene	<5.00	µg/L	5.00	1	09/14/25 15:04	ELM	L839302
o-Xylene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
n-Propylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Styrene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,1,1,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Tetrachloroethene	**169**	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Toluene	<2.00	µg/L	2.00	1	09/14/25 15:04	ELM	L839302
1,2,3-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 15:04	ELM	L839302
1,2,4-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 15:04	ELM	L839302
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302

Qualifiers/ Definitions
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Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **TMW-2 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:30**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Trichlorofluoromethane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,2,3-Trichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Vinyl Acetate	<10.0	µg/L	10.0	1	09/14/25 15:04	ELM	L839302
Vinyl Chloride	<1.00	µg/L	1.00	1	09/14/25 15:04	ELM	L839302
Xylene (Total)	<1.00	µg/L	1.00	1	09/14/25 15:04		L839302
Surrogate: 4-Bromofluorobenzene	85.4		Limits: 71-137%	1	09/14/25 15:04	ELM	L839302
Surrogate: Dibromofluoromethane	90.2		Limits: 70-128%	1	09/14/25 15:04	ELM	L839302
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%	1	09/14/25 15:04	ELM	L839302
Surrogate: Toluene-d8	82.6		Limits: 70-130%	1	09/14/25 15:04	ELM	L839302

Qualifiers/ Definitions

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **TMW-3 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	<0.0100	mg/L	0.0100	1	09/11/25 23:30	SML	6010D
Barium	**0.0590**	mg/L	0.0100	1	09/11/25 23:30	SML	6010D
Cadmium	<0.0020	mg/L	0.0020	1	09/11/25 23:30	SML	6010D
Chromium	**0.0072**	mg/L	0.0050	1	09/11/25 23:30	SML	6010D
Lead	<0.0060	mg/L	0.0060	1	09/11/25 23:30	SML	6010D
Mercury	<0.00020	mg/L	0.00020	1	09/11/25 16:11	JW2	7470A
Selenium	<0.0100	mg/L	0.0100	1	09/11/25 23:30	SML	6010D
Silver	<0.0050	mg/L	0.0050	1	09/11/25 23:30	SML	6010D

Qualifiers/ Definitions

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Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **TMW-3 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:40**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<20.0	µg/L	20.0	1	09/14/25 15:25	ELM	L839302
Acetonitrile	<50.0	µg/L	50.0	1	09/14/25 15:25	ELM	L839302
Acrolein	<20.0	µg/L	20.0	1	09/14/25 15:25	ELM	L839302
Acrylonitrile	<20.0	µg/L	20.0	1	09/14/25 15:25	ELM	L839302
Benzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Bromobenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Bromochloromethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Bromodichloromethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Bromoform	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Bromomethane	<2.00	µg/L	2.00	1	09/14/25 15:25	ELM	L839302
2-Butanone (MEK)	<20.0	µg/L	20.0	1	09/14/25 15:25	ELM	L839302
n-Butylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
sec-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
tert-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Carbon Disulfide	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Carbon Tetrachloride	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Chlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Chlorodibromomethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Chloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
2-Chloroethylvinyl Ether	<5.00 M	µg/L	5.00	1	09/14/25 15:25	ELM	L839302
Chloroform	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Chloromethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302

Qualifiers/ Definitions
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REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **TMW-3 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:40**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
4-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,2-Dibromo-3-Chloropropane	<2.00	µg/L	2.00	1	09/14/25 15:25	ELM	L839302
1,2-Dibromoethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Dibromomethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,2-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Dichlorodifluoromethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,1-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,2-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,1-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
cis-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,2-Dichloroethene (Total)	<1.00	µg/L	1.00	1	09/14/25 15:25		L839302
1,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,3-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
2,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,1-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Ethyl Acetate	<10.0	µg/L	10.0	1	09/14/25 15:25	ELM	L839302

Qualifiers/ Definitions
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REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **TMW-3 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:40**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Hexachlorobutadiene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
2-Hexanone	<5.00	µg/L	5.00	1	09/14/25 15:25	ELM	L839302
Iodomethane	<5.00	µg/L	5.00	1	09/14/25 15:25	ELM	L839302
Isopropylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
4-Isopropyl toluene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
4-Methyl-2-Pentanone	<5.00	µg/L	5.00	1	09/14/25 15:25	ELM	L839302
Methylene Chloride	<5.00	µg/L	5.00	1	09/14/25 15:25	ELM	L839302
Methyl tert-butyl ether (MTBE)	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
m,p-Xylene	<2.00	µg/L	2.00	1	09/14/25 15:25	ELM	L839302
Naphthalene	<5.00	µg/L	5.00	1	09/14/25 15:25	ELM	L839302
o-Xylene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
n-Propylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Styrene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,1,1,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Tetrachloroethene	**1.19**	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Toluene	<2.00	µg/L	2.00	1	09/14/25 15:25	ELM	L839302
1,2,3-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 15:25	ELM	L839302
1,2,4-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 15:25	ELM	L839302
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302

Qualifiers/ Definitions
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REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **TMW-3 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:40**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Trichlorofluoromethane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,2,3-Trichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Vinyl Acetate	<10.0	µg/L	10.0	1	09/14/25 15:25	ELM	L839302
Vinyl Chloride	<1.00	µg/L	1.00	1	09/14/25 15:25	ELM	L839302
Xylene (Total)	<1.00	µg/L	1.00	1	09/14/25 15:25		L839302
Surrogate: 4-Bromofluorobenzene	89.4		Limits: 71-137%	1	09/14/25 15:25	ELM	L839302
Surrogate: Dibromofluoromethane	92.6		Limits: 70-128%	1	09/14/25 15:25	ELM	L839302
Surrogate: 1,2-Dichloroethane - d4	94.8		Limits: 63-136%	1	09/14/25 15:25	ELM	L839302
Surrogate: Toluene-d8	84.0		Limits: 70-130%	1	09/14/25 15:25	ELM	L839302

Qualifiers/ Definitions

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **TMW-4 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**0.0183**	mg/L	0.0100	1	09/11/25 23:45	SML	6010D
Barium	**0.382**	mg/L	0.0100	1	09/11/25 23:45	SML	6010D
Cadmium	<0.0020	mg/L	0.0020	1	09/11/25 23:45	SML	6010D
Chromium	**0.317**	mg/L	0.0050	1	09/11/25 23:45	SML	6010D
Lead	**0.161**	mg/L	0.0060	1	09/11/25 23:45	SML	6010D
Mercury	<0.00020	mg/L	0.00020	1	09/11/25 16:12	JW2	7470A
Selenium	<0.0100	mg/L	0.0100	1	09/11/25 23:45	SML	6010D
Silver	<0.0050	mg/L	0.0050	1	09/11/25 23:45	SML	6010D

Qualifiers/ Definitions

DF Dilution Factor
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **TMW-4 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:50**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**80.0**	µg/L	20.0	1	09/14/25 15:45	ELM	L839302
Acetonitrile	<50.0	µg/L	50.0	1	09/14/25 15:45	ELM	L839302
Acrolein	<20.0	µg/L	20.0	1	09/14/25 15:45	ELM	L839302
Acrylonitrile	<20.0	µg/L	20.0	1	09/14/25 15:45	ELM	L839302
Benzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Bromobenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Bromochloromethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Bromodichloromethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Bromoform	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Bromomethane	<2.00	µg/L	2.00	1	09/14/25 15:45	ELM	L839302
2-Butanone (MEK)	<20.0	µg/L	20.0	1	09/14/25 15:45	ELM	L839302
n-Butylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
sec-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
tert-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Carbon Disulfide	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Carbon Tetrachloride	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Chlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Chlorodibromomethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Chloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
2-Chloroethylvinyl Ether	<5.00 M	µg/L	5.00	1	09/14/25 15:45	ELM	L839302
Chloroform	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Chloromethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Project 201401-Adcox

Information : Project #201401

Report Date : 10/01/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **TMW-4 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:50**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
4-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,2-Dibromo-3-Chloropropane	<2.00	µg/L	2.00	1	09/14/25 15:45	ELM	L839302
1,2-Dibromoethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Dibromomethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,2-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Dichlorodifluoromethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,1-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,2-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,1-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
cis-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,2-Dichloroethene (Total)	<1.00	µg/L	1.00	1	09/14/25 15:45		L839302
1,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,3-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
2,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,1-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Ethyl Acetate	<10.0	µg/L	10.0	1	09/14/25 15:45	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
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Information : Project #201401

Report Date : 10/01/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **TMW-4 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:50**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Hexachlorobutadiene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
2-Hexanone	<5.00	µg/L	5.00	1	09/14/25 15:45	ELM	L839302
Iodomethane	<5.00	µg/L	5.00	1	09/14/25 15:45	ELM	L839302
Isopropylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
4-Isopropyl toluene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
4-Methyl-2-Pentanone	<5.00	µg/L	5.00	1	09/14/25 15:45	ELM	L839302
Methylene Chloride	<5.00	µg/L	5.00	1	09/14/25 15:45	ELM	L839302
Methyl tert-butyl ether (MTBE)	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
m,p-Xylene	<2.00	µg/L	2.00	1	09/14/25 15:45	ELM	L839302
Naphthalene	<5.00	µg/L	5.00	1	09/14/25 15:45	ELM	L839302
o-Xylene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
n-Propylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Styrene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,1,1,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Tetrachloroethene	**1.31**	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Toluene	<2.00	µg/L	2.00	1	09/14/25 15:45	ELM	L839302
1,2,3-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 15:45	ELM	L839302
1,2,4-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 15:45	ELM	L839302
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **TMW-4 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 15:50**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Trichlorofluoromethane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,2,3-Trichloropropane	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Vinyl Acetate	<10.0	µg/L	10.0	1	09/14/25 15:45	ELM	L839302
Vinyl Chloride	<1.00	µg/L	1.00	1	09/14/25 15:45	ELM	L839302
Xylene (Total)	<1.00	µg/L	1.00	1	09/14/25 15:45		L839302
Surrogate: 4-Bromofluorobenzene	90.0		Limits: 71-137%	1	09/14/25 15:45	ELM	L839302
Surrogate: Dibromofluoromethane	95.2		Limits: 70-128%	1	09/14/25 15:45	ELM	L839302
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 63-136%	1	09/14/25 15:45	ELM	L839302
Surrogate: Toluene-d8	87.6		Limits: 70-130%	1	09/14/25 15:45	ELM	L839302

Qualifiers/ Definitions

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Report Date : 10/01/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **TMW-5 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 16:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Arsenic	**0.0192**	mg/L	0.0100	1	09/11/25 23:50	SML	6010D
Barium	**0.534**	mg/L	0.0100	1	09/11/25 23:50	SML	6010D
Cadmium	<0.0020	mg/L	0.0020	1	09/11/25 23:50	SML	6010D
Chromium	**0.387**	mg/L	0.0050	1	09/11/25 23:50	SML	6010D
Lead	**0.131**	mg/L	0.0060	1	09/11/25 23:50	SML	6010D
Mercury	<0.00020	mg/L	0.00020	1	09/11/25 16:14	JW2	7470A
Selenium	<0.0100	mg/L	0.0100	1	09/11/25 23:50	SML	6010D
Silver	<0.0050	mg/L	0.0050	1	09/11/25 23:50	SML	6010D

Qualifiers/ Definitions

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Information : Project #201401

Report Date : 10/01/2025
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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **TMW-5 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	**20.2**	µg/L	20.0	1	09/14/25 16:06	ELM	L839302
Acetonitrile	<50.0	µg/L	50.0	1	09/14/25 16:06	ELM	L839302
Acrolein	<20.0	µg/L	20.0	1	09/14/25 16:06	ELM	L839302
Acrylonitrile	<20.0	µg/L	20.0	1	09/14/25 16:06	ELM	L839302
Benzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Bromobenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Bromochloromethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Bromodichloromethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Bromoform	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Bromomethane	<2.00	µg/L	2.00	1	09/14/25 16:06	ELM	L839302
2-Butanone (MEK)	<20.0	µg/L	20.0	1	09/14/25 16:06	ELM	L839302
n-Butylbenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
sec-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
tert-Butyl benzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Carbon Disulfide	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Carbon Tetrachloride	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Chlorobenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Chlorodibromomethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Chloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
2-Chloroethylvinyl Ether	<5.00 M	µg/L	5.00	1	09/14/25 16:06	ELM	L839302
Chloroform	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Chloromethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **TMW-5 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
4-Chlorotoluene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,2-Dibromo-3-Chloropropane	<2.00	µg/L	2.00	1	09/14/25 16:06	ELM	L839302
1,2-Dibromoethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Dibromomethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,2-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Dichlorodifluoromethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,1-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,2-Dichloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,1-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
cis-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,2-Dichloroethene (Total)	<1.00	µg/L	1.00	1	09/14/25 16:06		L839302
1,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,3-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
2,2-Dichloropropane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,1-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Ethyl Acetate	<10.0	µg/L	10.0	1	09/14/25 16:06	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Information : Project #201401

Report Date : 10/01/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **TMW-5 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Ethylbenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Hexachlorobutadiene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
2-Hexanone	<5.00	µg/L	5.00	1	09/14/25 16:06	ELM	L839302
Iodomethane	<5.00	µg/L	5.00	1	09/14/25 16:06	ELM	L839302
Isopropylbenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
4-Isopropyl toluene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
4-Methyl-2-Pentanone	<5.00	µg/L	5.00	1	09/14/25 16:06	ELM	L839302
Methylene Chloride	<5.00	µg/L	5.00	1	09/14/25 16:06	ELM	L839302
Methyl tert-butyl ether (MTBE)	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
m,p-Xylene	<2.00	µg/L	2.00	1	09/14/25 16:06	ELM	L839302
Naphthalene	<5.00	µg/L	5.00	1	09/14/25 16:06	ELM	L839302
o-Xylene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
n-Propylbenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Styrene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,1,1,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Tetrachloroethene	**5.78**	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Toluene	<2.00	µg/L	2.00	1	09/14/25 16:06	ELM	L839302
1,2,3-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 16:06	ELM	L839302
1,2,4-Trichlorobenzene	<2.00	µg/L	2.00	1	09/14/25 16:06	ELM	L839302
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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32974
Partlow Geological, LLC
Ms. Kristin Fair
2314 University Blvd.
Tuscaloosa , AL 35401

Project 201401-Adcox

Information : Project #201401

Report Date : 10/01/2025
Received : 09/09/2025

Andrea R. Brownfield
Project manager

Report Number : **25-252-0043**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **TMW-5 Adcox**

Matrix: **Aqueous**
Sampled: **9/4/2025 16:00**

Analytical Method: 8260B **Prep Batch(es):** **L839268** 09/14/25 08:36
Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Trichloroethene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Trichlorofluoromethane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,2,3-Trichloropropane	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,2,4-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
1,3,5-Trimethylbenzene	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Vinyl Acetate	<10.0	µg/L	10.0	1	09/14/25 16:06	ELM	L839302
Vinyl Chloride	<1.00	µg/L	1.00	1	09/14/25 16:06	ELM	L839302
Xylene (Total)	<1.00	µg/L	1.00	1	09/14/25 16:06		L839302
Surrogate: 4-Bromofluorobenzene	86.4		Limits: 71-137%	1	09/14/25 16:06	ELM	L839302
Surrogate: Dibromofluoromethane	91.4		Limits: 70-128%	1	09/14/25 16:06	ELM	L839302
Surrogate: 1,2-Dichloroethane - d4	94.2		Limits: 63-136%	1	09/14/25 16:06	ELM	L839302
Surrogate: Toluene-d8	82.4		Limits: 70-130%	1	09/14/25 16:06	ELM	L839302

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
M Minimum value

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L838599
QC Prep Batch Method: 3005A
QC Analytical Batch(es): L839020
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L838599 Matrix: AQU
Associated Lab Samples: 97838, 97839, 97840, 97841, 97842

Parameter	Units	Blank Result	MQL	Analyzed
Arsenic	mg/L	< 0.0100	0.0100	09/11/25 22:08
Barium	mg/L	< 0.0100	0.0100	09/11/25 22:08
Cadmium	mg/L	< 0.0020	0.0020	09/11/25 22:08
Chromium	mg/L	< 0.0050	0.0050	09/11/25 22:08
Lead	mg/L	< 0.0060	0.0060	09/11/25 22:08
Selenium	mg/L	< 0.0100	0.0100	09/11/25 22:08
Silver	mg/L	< 0.0050	0.0050	09/11/25 22:08

Laboratory Control Sample LCS-L838599

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/L	0.100	0.0965	97.0	80-120
Barium	mg/L	1.00	0.961	96.0	80-120
Cadmium	mg/L	0.100	0.0962	96.0	80-120
Chromium	mg/L	1.00	1.08	108	80-120
Lead	mg/L	0.100	0.0972	97.0	80-120
Selenium	mg/L	0.100	0.0929	93.0	80-120
Silver	mg/L	0.100	0.105	105	80-120

Matrix Spike & Matrix Spike Duplicate L 97842-MS-L838599 L 97842-MSD-L838599

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/L	0.0192	0.100	0.100	0.103	0.106	84.0	87.0	75-125	2.8	20.0
Barium	mg/L	0.534	1.00	1.00	1.46	1.52	93.0	99.0	75-125	4.0	20.0
Cadmium	mg/L	< 0.0020	0.100	0.100	0.0846	0.0867	85.0	87.0	75-125	2.4	20.0
Chromium	mg/L	0.387	1.00	1.00	1.41	1.45	102	106	75-125	2.7	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L838599
QC Prep Batch Method: 3005A
QC Analytical Batch(es): L839020
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate L 97842-MS-L838599 L 97842-MSD-L838599

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	0.131	0.100	0.100	0.225	0.228	94.0	97.0	75-125	1.3	20.0
Selenium	mg/L	< 0.0100	0.100	0.100	0.0816	0.0834	82.0	83.0	75-125	2.1	20.0
Silver	mg/L	< 0.0050	0.100	0.100	0.0961	0.0987	96.0	99.0	75-125	2.6	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L838723
QC Prep Batch Method: 7470A
QC Analytical Batch(es): L838879
Analysis Method: 7470A
Analysis Description: Total Aqueous Mercury Analysis - CVAA

Lab Reagent Blank LRB-L838723 Matrix: AQU
Associated Lab Samples: 97838, 97839, 97840, 97841, 97842

Parameter	Units	Blank Result	MQL	Analyzed
Mercury	mg/L	< 0.00020	0.00020	09/11/25 15:39

Laboratory Control Sample LCS-L838723

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury	mg/L	0.00400	0.00388	97.0	80-120

Matrix Spike & Matrix Spike Duplicate L 97842-MS-L838723 L 97842-MSD-L838723

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury	mg/L	< 0.00020	0.00400	0.00400	0.00415	0.00432	100	105	80-120	4.0	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L839268
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L839302
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L839268 Matrix: AQU
Associated Lab Samples: 97838, 97839, 97840, 97841, 97842

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	< 20.0	20.0	09/14/25 10:57		
Acetonitrile	µg/L	< 50.0	50.0	09/14/25 10:57		
Acrolein	µg/L	< 20.0	20.0	09/14/25 10:57		
Acrylonitrile	µg/L	< 20.0	20.0	09/14/25 10:57		
Benzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Bromobenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Bromochloromethane	µg/L	< 1.00	1.00	09/14/25 10:57		
Bromodichloromethane	µg/L	< 1.00	1.00	09/14/25 10:57		
Bromoform	µg/L	< 1.00	1.00	09/14/25 10:57		
Bromomethane	µg/L	< 2.00	2.00	09/14/25 10:57		
2-Butanone (MEK)	µg/L	< 20.0	20.0	09/14/25 10:57		
n-Butylbenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
sec-Butyl benzene	µg/L	< 1.00	1.00	09/14/25 10:57		
tert-Butyl benzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Carbon Disulfide	µg/L	< 1.00	1.00	09/14/25 10:57		
Carbon Tetrachloride	µg/L	< 1.00	1.00	09/14/25 10:57		
Chlorobenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Chlorodibromomethane	µg/L	< 1.00	1.00	09/14/25 10:57		
Chloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
2-Chloroethylvinyl Ether	µg/L	< 5.00	5.00	09/14/25 10:57		
Chloroform	µg/L	< 1.00	1.00	09/14/25 10:57		
Chloromethane	µg/L	< 1.00	1.00	09/14/25 10:57		
2-Chlorotoluene	µg/L	< 1.00	1.00	09/14/25 10:57		
4-Chlorotoluene	µg/L	< 1.00	1.00	09/14/25 10:57		
1,2-Dibromo-3-Chloropropane	µg/L	< 2.00	2.00	09/14/25 10:57		
1,2-Dibromoethane	µg/L	< 1.00	1.00	09/14/25 10:57		
Dibromomethane	µg/L	< 1.00	1.00	09/14/25 10:57		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L839268
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L839302
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L839268 Matrix: AQU
Associated Lab Samples: 97838, 97839, 97840, 97841, 97842

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichlorobenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
1,3-Dichlorobenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
1,4-Dichlorobenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Dichlorodifluoromethane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,1-Dichloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,2-Dichloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,1-Dichloroethene	µg/L	< 1.00	1.00	09/14/25 10:57		
cis-1,2-Dichloroethene	µg/L	< 1.00	1.00	09/14/25 10:57		
trans-1,2-Dichloroethene	µg/L	< 1.00	1.00	09/14/25 10:57		
1,2-Dichloropropane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,3-Dichloropropane	µg/L	< 1.00	1.00	09/14/25 10:57		
2,2-Dichloropropane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,1-Dichloropropene	µg/L	< 1.00	1.00	09/14/25 10:57		
cis-1,3-Dichloropropene	µg/L	< 1.00	1.00	09/14/25 10:57		
trans-1,3-Dichloropropene	µg/L	< 1.00	1.00	09/14/25 10:57		
Ethyl Acetate	µg/L	< 10.0	10.0	09/14/25 10:57		
Ethylbenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Hexachlorobutadiene	µg/L	< 1.00	1.00	09/14/25 10:57		
2-Hexanone	µg/L	< 5.00	5.00	09/14/25 10:57		
Iodomethane	µg/L	< 5.00	5.00	09/14/25 10:57		
Isopropylbenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
4-Isopropyl toluene	µg/L	< 1.00	1.00	09/14/25 10:57		
4-Methyl-2-Pentanone	µg/L	< 5.00	5.00	09/14/25 10:57		
Methylene Chloride	µg/L	< 5.00	5.00	09/14/25 10:57		
Methyl tert-butyl ether (MTBE)	µg/L	< 1.00	1.00	09/14/25 10:57		
m,p-Xylene	µg/L	< 2.00	2.00	09/14/25 10:57		
Naphthalene	µg/L	< 5.00	5.00	09/14/25 10:57		

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L839268
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L839302
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-L839268 Matrix: AQU
Associated Lab Samples: 97838, 97839, 97840, 97841, 97842

Parameter	Units	Blank Result	MQL	Analyzed	% Recovery	% Rec Limits
o-Xylene	µg/L	< 1.00	1.00	09/14/25 10:57		
n-Propylbenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Styrene	µg/L	< 1.00	1.00	09/14/25 10:57		
1,1,1,2-Tetrachloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,1,2,2-Tetrachloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
Tetrachloroethene	µg/L	< 1.00	1.00	09/14/25 10:57		
Toluene	µg/L	< 2.00	2.00	09/14/25 10:57		
1,2,3-Trichlorobenzene	µg/L	< 2.00	2.00	09/14/25 10:57		
1,2,4-Trichlorobenzene	µg/L	< 2.00	2.00	09/14/25 10:57		
1,1,1-Trichloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,1,2-Trichloroethane	µg/L	< 1.00	1.00	09/14/25 10:57		
Trichloroethene	µg/L	< 1.00	1.00	09/14/25 10:57		
Trichlorofluoromethane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,2,3-Trichloropropane	µg/L	< 1.00	1.00	09/14/25 10:57		
1,2,4-Trimethylbenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
1,3,5-Trimethylbenzene	µg/L	< 1.00	1.00	09/14/25 10:57		
Vinyl Acetate	µg/L	< 10.0	10.0	09/14/25 10:57		
Vinyl Chloride	µg/L	< 1.00	1.00	09/14/25 10:57		
4-Bromofluorobenzene (S)				09/14/25 10:57	87.4	71-137
Dibromofluoromethane (S)				09/14/25 10:57	90.2	70-128
1,2-Dichloroethane - d4 (S)				09/14/25 10:57	92.6	63-136
Toluene-d8 (S)				09/14/25 10:57	84.4	70-130

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0043

QC Prep: L839268
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L839302
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L839268 LCSD-L839268

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	100	129	149	129	149*	60-140	14.3	20.0
Acetonitrile	µg/L	1000	1240	1350	124	135	40-160	8.4	20.0
Acrolein	µg/L	100	133	156	133	156	40-160	15.9	20.0
Acrylonitrile	µg/L	100	136	164	136	164*	40-160	18.6	20.0
Benzene	µg/L	100	102	102	102	102	70-130	0.0	20.0
Bromobenzene	µg/L	100	105	106	105	106	75-125	0.9	20.0
Bromochloromethane	µg/L	100	116	119	116	119	65-135	2.5	20.0
Bromodichloromethane	µg/L	100	102	101	102	101	75-125	0.9	20.0
Bromoform	µg/L	100	84.8	91.5	84.8	91.5	70-130	7.6	20.0
Bromomethane	µg/L	100	89.0	80.3	89.0	80.3	40-160	10.2	20.0
2-Butanone (MEK)	µg/L	100	138	158	138	158	40-160	13.5	20.0
n-Butylbenzene	µg/L	100	120	110	120	110	70-130	8.6	20.0
sec-Butyl benzene	µg/L	100	104	100	104	100	70-130	3.9	20.0
tert-Butyl benzene	µg/L	100	100	96.7	100	96.7	70-130	3.3	20.0
Carbon Disulfide	µg/L	100	74.3	73.0	74.3	73.0	40-160	1.7	20.0
Carbon Tetrachloride	µg/L	100	96.6	78.7	96.6	78.7	65-135	20.4*	20.0
Chlorobenzene	µg/L	100	93.4	91.5	93.4	91.5	80-120	2.0	20.0
Chlorodibromomethane	µg/L	100	99.1	99.1	99.1	99.1	60-140	0.0	20.0
Chloroethane	µg/L	100	112	116	112	116	60-140	3.5	20.0
2-Chloroethylvinyl Ether	µg/L	100	8.81	77.3	8.8*	77.3	40-160	159*	20.0
Chloroform	µg/L	100	104	104	104	104	80-120	0.0	20.0
Chloromethane	µg/L	100	90.6	90.9	90.6	90.9	40-160	0.3	20.0
2-Chlorotoluene	µg/L	100	103	101	103	101	75-125	1.9	20.0
4-Chlorotoluene	µg/L	100	103	102	103	102	75-125	0.9	20.0
1,2-Dibromo-3-Chloropropane	µg/L	100	110	126	110	126	50-150	13.5	20.0
1,2-Dibromoethane	µg/L	100	95.9	98.9	95.9	98.9	70-130	3.0	20.0

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Quality Control Data

Client ID: Partlow Geological, LLC
Project Description: 201401-Adcox
Report No: 25-252-0043

QC Prep: L839268
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L839302
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L839268 LCSD-L839268

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Dibromomethane	µg/L	100	80.9	83.7	80.9	83.7	75-125	3.4	20.0
1,2-Dichlorobenzene	µg/L	100	96.7	96.2	96.7	96.2	70-130	0.5	20.0
1,3-Dichlorobenzene	µg/L	100	101	98.2	101	98.2	75-125	2.8	20.0
1,4-Dichlorobenzene	µg/L	100	97.1	94.8	97.1	94.8	75-125	2.3	20.0
Dichlorodifluoromethane	µg/L	100	127	130	127	130	40-160	2.3	20.0
1,1-Dichloroethane	µg/L	100	103	105	103	105	70-130	1.9	20.0
1,2-Dichloroethane	µg/L	100	108	111	108	111	70-130	2.7	20.0
1,1-Dichloroethene	µg/L	100	86.7	87.2	86.7	87.2	80-120	0.5	20.0
cis-1,2-Dichloroethene	µg/L	100	96.5	96.0	96.5	96.0	70-130	0.5	20.0
trans-1,2-Dichloroethene	µg/L	100	96.8	95.4	96.8	95.4	60-140	1.4	20.0
1,2-Dichloropropane	µg/L	100	106	105	106	105	80-120	0.9	20.0
1,3-Dichloropropane	µg/L	100	112	111	112	111	75-125	0.8	20.0
2,2-Dichloropropane	µg/L	100	102	101	102	101	70-130	0.9	20.0
1,1-Dichloropropene	µg/L	100	104	102	104	102	75-125	1.9	20.0
cis-1,3-Dichloropropene	µg/L	100	103	102	103	102	70-130	0.9	20.0
trans-1,3-Dichloropropene	µg/L	100	103	103	103	103	55-145	0.0	20.0
Ethyl Acetate	µg/L	100	95.6	109	95.6	109	40-160	13.0	20.0
Ethylbenzene	µg/L	100	101	97.5	101	97.5	80-120	3.5	20.0
Hexachlorobutadiene	µg/L	100	103	93.6	103	93.6	50-150	9.5	20.0
2-Hexanone	µg/L	100	116	133	116	133	55-145	13.6	20.0
Iodomethane	µg/L	100	57.4	52.9	57.4	52.9	40-160	8.1	20.0
Isopropylbenzene	µg/L	100	109	106	109	106	75-125	2.7	20.0
4-Isopropyl toluene	µg/L	100	102	96.9	102	96.9	75-125	5.1	20.0
4-Methyl-2-Pentanone	µg/L	100	118	133	118	133	60-140	11.9	20.0
Methylene Chloride	µg/L	100	104	105	104	105	55-145	0.9	20.0
Methyl tert-butyl ether (MTBE)	µg/L	100	98.1	105	98.1	105	65-135	6.7	20.0

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Quality Control Data

Client ID: **Partlow Geological, LLC**
Project Description: **201401-Adcox**
Report No: **25-252-0043**

QC Prep: L839268
QC Prep Batch Method: 5030B
QC Analytical Batch(es): L839302
Analysis Method: 8260B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-L839268 LCSD-L839268

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
m,p-Xylene	µg/L	200	203	198	102	99.0	75-125	2.4	20.0
Naphthalene	µg/L	100	94.1	126	94.1	126	55-145	28.9*	20.0
o-Xylene	µg/L	100	102	100	102	100	70-130	1.9	20.0
n-Propylbenzene	µg/L	100	108	105	108	105	70-130	2.8	20.0
Styrene	µg/L	100	98.9	98.4	98.9	98.4	65-135	0.5	20.0
1,1,1,2-Tetrachloroethane	µg/L	100	93.5	91.5	93.5	91.5	70-130	2.1	20.0
1,1,2,2-Tetrachloroethane	µg/L	100	112	119	112	119	65-135	6.0	20.0
Tetrachloroethene	µg/L	100	86.3	81.2	86.3	81.2	45-155	6.0	20.0
Toluene	µg/L	100	97.6	93.6	97.6	93.6	80-120	4.1	20.0
1,2,3-Trichlorobenzene	µg/L	100	88.7	106	88.7	106	60-140	17.7	20.0
1,2,4-Trichlorobenzene	µg/L	100	99.6	103	99.6	103	65-135	3.3	20.0
1,1,1-Trichloroethane	µg/L	100	101	99.0	101	99.0	65-135	2.0	20.0
1,1,2-Trichloroethane	µg/L	100	100	102	100	102	75-125	1.9	20.0
Trichloroethene	µg/L	100	94.3	91.3	94.3	91.3	70-130	3.2	20.0
Trichlorofluoromethane	µg/L	100	122	123	122	123	40-140	0.8	20.0
1,2,3-Trichloropropane	µg/L	100	104	111	104	111	75-125	6.5	20.0
1,2,4-Trimethylbenzene	µg/L	100	98.0	95.0	98.0	95.0	65-135	3.1	20.0
1,3,5-Trimethylbenzene	µg/L	100	101	97.7	101	97.7	75-125	3.3	20.0
Vinyl Acetate	µg/L	100	126	139	126	139	40-160	9.8	20.0
Vinyl Chloride	µg/L	100	106	105	106	105	80-120	0.9	20.0
4-Bromofluorobenzene (S)					86.0	87.0	71-137		
Dibromofluoromethane (S)					85.8	87.8	70-128		
1,2-Dichloroethane - d4 (S)					87.4	91.8	63-136		
Toluene-d8 (S)					86.8	85.2	70-130		

* QC Fail

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Shipment Receipt Form

Customer Number: **32974**
Customer Name: **Partlow Geological, LLC**
Report Number: **25-252-0043**

Shipping Method

○ Fed Ex	○ US Postal	○ Lab	○ Other :	
◉ UPS	○ Client	○ Courier	Thermometer ID:	TI202

Shipping container/cooler uncompromised?	◉ Yes	○ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	◉ Not Present
Custody seals intact on sample bottles?	○ Yes	○ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	○ No	
COC agrees with sample label(s)?	◉ Yes	○ No	
COC properly completed	◉ Yes	○ No	
Samples in proper containers?	◉ Yes	○ No	
Sample containers intact?	◉ Yes	○ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	○ No	
All samples received within holding time?	◉ Yes	○ No	
Cooler temperature in compliance?	◉ Yes	○ No	○ Not Present
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	○ No	
Water - Sample containers properly preserved	◉ Yes	○ No	○ N/A
Water - Sulfuric containers verified pH <2	○ Yes	○ No	◉ N/A
Water - VOA vials free of headspace	◉ Yes	○ No	○ N/A
Trip Blanks received with VOAs	○ Yes	◉ No	○ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)

☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	◉ No

Comments:

Signature: Allison B Brown Date & Time: 09/09/2025 11:27:53

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
Partlow Geological	Kristin Fair	Jackson Partlow Partlow Geological 205-292-5871	25-252-0043 32974 09-09-2025 11:26:49 Partlow Geological, LLC 201401-Adcox
Project Description	**Project/Site Location (City/State)**	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed	**Method of Shipment** ☐ Fed Ex ☐ L ☐ Courier ☐ C Other
201401 - Adcox	1431 Hackberry Ln Tuscaloosa, AL 35401		
Project Number	**Project Manager Phone #**	**Project Manager Email**	**Purchase Order Number** / **Site/Facility ID #**
201401	(205) 765-9397	kristin@partlowgeological.com	

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Memphis, TN 38133
(901) 213-2400

Unless noted, all containers per Table II of 40 CFR Part 136.

A Cool < 10C Na2S2O3 (Micro Only)
B Cool <= 6C
C H2SO4 pH<2
D None Required
E NaOH pH>10
F HNO3 pH<2
G HCL pH<2
H H3PO4 pH<2
I Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	RCRA 8 Metals	VOC								Comments/Notes
			Required Analysis / Preservative												
9/4/25	3:20PM	TMW-1 Adcox	4	AQ	G	✔	✔								
9/4/25	3:30PM	TMW-2 Adcox	4	AQ	G	✔	✔								
9/4/25	3:40 PM	TMW-3 Adcox	4	AQ	G	✔	✔								
9/4/25	3:50 PM	TMW-4 Adcox	4	AQ	G	✔	✔								
9/4/25	4PM	TMW-5 Adcox	4	AQ	G	✔	✔								

For Laboratory Use Only

Ice	Custody Seals	Lab Comments
(Y) N	Y (N)	

Blank/Cooler Temp: 2.1c T22 ABB

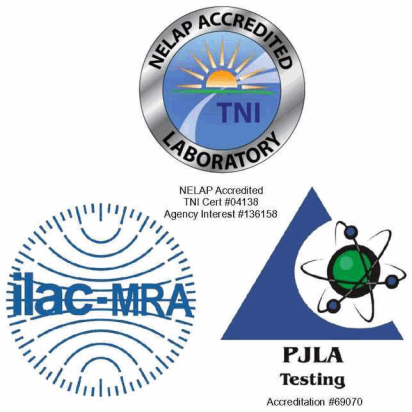
Sampled by (Name – Print): Kristin Fair

Client Remarks/Comments:

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	9/4/25 4:18pm	Luke Hraft	9/4/25 4:18pm
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Luke Hraft	9/5/25 10:30 am		9/5/25 1030
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	9/8/25 1710		09/9/25 1005

H&P Mobile Geochemistry Inc.

08 December 2025



Jim Fineis
Total Vapor Solutions
120 Nottaway Lane
Alpharetta, GA 30009

H&P Project: TVS120125-15
Client Project: Hackberry Ln

Dear Jim Fineis:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 01-Dec-25 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Kristin Beckley
Quality Assurance Officer

H&P Mobile Geochemistry, Inc. is accredited under the National Laboratory Accreditation Program (NELAP) and the Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), operating in accordance with international standard ISO/IEC 17025:2005 for the fields of proficiency and analytes listed on the applicable certificates. The certificates for EPA Method TO-15 and H&P Method 8260SV (modified EPA 8260B) can be found at www.handpmg.com, including accreditation certificate numbers, expiration of certificates, and scope of accreditation including matrix of accreditation. Vehicle Identification Numbers are included on the certifications for mobile lab analysis , if applicable. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-1	E512014-01	Vapor	24-Nov-25	01-Dec-25
SV-2	E512014-02	Vapor	24-Nov-25	01-Dec-25
SV-3	E512014-03	Vapor	24-Nov-25	01-Dec-25
SV-4	E512014-04	Vapor	24-Nov-25	01-Dec-25
SV-5	E512014-05	Vapor	24-Nov-25	01-Dec-25
SV-6	E512014-06	Vapor	24-Nov-25	01-Dec-25
SV-7	E512014-07	Vapor	24-Nov-25	01-Dec-25
SV-8	E512014-08	Vapor	24-Nov-25	01-Dec-25

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

DETECTIONS SUMMARY

Sample ID: **SV-1** Laboratory ID: **E512014-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon disulfide	**6.4**	6.3	ug/m3	EPA TO-15	
Chloroform	**30**	4.9	ug/m3	EPA TO-15	
Benzene	**25**	3.2	ug/m3	EPA TO-15	
Trichloroethene	**8.0**	5.5	ug/m3	EPA TO-15	
Toluene	**25**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**540**	6.9	ug/m3	EPA TO-15	

Sample ID: **SV-2** Laboratory ID: **E512014-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**89**	20	ug/m3	EPA TO-15	
Benzene	**26**	16	ug/m3	EPA TO-15	
Trichloroethene	**28**	27	ug/m3	EPA TO-15	
Toluene	**24**	19	ug/m3	EPA TO-15	
Tetrachloroethene	**9700**	34	ug/m3	EPA TO-15	

Sample ID: **SV-3** Laboratory ID: **E512014-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon disulfide	**14**	13	ug/m3	EPA TO-15	
Benzene	**30**	6.5	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**17**	17	ug/m3	EPA TO-15	
Toluene	**31**	7.6	ug/m3	EPA TO-15	
Tetrachloroethene	**1800**	14	ug/m3	EPA TO-15	

Sample ID: **SV-4** Laboratory ID: **E512014-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**33**	16	ug/m3	EPA TO-15	
Toluene	**29**	19	ug/m3	EPA TO-15	
Tetrachloroethene	**7500**	34	ug/m3	EPA TO-15	

Sample ID: **SV-5** Laboratory ID: **E512014-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**42**	32	ug/m3	EPA TO-15	
Toluene	**41**	38	ug/m3	EPA TO-15	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

Sample ID: **SV-5** Laboratory ID: **E512014-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**18000**	69	ug/m3	EPA TO-15	

Sample ID: **SV-6** Laboratory ID: **E512014-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon disulfide	**9.7**	6.3	ug/m3	EPA TO-15	
Chloroform	**6.8**	4.9	ug/m3	EPA TO-15	
Benzene	**20**	3.2	ug/m3	EPA TO-15	
Toluene	**24**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**1800**	6.9	ug/m3	EPA TO-15	

Sample ID: **SV-7** Laboratory ID: **E512014-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon disulfide	**9.6**	6.3	ug/m3	EPA TO-15	
Benzene	**26**	3.2	ug/m3	EPA TO-15	
Toluene	**24**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**190**	6.9	ug/m3	EPA TO-15	

Sample ID: **SV-8** Laboratory ID: **E512014-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon disulfide	**19**	6.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	**75**	30	ug/m3	EPA TO-15	
Chloroform	**6.2**	4.9	ug/m3	EPA TO-15	
Benzene	**95**	3.2	ug/m3	EPA TO-15	
Toluene	**86**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**85**	6.9	ug/m3	EPA TO-15	
Ethylbenzene	**16**	4.4	ug/m3	EPA TO-15	
m,p-Xylene	**21**	8.8	ug/m3	EPA TO-15	
o-Xylene	**12**	4.4	ug/m3	EPA TO-15	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1 (E512014-01) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**6.4**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**30**	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**25**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**8.0**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**25**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**540**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1 (E512014-01) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromoform	ND	10	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*		*77-127*	"	"	"	"	
SV-2 (E512014-02) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	25	ug/m3	5	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	10	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	35	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	79	"	"	"	"	"	"	
Chloroethane	ND	40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
Carbon disulfide	ND	32	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	21	"	"	"	"	"	"	
2-Butanone (MEK)	ND	150	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**89**	20	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**26**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	**28**	27	"	"	"	"	"	"	
1,2-Dichloropropane	ND	47	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2 (E512014-02) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromodichloromethane	ND	34	ug/m3	5	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	23	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	41	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	23	"	"	"	"	"	"	
Toluene	**24**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	41	"	"	"	"	"	"	
Dibromochloromethane	ND	43	"	"	"	"	"	"	
Tetrachloroethene	**9700**	34	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	39	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
Styrene	ND	22	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
Bromoform	ND	52	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
4-Ethyltoluene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	190	"	"	"	"	"	"	
Hexachlorobutadiene	ND	270	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3 (E512014-03) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	10	ug/m3	2	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	4.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	14	"	"	"	"	"	"	
Vinyl chloride	ND	5.2	"	"	"	"	"	"	
Bromomethane	ND	32	"	"	"	"	"	"	
Chloroethane	ND	16	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	11	"	"	"	"	"	"	
1,1-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	15	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	7.1	"	"	"	"	"	"	
Carbon disulfide	**14**	13	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	16	"	"	"	"	"	"	
1,1-Dichloroethane	ND	8.2	"	"	"	"	"	"	
2-Butanone (MEK)	ND	60	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Chloroform	ND	9.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	11	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	8.2	"	"	"	"	"	"	
Benzene	**30**	6.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	11	"	"	"	"	"	"	
1,2-Dichloropropane	ND	19	"	"	"	"	"	"	
Bromodichloromethane	ND	14	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	9.2	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**17**	17	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	9.2	"	"	"	"	"	"	
Toluene	**31**	7.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	11	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	17	"	"	"	"	"	"	
Dibromochloromethane	ND	17	"	"	"	"	"	"	
Tetrachloroethene	**1800**	14	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	16	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	14	"	"	"	"	"	"	
Chlorobenzene	ND	9.4	"	"	"	"	"	"	
Ethylbenzene	ND	8.8	"	"	"	"	"	"	
m,p-Xylene	ND	18	"	"	"	"	"	"	
Styrene	ND	8.6	"	"	"	"	"	"	
o-Xylene	ND	8.8	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3 (E512014-03) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromoform	ND	21	ug/m3	2	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	14	"	"	"	"	"	"	
4-Ethyltoluene	ND	10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	75	"	"	"	"	"	"	
Hexachlorobutadiene	ND	110	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	
SV-4 (E512014-04) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	25	ug/m3	5	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	10	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	35	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	79	"	"	"	"	"	"	
Chloroethane	ND	40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
Carbon disulfide	ND	32	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	21	"	"	"	"	"	"	
2-Butanone (MEK)	ND	150	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	20	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**33**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,2-Dichloropropane	ND	47	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5 (E512014-05) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	50	ug/m3	10	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	21	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	71	"	"	"	"	"	"	
Vinyl chloride	ND	26	"	"	"	"	"	"	
Bromomethane	ND	160	"	"	"	"	"	"	
Chloroethane	ND	80	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	56	"	"	"	"	"	"	
1,1-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	77	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	35	"	"	"	"	"	"	
Carbon disulfide	ND	63	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	80	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
2-Butanone (MEK)	ND	300	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	49	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	55	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	41	"	"	"	"	"	"	
Benzene	**42**	32	"	"	"	"	"	"	
Carbon tetrachloride	ND	64	"	"	"	"	"	"	
Trichloroethene	ND	55	"	"	"	"	"	"	
1,2-Dichloropropane	ND	94	"	"	"	"	"	"	
Bromodichloromethane	ND	68	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	46	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	83	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	46	"	"	"	"	"	"	
Toluene	**41**	38	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	55	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	83	"	"	"	"	"	"	
Dibromochloromethane	ND	86	"	"	"	"	"	"	
Tetrachloroethene	**18000**	69	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	78	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	70	"	"	"	"	"	"	
Chlorobenzene	ND	47	"	"	"	"	"	"	
Ethylbenzene	ND	44	"	"	"	"	"	"	
m,p-Xylene	ND	88	"	"	"	"	"	"	
Styrene	ND	43	"	"	"	"	"	"	
o-Xylene	ND	44	"	"	"	"	"	"	

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120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5 (E512014-05) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromoform	ND	100	ug/m3	10	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	70	"	"	"	"	"	"	
4-Ethyltoluene	ND	50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	120	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	120	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	120	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Hexachlorobutadiene	ND	540	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*77-127*	"	"	"	"	
SV-6 (E512014-06) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**9.7**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**6.8**	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**20**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6 (E512014-06) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromodichloromethane	ND	6.8	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**24**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**1800**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-7 (E512014-07) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**9.6**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**26**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**24**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**190**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-7 (E512014-07) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromoform	ND	10	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*122 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
SV-8 (E512014-08) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**19**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**75**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**6.2**	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**95**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-8 (E512014-08) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromodichloromethane	ND	6.8	ug/m3	1	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**86**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**85**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**16**	4.4	"	"	"	"	"	"	
m,p-Xylene	**21**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**12**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.7 %*		*77-127*	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL50505 - TO-15										
Blank (EL50505-BLK1)				Prepared & Analyzed: 05-Dec-25						
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.6	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	4.9	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							
Chlorobenzene	ND	4.7	"							

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL50505 - TO-15										
Blank (EL50505-BLK1)				Prepared & Analyzed: 05-Dec-25						
Ethylbenzene	ND	4.4	ug/m3							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	38	"							
Hexachlorobutadiene	ND	54	"							
Surrogate: 1,2-Dichloroethane-d4	*192*		*"*	*214*		*89.7*	*76-134*			
Surrogate: Toluene-d8	*232*		*"*	*208*		*112*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*383*		*"*	*363*		*105*	*77-127*			
LCS (EL50505-BS1)				Prepared & Analyzed: 05-Dec-25						
Dichlorodifluoromethane (F12)	80	5.0	ug/m3	101		79.0	59-128			
Vinyl chloride	43	2.6	"	52.0		82.0	64-127			
Chloroethane	45	8.0	"	53.6		83.1	63-127			
Trichlorofluoromethane (F11)	99	5.6	"	113		87.5	62-126			
1,1-Dichloroethene	75	4.0	"	80.8		92.2	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	140	7.7	"	155		88.8	66-126			
Methylene chloride (Dichloromethane)	60	3.5	"	70.8		84.9	62-115			
trans-1,2-Dichloroethene	68	8.0	"	80.8		84.2	67-124			
1,1-Dichloroethane	69	4.1	"	82.4		83.9	68-126			
cis-1,2-Dichloroethene	70	4.0	"	80.0		87.7	70-121			
Chloroform	85	4.9	"	99.2		85.9	68-123			
1,1,1-Trichloroethane	93	5.5	"	111		84.0	68-125			
1,2-Dichloroethane (EDC)	71	4.1	"	82.4		86.4	65-128			
Benzene	59	3.2	"	64.8		90.5	69-119			

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL50505 - TO-15										
LCS (EL50505-BS1)				Prepared & Analyzed: 05-Dec-25						
Carbon tetrachloride	110	6.4	ug/m3	128		82.5	68-132			
Trichloroethene	97	5.5	"	110		88.6	71-123			
Toluene	75	3.8	"	76.8		97.7	66-119			
1,1,2-Trichloroethane	93	5.5	"	111		83.4	73-119			
Tetrachloroethene	120	6.9	"	138		83.9	66-124			
1,1,1,2-Tetrachloroethane	130	7.0	"	140		89.7	67-129			
Ethylbenzene	94	4.4	"	88.4		106	70-124			
m,p-Xylene	90	8.8	"	88.4		102	61-134			
o-Xylene	84	4.4	"	88.4		94.6	67-125			
1,1,2,2-Tetrachloroethane	100	7.0	"	140		74.2	65-127			
Surrogate: 1,2-Dichloroethane-d4	*236*		*"*	*214*		*110*	*76-134*			
Surrogate: Toluene-d8	*198*		*"*	*208*		*95.2*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*352*		*"*	*363*		*97.0*	*77-127*			
LCS Dup (EL50505-BSD1)				Prepared & Analyzed: 05-Dec-25						
Dichlorodifluoromethane (F12)	85	5.0	ug/m3	101		84.5	59-128	6.82	25	
Vinyl chloride	43	2.6	"	52.0		82.4	64-127	0.485	25	
Chloroethane	45	8.0	"	53.6		83.1	63-127	0.00	25	
Trichlorofluoromethane (F11)	100	5.6	"	113		91.1	62-126	4.07	25	
1,1-Dichloroethene	76	4.0	"	80.8		94.1	61-133	1.98	25	
1,1,2-Trichlorotrifluoroethane (F113)	140	7.7	"	155		91.9	66-126	3.41	25	
Methylene chloride (Dichloromethane)	60	3.5	"	70.8		85.4	62-115	0.643	25	
trans-1,2-Dichloroethene	69	8.0	"	80.8		85.7	67-124	1.70	25	
1,1-Dichloroethane	70	4.1	"	82.4		85.5	68-126	1.82	25	
cis-1,2-Dichloroethene	70	4.0	"	80.0		88.1	70-121	0.401	25	
Chloroform	86	4.9	"	99.2		87.1	68-123	1.32	25	
1,1,1-Trichloroethane	96	5.5	"	111		86.4	68-125	2.80	25	
1,2-Dichloroethane (EDC)	73	4.1	"	82.4		88.1	65-128	1.94	25	
Benzene	60	3.2	"	64.8		92.9	69-119	2.56	25	
Carbon tetrachloride	110	6.4	"	128		84.4	68-132	2.27	25	
Trichloroethene	99	5.5	"	110		90.4	71-123	2.06	25	
Toluene	76	3.8	"	76.8		98.9	66-119	1.21	25	
1,1,2-Trichloroethane	94	5.5	"	111		84.1	73-119	0.770	25	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4 (E512014-04) Vapor Sampled: 24-Nov-25 Received: 01-Dec-25									
Bromodichloromethane	ND	34	ug/m3	5	EL50505	05-Dec-25	05-Dec-25	EPA TO-15	
cis-1,3-Dichloropropene	ND	23	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	41	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	23	"	"	"	"	"	"	
Toluene	**29**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	41	"	"	"	"	"	"	
Dibromochloromethane	ND	43	"	"	"	"	"	"	
Tetrachloroethene	**7500**	34	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	39	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
Styrene	ND	22	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
Bromoform	ND	52	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
4-Ethyltoluene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	190	"	"	"	"	"	"	
Hexachlorobutadiene	ND	270	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	

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Total Vapor Solutions	Project: TVS120125-15	
120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

VOC Analysis by DoD-ELAP and NELAP Accredited EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL50505 - TO-15										
LCS Dup (EL50505-BSD1)				Prepared & Analyzed: 05-Dec-25						
Tetrachloroethene	120	6.9	ug/m3	138		84.6	66-124	0.888	25	
1,1,1,2-Tetrachloroethane	130	7.0	"	140		92.8	67-129	3.38	25	
Ethylbenzene	94	4.4	"	88.4		107	70-124	0.654	25	
m,p-Xylene	92	8.8	"	88.4		104	61-134	2.32	25	
o-Xylene	88	4.4	"	88.4		99.8	67-125	5.27	25	
1,1,2,2-Tetrachloroethane	110	7.0	"	140		78.8	65-127	6.12	25	
Surrogate: 1,2-Dichloroethane-d4	*238*		*"*	*214*		*111*	*76-134*			
Surrogate: Toluene-d8	*201*		*"*	*208*		*97.0*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*361*		*"*	*363*		*99.4*	*77-127*			

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120 Nottaway Lane	Project Number: Hackberry Ln	Reported:
Alpharetta, GA 30009	Project Manager: Jim Fineis	08-Dec-25 13:47

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15 and H&P 8260SV.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/accreditations.

Mobile Geochemistry, Inc.

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& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com

VAPOR / AIR Chain of Custody

DATE: 12/1/25
Page ____ of ____

Lab Client and Project Information

Lab Client/Consultant:	Total Vapor Solutions	Project Name / #:	Hackberry Lane Tuscaloosa GA
Lab Client Project Manager:	Jim Fineis	Project Location:	
Lab Client Address:	120 Nottaway Lane	Report E-Mail(s):	jim@totalvaporsolutions.com
Lab Client City, State, Zip:	Alpharetta, GA 30009		
Phone Number:	770-883-3372		

Sample Receipt (Lab Use Only)

Date Rec'd: 12/1/25 Control #: 250694.00
H&P Project # TVS120125-15
Lab Work Order #
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 14707 Temp: RT
Outside Lab:
Receipt Notes/Tracking #: FX 8663 6207 6866
Lab PM Initials: SM for SN

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☑ Excel EDD ☐ Other EDD: _____

Turnaround Time

☑ **Standard** (7 days for preliminary report 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): Jim Fineis
Signature:
Date:

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☑ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA) Ambient Air (AA) Soil Vapor (SV) Subslab (SS)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, etc.	SAMPLE KIT ID (###)	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☑ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☐ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-1	112425	920	SV	400	45	61	-1	//													
SV-2		926			365	10	-2	//													
SV-3		935			410	47	-2	//													
SV-4		942			167	106	-2	//													
SV-5		957			256	30	-2	//													
SV-6		959			83	39	-1	//													
SV-7		1006			335	44	-4	//													
SV-8		1017			260	158	-1	//													

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Jim Fineis	TVS	11-24-25	1700	COC NSN	H&P	12/2/25	1350
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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Appendix C

Soil Management Plan

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April 29, 2026

Subject: **Soil Management Plan**
Former Cleansing Tide Shopping Center
1405 & 1431 Hackberry Lane
Tuscaloosa, AL 35401
ADEM VCP Site No.: 461-125-26001
Partlow Geological, LLC Project #: 201401

Partlow Geological submits the following Soil Management Plan for the above-referenced Site to address management of material, if any is generated, during potential grading or excavation activities.

As will be summarized in the Voluntary Cleanup Plan, while arsenic was detected above applicable EPA RSLs during the previous Site investigations, and PCE was not detected above applicable EPA RSLs during previous Site investigations, it is possible that future excavation, earthwork, grading, and/or utility work may encounter both within the soils. In the unlikely event that such materials are encountered, the following soil management plan is proposed to address the circumstances.

HANDLING

Partlow Geological recommends that on-site personnel wear Level D personal protective equipment (PPE) to minimize contact with potentially affected media (including particulate dust masks or similar protective measures). Beyond the standard PPE required for construction sites (hard hats, safety glasses, steel-toed boots, etc.), workers who handle soil should wear protective gloves, including but not limited to standard work gloves or impermeable materials such as latex or nitrile. To minimize potential dispersion of particulates, field personnel should have a water truck on hand to maintain adequate moisture on the ground surface and mitigate fugitive dust.

MANAGEMENT

Site-Wide Soil

Soil management on the Site will be managed by field personnel for all distributed areas onsite in accordance with the requirements set forth in the construction stormwater permit and related BMPs to be obtained from ADEM in advance of any land disturbance exceeding one acre. Further, field personnel shall incorporate appropriate controls (i.e., silt fencing, hay bales, or other mitigation measures) to reduce or eliminate sediment runoff into Waters of the State.

Should such COC material be encountered, field personnel shall notify the Site owner immediately to allow for qualified personnel to confirm the lateral extent of COC-affected media in this area and complete laboratory analysis to evaluate its character as a hazardous or non-hazardous waste. This will ensure the material is handled and disposed of in accordance with applicable state and federal regulations. Upon confirming the extent of the COC-affected area beneath, qualified personnel will oversee its excavation and removal (see subsequent sections

regarding handling of this material). Under no circumstances will suspect material be transported off-site without first characterizing it through laboratory analysis.

WASTE MANAGEMENT & CHARACTERIZATION

Waste material generated during excavation activities will be characterized and staged in accordance with ADEM Administrative Code 335-14-2 for waste determination requirements. More specifically, the waste will be characterized in 20-cubic-yard increments (representative, composite samples) with ten 20-yd^3 composite samples consolidated to represent a 200-yd^3 volume (should such a volume be generated). These waste characterization samples will be submitted for laboratory analysis of applicable COCs (i.e. metals and/or pesticides) according to appropriate EPA Methods. If COCs are present (in total concentration) at levels exceeding 20 times the Toxicity Characteristic Leaching Procedure (TCLP) threshold, the laboratory will conduct a TCLP analysis for that (or those) specific constituent(s) to confirm its character as non-hazardous or hazardous waste.

Representative sampling and analysis of the waste will be conducted to determine whether it exhibits one of the characteristics found at ADEM Admin. Code r. 335-14-2-.03. Following the excavation of waste, field personnel will stage the waste material on polyethylene (or a storage container) in a designated area on the Site and cover the material with polyethylene to mitigate potential runoff. The stockpiles will be staged in 200-yd^3 volumes (i.e. ten separate stockpiles of waste containing 20yd^3 each) or within 20-yd^3 containers.

Upon characterization of the generated waste, Partlow Geological (on behalf of CBA Properties, LLC), will complete and submit ADEM Form 300 for review and approval by the Solid Waste Branch and dispose of such waste in accordance with the requirements outlined in an approved solid waste profile.

Finally, ADEM personnel will be contacted before earthwork commences on the property. If you have any questions about this Soil Management Plan, please call us at (205) 292-5871.

Sincerely,
PARTLOW GEOLOGICAL
Jackson P. Parlow

Jackson P. Parlow

Principal

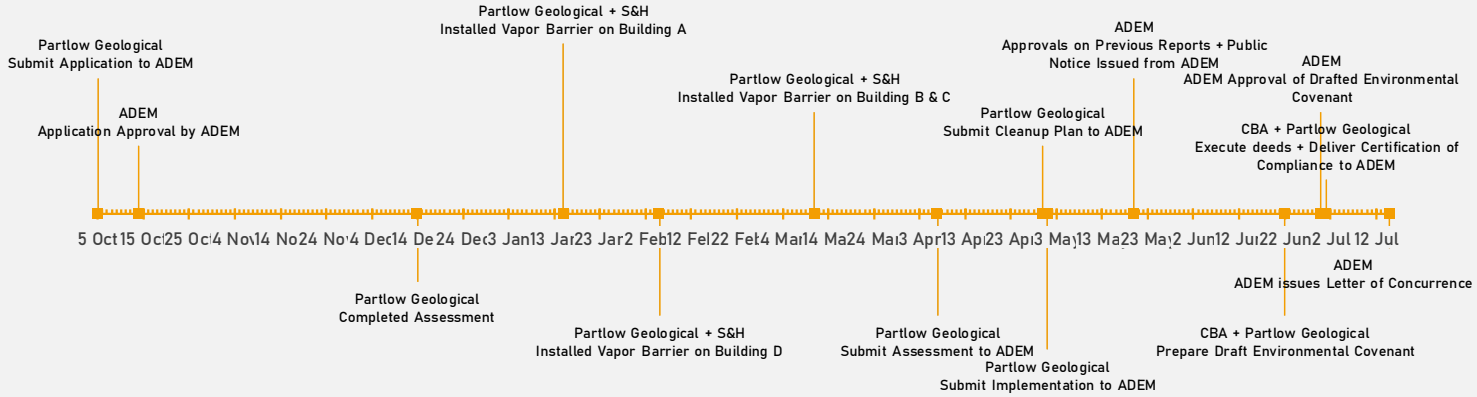
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Appendix D

Milestone Schedule for Implementation of Cleanup

CBA Properties, LLC

Proposed Milestone Schedule



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Appendix E

Pre-Installation Meeting

Geo-Seal Pre-Construction Meeting Form

(For waterproofing projects, use: E.Series Pre-Construction Meeting Form)

Geo-Seal Vapor Intrusion Barrier

Project Information

Project Name CLOVERDALE AT HACKBERRY

Address 1405 HACKBERRY LANE

City, State ZIP TUSCALOOSA, ALABAMA 35401

EPRO Representative _____

Email Address _____

Phone Number _____

E.Track Number _____

Pre-Con Date (m/d/y) 1/13/2026

Mock-up Date (m/d/y) _____

Installation Start Date (m/d/y) 1/15/2026

Anticipated Completion Date (m/d/y) _____

Geo-Seal Methane / Vapor Intrusion Warranty Information

Geo-Seal Warranty Type ○ Material ○ L&M **Warranty Period** ○ 1 Year ○ 5 Year ○ 10 Year ○ Other _____ Year

Geo-Seal Certification Status

Geo-Seal Applicator up to date? ■ Yes ☐ No **Geo-Seal Certified Inspector up to date?** ■ Yes ☐ No

Geo-Seal Certified Inspector Information

Project Contact KRISTIN FAIR - PARTLOW GEOLOGICAL **Agreed upon inspection lead time** _____

1 ■ Geo-Seal Certified Inspection company hired by owner.

2 ☐ Geo-Seal Certified Inspector to review all substrates.

3 ■ Geo-Seal Certified Inspector to observe all smoke tests.

4 ☐ EPRO Representative and EPRO Services, Inc. must be on the distribution list of all inspection reports.

5 ☐ For Geo-Seal L&M Warranties, Geo-Seal Certified Inspector shall perform pre-pour inspection of the Geo-Seal barrier.

Project Conditions

6 **Has the environmental data been reviewed by EPRO?** ■ Yes ☐ No

7 **Is there contamination present?** ■ Yes ☐ No

8 **If Yes, indicate what is present:** ■ Chlorinated Solvents ☐ Hydrocarbons ☐ Methane Gas ☐ Other _____

9 **Sub-slab vent system?** ■ Yes ☐ No

10 **Retaining Walls?** ☐ Yes ☐ No

11 **Elevator Pits?** ☐ Yes ☐ No

Page Notes

PRE-MEETING TOOK PLACE ON TEAMS; PARTLOW GEOLOGICAL WAS ONLY CONTRACTED AS A THIRD - PARTY INSPECTOR. ANY WARRARNTIES MADE WERE BETWEEN EPCO AND S&H - OR HARRISON CONSTRUCTION.

Geo-Seal System Selection - Underslab

System Information

Vapor Mitigation System
(System Components)

☐ **Geo-Seal 100** BASE (18 mils), CORE (60 mils), BOND (18 mils)
☐ **Geo-Seal EV80** EV30 (31 mils), CORE (30 mils), BOND (18 mils)
☐ **Geo-Seal 60** FILM (11 mils), CORE (30 mils), BOND (18 mils)
■ **Geo-Seal EV40s** EV40 (41 mils), CORE (Seams)
☐ Other _____

System Variance Approved? ☐ Yes ☐ No **List Variance Products** _____

Application Area ROUGHLY 1600 square feet (ft^2)

Installation Details

1	**Underslab substrate:**	■ Gravel (< 3/4") ☐ Mud Slab	☐ Native Soil	☐ Sand	☐ Other _____
2	**If multiple slab pours, Geo-Seal will be exposed outside form 12" (min.)**	☐ Yes	■ No	Contractor responsible: _____	
3	**Aggregate layer over system?**	■ Yes ☐ No |	■ Gravel (< 3/4")	☐ Sand	Contractor responsible: _____
4	**Will venting be installed?**	■ Yes ☐ No |	■ Vapor-Vent	☐ Perf. Pipe	Contractor responsible: _____
5	**Confirm internal space of slab penetrating conduits and sleeves will be sealed off from soil gases with impermeable material fill.**	■ Yes	☐ No	Contractor responsible: _____	
6	**Confirm all conduit/pipe clusters with annular space less than 3" will have a 6" mud slab poured per detail.**	■ Yes	☐ No	Contractor responsible: _____	
7	**Will Vapor Stakes, or similar products, be installed?**	☐ Yes	☐ No	Contractor responsible: _____	
8	**Confirm only brick/concrete dobies will be used and no rebar chairs.**	☐ Yes	☐ No	Contractor responsible: _____	
9	**Confirmation of smoke test observation?**	■ Yes	☐ No	Contractor responsible: _____	
10	**Confirmation of pre-pour inspection? (Geo-Seal L&M warranty requirement)**	☐ Yes	☐ No	Contractor responsible: _____	

Detail Review
(Check box after review)

11 ☐ Transitions 12 ☐ Terminations 13 ☐ Penetrations 14 ☐ Custom Details _____

15 ☐ Details approved by project team. 16 ☐ Specifications match project conditions and details. 17 ☐ Additional details needed. (Provided by: _____)

Page Notes

Geo-Seal System Selection - Elevator Pits & Retaining Walls

System Information

☐ Check box if project **does not** have elevator pits. *(If checked, skip questions 28 and 29.)*

☐ Check box if project **does not** have retaining walls. *(If checked, skip question 30)*

1 **Elevator Pit Slab - Underslab system used?**

☐ **Geo-Seal 100** BASE (18 mils), CORE (60 mils), BOND (18 mils) ☐ **E.Protect+** e.base 316, e.spray (100 mils), e.shield 205 ☐ **E.Protect** e.base 205, e.spray (80 mils), e.shield 205 ☐ **PreTak** PreTak ☐ Other _____

System Variance Approved? ☐ Yes ☐ No **List Variance Products** _____

Application Area _____ square feet (ft^2)

2 **Elevator Pit Walls - Wall system used?**

☐ **Geo-Seal 100** BASE (18 mils), CORE (60 mils) ☐ **E.Protect+ Wall** e.spray (80 mils), e.shield 205b ☐ **PreTak** PreTak ☐ Other _____

System Variance Approved? ☐ Yes ☐ No **List Variance Products** _____

Application Area _____ square feet (ft^2)

3 **Retaining Walls - Wall system used?**

☐ **Geo-Seal 100** BASE (18 mils), CORE (60 mils) ☐ **E.Protect+ Wall** e.spray (80 mils), e.shield 205b ☐ **PreTak** PreTak ☐ Other _____

System Variance Approved? ☐ Yes ☐ No **List Variance Products** _____

Application Area _____ square feet (ft^2)

Installation Details

4 **Do hydrostatic conditions exist?** ☐ Yes ☐ No

5 **Elevator pit substrate:** ☐ Gravel (< 3/4") ☐ Mud Slab ☐ Native Soil ☐ Sand ☐ Other _____

6 **Elevator pit design:** ☐ Over Excavated ☐ Blindside ☐ Single Pour ☐ Two Pour ☐ Other _____

7 **Elevator pit concrete type:** ☐ Cast-in-Place ☐ Shotcrete ☐ CMU ☐ Precast ☐ Other _____

8 **Retaining wall design:** ☐ Over Excavated ☐ Blindside ☐ Single Pour ☐ Two Pour ☐ Other _____

9 **Retaining wall concrete type:** ☐ Cast-in-Place ☐ Shotcrete ☐ CMU ☐ Precast ☐ Other _____

10 **Will a Link-Seal, or equivalent, be used on sleeved penetrations?** ☐ Yes ☐ No Contractor responsible: _____

11 **Will EPRO drainmat be used?** ☐ Yes ☐ No | ☐ e.drain 6000 ☐ e.drain ☐ Other _____

12 **Will EPRO waterstop be used?** ☐ Yes ☐ No | ☐ BentoTak ☐ e.stop b ☐ Other _____

13 **Backfill material:** ☐ Gravel (< 3/4") ☐ Native Soil ☐ Sand ☐ Other _____

14 **Height of backfill lifts?** _____ feet **Compacted lifts?** ☐ Yes ☐ No Contractor responsible: _____

Detail Review
(Check box after review)

15 ☐ Transitions 16 ☐ Terminations 17 ☐ Penetrations 18 ☐ Custom Details _____

19 ☐ Details approved by project team. 20 ☐ Specifications match project conditions and details. 21 ☐ Additional details needed. (Provided by: _____)

Page Notes

Attendance and Acceptance

(This is confirmation of attendance of this pre-construction meeting and acceptance of Geo-Seal guidelines.)

Owner's Rep CHASE ADCOX — **Email Address** chaseadcox@gmail.com
Company Name CBA PROPERTIES, LLC — **Phone Number**
Date 1/13/26 (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

General Contractor THOMAS ZEGLER / JOHN JOHNSON — **Email Address** tzegler@harrison-const.com ; jjohnson@harrison-const.com
Company Name HARRISON CONSTRUCTION — **Phone Number**
Date 1/13/26 (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

Geo-Seal Inspector KRISTIN FAIR — **Email Address** kristin@partlowgeological.com
Company Name PARTLOW GEOLOGICAL — **Phone Number**
Date 1/13/26 (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

Geo-Seal Applicator DANNY CHRISTOPHER — **Email Address**
Company Name S & H WATERPROOFING AND CONSTRUCTION — **Phone Number**
Date 1/13/26 (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

EPRO Representative — **Email Address**
Company Name — **Phone Number**
Date (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

Concrete Contractor — **Email Address**
Company Name — **Phone Number**
Date (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

Rebar Contractor — **Email Address**
Company Name — **Phone Number**
Date (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

Architect/Designer — **Email Address**
Company Name — **Phone Number**
Date (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

Environmental Engineer — **Email Address**
Company Name — **Phone Number**
Date (month/day/year) — **Signature** (Typed name serves as signature if filling electronically)

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Appendix F

Inspection Report

Geo-Seal Inspection Report

Project Information

Report Number:	01	**Inspection Date: (m/d/y)**	1/15/2026	**Report Number:**	01
Project Name:	CLOVERDALE AT HACKBERRY			**E.Track Number:**	
Site Address:	1405 HACKBERRY LANE, TUSCALOOSA, ALABAMA 35401			**Date of Submission: (m/d/y)**	3/11/2026

Distribution List

Mandatory	Name	Company	Email
Owners Representative:	CHASE ADCOX	CBA PROPERTIES, LLC	
General Contractor:	THOMAS ZEGLER/JOHN JOHNSON	HARRISON CONSTRUCTION COMPANY	
Geo-Seal Applicator:	DANNY CHRISTOPHER	S & H WATERPROOFING AND CONST.	
Epro Representative:			

Optional	Name	Company	Email
Architect:			
Environmental Engineer:			

Geo-Seal Certified Inspector

Signature: KF

Name: KRISTIN FAIR

Reviewed by Signature: KF

Name: KRISTIN FAIR

Inspection Report Overview

Weather Conditions: SUNNY / WINDY

Temperature: 42

Location of Inspection: BUILDING A

Materials being used: GEO SEAL EV40, 8FT 3" PVC, VAPOR-VENT

Name of Geo-Seal applicator foreman present: DANNY DICKENS

☐ Pertinent parties notified of deficient areas before leaving site

Number of new Action Items listed on this report: 0

Number of outstanding Action Items: 0

Number of Checklists relating to this report: RISER WAS MOVED TO THICKER WALL, PER CONVERSATION FOR SITE FORMAN AND PLUMER, DRAWING UPDATED.

Number of Smoke Tests conducted: 4

Referenced Smoke Test report number: 4

Square footage of area observed: 1600 SQ FT

Number of Complete Penetrations Observed: 20

Lineal Feet of Terminations Observed:

Products being installed during observation: CONCRETE

Inspection Notes

RISER WAS MOVED, PER CONVERSATION WITH SITE FOREMAN AND HARRISONS PLUMER. SEE DRAWING BELOW FOR UPDATED LOCATION.

CONCRETE OVER BARRIER WILL BE POURED TOMORROW - 1/16/2026 - CHECKED TO MAKE SURE NO DAMAGE OCCURED BEFORE AND DURING POURING

Site Inspection Map

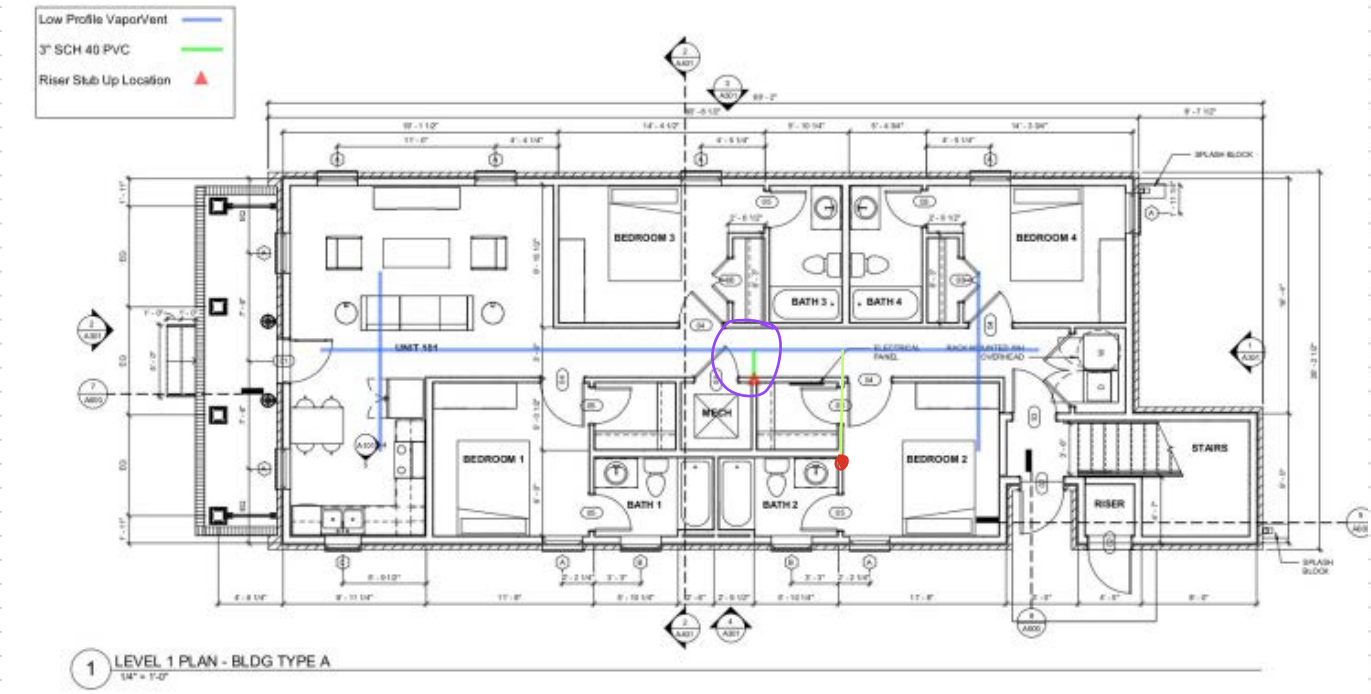
Identify the Following

Area of observation: 1600 SQ FT

Location of new action items: 0

Location of pending Action Items: 0

Area of each Smoke Test: 400



Notes

THE OLD RISER CIRCLED IN PURPLE WAS CHANGED. NEW RISER LOCATION MARKED. WAS PRESENT WITH SITE FOREMAN AND HARRISONS PLUMER DURING THE CHANGE AND INSTALLATION OF THE RISER. INSTALLATION WAS FROM 9:30 AM TO 2:30PM. SMOKE TESTING WAS CONDUCTED FROM 2:30PM TO 3:00PM AND REPAIRS OF LEAKS WERE DONE RIGHT AFTER (3:00PM - 3:30PM). INSPECTION WAS DONE FOR LEAVING SITE AROUND 5PM AND FINAL INSPECTION WAS DONE BEFORE AND DURING THE FINAL CONCRETE POURED OVER BARRIER THE NEXT DAY.

- PLUMER CONTINUED THE RISER TO THE ROOF

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Inspection Photographs



Photo 1: Eastern side of the building. Installing the Vapor-vent before the barrier.



Photo 2: Center part of the building. Installing the Vapor-vent before the barrier.



Photo 3: Western side of the building. Installing the Vapor-vent before the barrier (left photo). Installing the Vapor-vent Riser before the barrier (right photo).



Photo 4: Installation of the Vapor barrier, before smoke testing.



Photo 5: Smoke testing holes.



Photo 6: Leaks marked during testing.



Photo 7: Leak marked during testing.



Photo 8: Leak marked during testing.



Photo 9: Leak marked during testing.



Photo 10: Repaired smoke testing holes.



Photo 11: Repaired smoke testing holes.



Photo 12: Repaired smoke testing holes (left photo). Repair the leaking hole (right photo).

Geo-Seal Inspection Report

Project Information

Report Number:	02	**Inspection Date: (m/d/y)**	2/5/2026	**Report Number:**	02
Project Name:	CLOVERDALE AT HACKBERRY			**E.Track Number:**	
Site Address:	1405 HACKBERRY LANE, TUSCALOOSA, ALABAMA 35401			**Date of Submission: (m/d/y)**	3/11/2026

Distribution List

Mandatory	Name	Company	Email
Owners Representative:	CHASE ADCOX	CBA PROPERTIES, LLC	
General Contractor:	THOMAS ZEGLER/JOHN JOHNSON	HARRISON CONSTRUCTION COMPANY	
Geo-Seal Applicator:	DANNY CHRISTOPHER	S & H WATERPROOFING AND CONST.	
Epro Representative:			
Optional	**Name**	**Company**	**Email**
Architect:			
Environmental Engineer:			

Geo-Seal Certified Inspector

Signature:		**Reviewed by Signature:**	
Name:	KRISTIN FAIR	**Name:**	KRISTIN FAIR

Inspection Report Overview

Weather Conditions:	SUNNY / LIGHT WINDY	**Temperature:**	41
Location of Inspection:	BUILDING D	**Materials being used:**	GEO SEAL EV40, 8FT 3" PVC, VAPOR-VENT

Name of Geo-Seal applicator foreman present: DANNY DICKENS

☐ Pertinent parties notified of deficient areas before leaving site

Number of new Action Items listed on this report: 0

Number of outstanding Action Items: 0

Number of Checklists relating to this report:

Number of Smoke Tests conducted:	1	**Referenced Smoke Test report number:**	1

Square footage of area observed: 1800 SQ FT

Number of Complete Penetrations Observed: 24

Lineal Feet of Terminations Observed:

Products being installed during observation: CONCRETE

Inspection Notes

RISER WAS MOVED, PER CONVERSATION WITH SITE FOREMAN AND HARRISONS PLUMER. SEE DRAWING BELOW FOR UPDATED LOCATION.

CONCRETE OVER BARRIER WILL BE POURED TOMORROW - 2/6/2026 - CHECKED TO MAKE SURE NO DAMAGE OCCURED BEFORE AND DURING POURING

Site Inspection Map

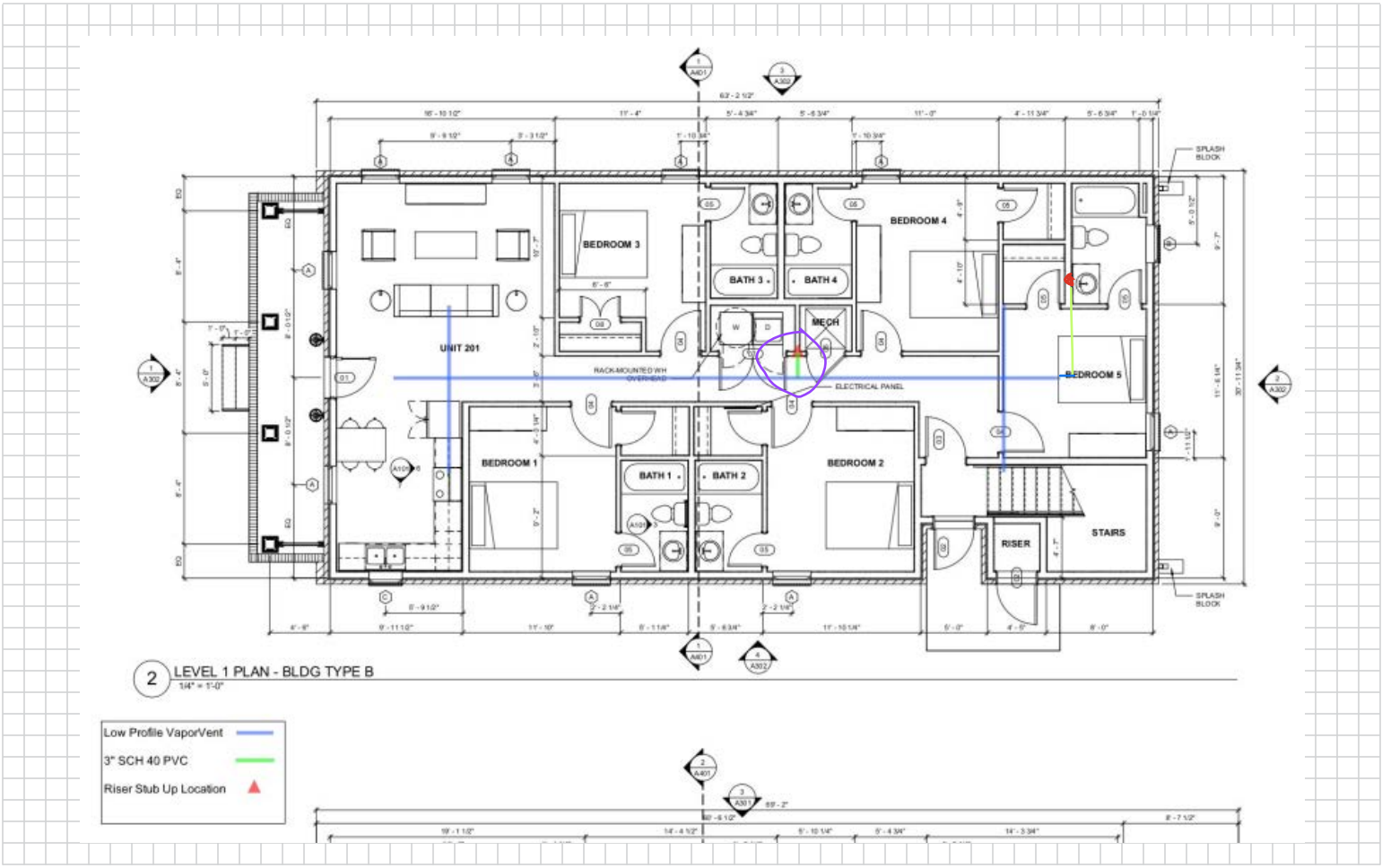
Identify the Following

Area of observation: 1800 SQ FT

Location of new action items: 0

Location of pending Action Items: 0

Area of each Smoke Test: 1800 SQ FT



Notes

THE OLD RISER CIRCLED IN PURPLE WAS CHANGED. NEW RISER LOCATION MARKED. WAS PRESENT WITH SITE FOREMAN AND HARRISONS PLUMER DURING THE CHANGE AND INSTALLATION OF THE RISER. INSTALLATION WAS FROM 9:30 AM TO 12:00PM. SMOKE TESTING WAS CONDUCTED FROM 12:00PM TO 12:30PM AND REPAIRS OF LEAKS WERE DONE RIGHT AFTER (12:30PM - 1:00PM). INSPECTION WAS DONE FOR LEAVING SITE AROUND 2PM AND FINAL INSPECTION WAS DONE BEFORE AND DURING THE FINAL CONCRETE POURED OVER BARRIER THE NEXT DAY.

- PLUMER CONTINUED THE RISER TO THE ROOF

Inspection Photographs



Photo 1: Installing the Vapor barrier; Vapor-vent already installed.



Photo 2: Riser location.



Photo 3: Installation of the Vapor barrier, before sealing.



Photo 4: Installation of the Vapor barrier, during sealing.



Photo 5: Installation of the Vapor barrier, during sealing.



Photo 6: Installation of the Vapor barrier, during sealing.



Photo 7: Installation of the Vapor barrier, during sealing.



Photo 8: Smoke testing.



Photo 9: Repaired the smoke testing hole.

Geo-Seal Inspection Report

Project Information

Report Number:	03/04	**Inspection Date: (m/d/y)**	3/11/2026	**Report Number:**	03/04
Project Name:	CLOVERDALE AT HACKBERRY			**E.Track Number:**	
Site Address:	1405 HACKBERRY LANE, TUSCALOOSA, ALABAMA 35401			**Date of Submission: (m/d/y)**	3/11/2026

Distribution List

Mandatory	Name	Company	Email
Owners Representative:	CHASE ADCOX	CBA PROPERTIES, LLC	
General Contractor:	THOMAS ZEGLER/JOHN JOHNSON	HARRISON CONSTRUCTION COMPANY	
Geo-Seal Applicator:	DANNY CHRISTOPHER	S & H WATERPROOFING AND CONST.	
Epro Representative:			

Optional	Name	Company	Email
Architect:			
Environmental Engineer:			

Geo-Seal Certified Inspector

Signature:		**Reviewed by Signature:**	
Name:	KRISTIN FAIR	**Name:**	KRISTIN FAIR

Inspection Report Overview

Weather Conditions:	CLOUDY / LIGHT WIND	**Temperature:**	82
Location of Inspection:	BUILDING B AND C	**Materials being used:**	GEO SEAL EV40, 8FT 3" PVC, VAPOR-VENT

Name of Geo-Seal applicator foreman present: DANNY DICKENS

☐ Pertinent parties notified of deficient areas before leaving site

Number of new Action Items listed on this report: 0

Number of outstanding Action Items: 0

Number of Checklists relating to this report:

Number of Smoke Tests conducted:	1 PER BUILDING	**Referenced Smoke Test report number:**	1 PER BUILDING

Square footage of area observed: 1800 SQ FT PER BUILDING

Number of Complete Penetrations Observed: 24 PER BUILDING

Lineal Feet of Terminations Observed:

Products being installed during observation: CONCRETE

Inspection Notes

RISER WAS MOVED, PER CONVERSATION WITH SITE FOREMAN AND HARRISONS PLUMER. SEE DRAWING BELOW FOR UPDATED LOCATION.

CONCRETE OVER BARRIER WILL BE POURED TOMORROW - 3/12/2026 - CHECKED TO MAKE SURE NO DAMAGE OCCURED BEFORE AND DURING POURING

Site Inspection Map

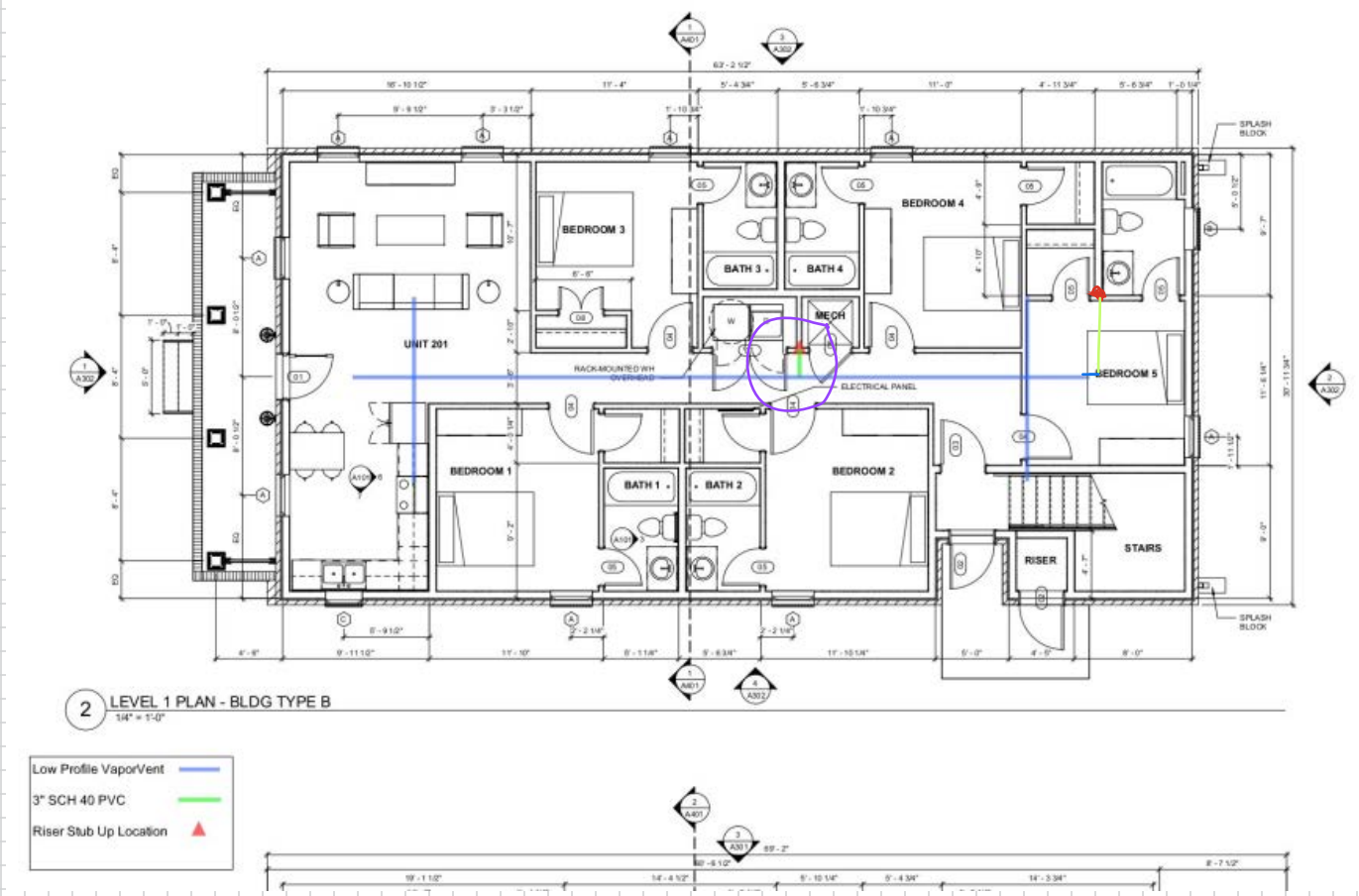
Identify the Following

Area of observation: 1800 SQ FT PER BUILDING

Location of new action items: 0

Location of pending Action Items: 0

Area of each Smoke Test: 1800 SQ FT PER BUILDING



Notes

THE OLD RISER CIRCLED IN PURPLE WAS CHANGED. NEW RISER LOCATION MARKED. WAS PRESENT WITH SITE FOREMAN AND HARRISONS PLUMER DURING THE CHANGE AND INSTALLATION OF THE RISER. INSTALLATION WAS FROM 9:30 AM TO 4:00PM. SMOKE TESTING WAS CONDUCTED FROM 4:00PM TO 5:00PM AND REPAIRS OF LEAKS WERE DONE RIGHT AFTER (5:30PM - 6:00PM). INSPECTION WAS DONE FOR LEAVING SITE AROUND 6PM AND FINAL INSPECTION WAS DONE BEFORE AND DURING THE FINAL CONCRETE POURED OVER BARRIER THE NEXT DAY.

- PLUMER CONTINUED THE RISER TO THE ROOF

Inspection Photographs



Photo 1: Building C - Vapor-vent installation.



Photo 2: Building C - Riser location.



Photo 3: Building C - Installation of the Vapor barrier.



Photo 4: Building C and Building B - Installation of the Vapor barrier.



Photo 5: Building B - Installation of the Vapor barrier, during sealing (Riser).



Photo 6: Building C - Installation of the Vapor barrier, during sealing (Riser).



Photo 7: Building B - Installation of the Vapor barrier.



Photo 8: Smoke testing.



Photo 9: Leak on Building B.



Photo 10: Leak on Building C.



Photo 11: Repaired the smoke testing hole.

Certified Gas Vapor Barrier Inspector Certificate

Presented to:

Kristin Fair

For successful completion of all requirements in the inspection procedures and protocol

Of Geo-Seal Gas Vapor Barrier Systems

Issued

This 30th Day of December 2025

Certification Is Valid For A Period Of 2 Years

EPRO Services, Inc.