

**DRAFT**

# FILL MATERIAL SAMPLING REPORT

12145 CHRISTY STREET  
DETROIT, WAYNE COUNTY, MICHIGAN 48205



FEBRUARY 25, 2026

PREPARED FOR:

**THE CITY OF DETROIT DEMOLITION DEPARTMENT**

1301 THIRD STREET, SUITE 606

DETROIT, MICHIGAN 48226



# FILL MATERIAL SAMPLING REPORT

12145 CHRISTY STREET  
DETROIT, WAYNE COUNTY, MICHIGAN 48205

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## EXECUTIVE SUMMARY

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to perform sampling and analysis of fill materials at the property commonly addressed as 12145 Christy Street, Detroit, Wayne County, Michigan (hereinafter, the "Site"). The Site location, as referenced to nearby roads and major geographic features, is shown on Figure 1, *Site Location Map*. Figure 2, *Site Layout*, depicts the current layout of the Site.

This Executive Summary is provided to summarize the results of the work performed at the Site. The Executive Summary is general in nature and should not be used to replace or be considered apart from the entirety of this report.

The purpose of the work was to assist the COD's blight remediation efforts with the sampling and analysis of fill material at the Site through soil sample collection from pre-determined depths, as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. Sample analyses associated with this work included volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs); polychlorinated biphenyls (PCBs); arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc (10 Michigan metals); chloride; herbicides; and pesticides. Analytical results were compared to the current generic residential cleanup criteria (GRCC) promulgated under Part 201 of the *Natural Resources and Environmental Protection Act* (NREPA), 1994 P.A. 451, as amended (Part 201).

Pursuant to a request by the COD, MSG has completed sampling and analysis of fill material at the Site, as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. Results of this work, which are subject to the limitations presented in *Appendix A, Limitations*, incorporated by reference herewith, revealed the following:

- The stratigraphy encountered during soil boring advancement of 12145 SB01, 12145 SB02, and 12145 SB03 generally consisted of brown and gray sand and silty clay to six (6) feet below ground surface (bgs), the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.
- Concentrations of arsenic were detected in soil samples 12145 SB01 (1-2')\_20260203, 12145 SB02 (3-4')\_20260203, and/or 12145 SB03 (5-6')\_20260203 in excess of Part 201 groundwater surface water interface protection criteria (GSIPC), drinking water protection criteria (DWPC), and/or direct contact criteria (DCC).
- Concentrations of barium, chromium (Total), copper, lead, and zinc were detected in soil samples 12145 SB01 (1-2')\_20260203, 12145 SB02 (3-4')\_20260203, and/or 12145 SB03 (5-6')\_20260203 at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- VOCs, PCBs, chloride, pesticides, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface water exposure pathway can be considered not applicable. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

MSG has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the state's Part 201 GRCC, as applicable.

MSG warrants that no substantive information or documentation was deleted, omitted, or changed that would otherwise cause the MSG to reach a different conclusion. Furthermore, MSG understands that the COD and its agencies and authorities may rely upon the overall completeness, accuracy, and conclusions in this report and hereby provides reliance on the contents presented herein.

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## 1.0 INTRODUCTION

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to conduct sampling and analysis of fill materials at the property commonly addressed as 12145 Christy Street, Detroit, Wayne County, Michigan (hereinafter, the "Site"). The Site location as referenced to nearby roads and major geographic features is presented as *Figure 1, Site Location Map*. *Figure 2, Site Layout*, depicts the current layout of the Site.

The purpose of this work was to assist the COD's blight remediation efforts with the sampling and analysis of fill material at the Site through soil sample collection from pre-determined depths. The scope of work for this investigation was performed in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. This report presents the findings of this investigation. Soil samples were collected by MSG on February 3, 2026. The findings of this report are valid as of the report date, subject to the limitations presented in *Appendix A, Limitations*.

At the time of this investigation, the Site was vacant and formerly occupied by residential structures. Former Site building(s) had been demolished as part of the Blight Removal Program prior to commencement of this work.

## 2.0 PURPOSE AND SCOPE OF WORK

The purpose of the work was to assist the COD's blight remediation efforts with the sampling and analysis of fill material at the Site through soil sample collection from pre-determined depths, as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and modified in the field (when necessary) based on encountered conditions and professional judgment of the MSG field geologist.

MSG performed the following scope of work in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025:

- Advanced three (3) onsite soil borings to a maximum depth of six feet below ground surface (bgs) utilizing a direct push drill rig at the locations depicted on *Figure 2*.
- Collected one (1) discrete soil sample for laboratory analysis from each soil boring at a depth of 1-2 feet bgs, 3-4 feet bgs, or 5-6 feet bgs, depending on the soil boring.
- Submitted soil samples to an independent analytical laboratory for chemical analysis.
- Prepared this report summarizing the activities and results of this work.

Per the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, sample analyses included volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs); polychlorinated biphenyls (PCBs); arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc (10 Michigan metals); chloride; herbicides; and pesticides. Soil sample analytical results were compared to the current generic residential cleanup criteria (GRCC) promulgated under Part 201 of the *Natural Resources and Environmental Protection Act* (NREPA), 1994 P.A. 451, as amended (Part 201).

## 3.0 SITE ASSESSMENT METHODOLOGY

The following subsections describe the methodologies employed by MSG at the Site during sampling activities that were conducted on February 3, 2026. A daily field activity report prepared by MSG is presented in *Appendix B, Daily Field Report*.

### 3.1 Preliminary Site Work Activities

Prior to conducting subsurface soil sampling activities, MSG contacted the MISSDIG utility locating system to identify and physically mark underground utilities. If necessary, proposed soil boring locations were modified based on the results of the utility markings. Additionally, MSG reviewed readily available Site building records or documents to ensure that this scope of work was conducted on the correct property and in the areas of the former Site structure.

### 3.2 Soil Sample Collection

The sampling plan for the Site was based on the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and modified in the field (if necessary) based on encountered conditions and professional judgment of MSG's field personnel. MSG advanced three (3) soil borings, designated 12145 SB01, 12145 SB02, and 12145 SB03, using a direct push drill rig at the locations depicted on Figure 2. Photographs collected during the completion of this work are provided in *Appendix C, Investigation Photographs*.

Soils were continuously profiled at each soil boring location from the ground surface to the termination depth of six feet bgs using a 5-foot long, closed-piston Macro-Core® sampling device. A new disposable high-density polyethylene (HDPE) liner was placed within the sampler between each 5-foot sample interval. The recovered soil samples were examined and logged in the field by the MSG field geologist. The soils were classified by MSG's field geologist in general accordance with ASTM D 2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*. Soil descriptions were based on visual examination and interpretation by the field geologist.

Soil samples were examined for visual and olfactory indications of impact in accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and were continuously screened upon retrieval of each sample interval with a MiniRAE 10.6 electron volt (eV) photoionization detector (PID) calibrated with isobutylene span gas. The PID measures the concentration of airborne ionizable gasses and vapors and automatically displays any detected concentrations in parts per million (PPM). The PID measures total concentrations of VOC vapors present and cannot distinguish between individual VOC constituents. PID readings for each sample interval were recorded on the individual soil boring logs, which are included in *Appendix D, Soil Boring Logs*.

Soil samples were collected in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. The soil samples were placed into appropriate pre-preserved and unpreserved laboratory-supplied sample containers, as appropriate for the associated laboratory analyses. Soil samples collected for VOC analysis were placed in laboratory supplied pre-tared 40-milliliter (ml) vials with septum-sealed threaded caps that were pre-preserved with methanol provided by the analytical laboratory. Groundwater was not encountered during the investigation.

### 3.3 Decontamination

Before initiation of sampling and drilling activities and between each sampling/soil boring, equipment was cleaned to avoid the potential for cross-contamination during field activities. Pertinent equipment and tooling were thoroughly cleaned using a phosphate-free soap to remove chemical residue and caked-on soils. After sample collection was completed, each soil boring location was abandoned with the soil cuttings generated at each soil boring location and finished to match the original surface.

### 3.4 Analytical Methods

A total of three (3) soil samples designated 12145 SB01 (1-2')\_20260203, 12145 SB02 (3-4')\_20260203, and 12145 SB03 (5-6')\_20260203, were collected as part of this investigation. These soil samples were submitted to ALS Environmental Laboratory (ALS) in Holland, Michigan for laboratory analysis of the following parameters per the requested parameters as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025:

- VOCs by United States Environmental Protection Agency (USEPA) Method SW8260D;
- SVOCs by USEPA Method SW8270E;
- PCBs by USEPA Method SW8082A;
- 10 Michigan metals by USEPA Method SW6020B and SW7471B;
- Chloride by USEPA Method SW9056A;
- Herbicides by USEPA Method SW8151A; and
- Pesticides by USEPA Method SW8081B.

### 3.5 Quality Assurance/Quality Control

Quality assurance and quality control (QA/QC) was achieved in the field by using MSG's standard operating procedures (SOPs) for sample collection, sample screening, sample preservation, and chain-of-custody protocols to ensure sample integrity. Per the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, duplicate soil samples and field blanks were not collected.

Laboratory QC was achieved by using standard analytical methods, the analyses of spiked and laboratory quality control samples, and the use of internal laboratory quality assurance protocols. Review of the laboratory's QC data indicated the validity of the data and that it is able to be used for assessing soil samples collected during this work.

## 4.0 SUMMARY OF RESULTS

The following subsections include a discussion of the soil samples that were collected from the Site on February 3, 2026.

### 4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 12145 SB01, 12145 SB02, and 12145 SB03 generally consisted of brown and gray sand and silty clay to six (6) feet below ground surface (bgs), the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.

Groundwater was not encountered during soil boring activities completed as part of this investigation.

### 4.2 Soil Sample Analytical Results

Three (3) soil samples, designated 12145 SB01 (1-2')\_20260203, 12145 SB02 (3-4')\_20260203, and 12145 SB03 (5-6')\_20260203, were collected from the Site and submitted to ALS for laboratory analysis of VOCs, SVOCs, PCBs, Michigan 10 Metals, chloride, herbicides, and pesticides.

The analytical results and comparisons to applicable Part 201 GRCC are summarized in *Table 1, Soil Sample Analytical Detection Summary*. Copies of the laboratory analytical data reports and chain of custody forms are included in *Appendix E, Laboratory Analytical Reports and Chain of Custody Forms*.

A summary of the soil sample analytical detections in excess of Part 201 GRCC is provided below:

| Chemical | CAS Number | Soil Sample (feet bgs)     | Part 201 GRCC Exceeded / Concentration ( $\mu\text{g}/\text{kg}^1$ ) | Maximum Detected Concentration ( $\mu\text{g}/\text{kg}$ ) |
|----------|------------|----------------------------|----------------------------------------------------------------------|------------------------------------------------------------|
| Arsenic  | 7440-38-2  | 12145 SB01 (1-2')_20260203 | GSIPC <sup>2</sup> / 4,600                                           | 9,580                                                      |
|          |            | 12145 SB02 (3-4')_20260203 | DWPC <sup>3</sup> / 4,600                                            |                                                            |
|          |            | 12145 SB03 (5-6')_20260203 | DCC <sup>4</sup> / 7,600                                             |                                                            |

<sup>1</sup> $\mu\text{g}/\text{kg}$  – micrograms per kilogram;

<sup>2</sup>GSIPC – Groundwater Surface Water Interface Protection Criteria

<sup>3</sup>DWPC – Drinking Water Protection Criteria

<sup>4</sup>DCC – Direct Contact Criteria

### 4.3 Exposure Evaluation

MSG has completed a preliminary evaluation for the Site and associated exposure pathways. Cleanup criteria are applicable if it is reasonable and relevant for the corresponding exposure pathway to be or become complete.

Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology

of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

## 5.0 FINDINGS

MSG has evaluated the analytical results of the fill material samples collected at the Site in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. The findings of this investigation are presented below:

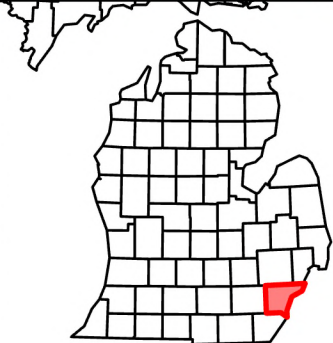
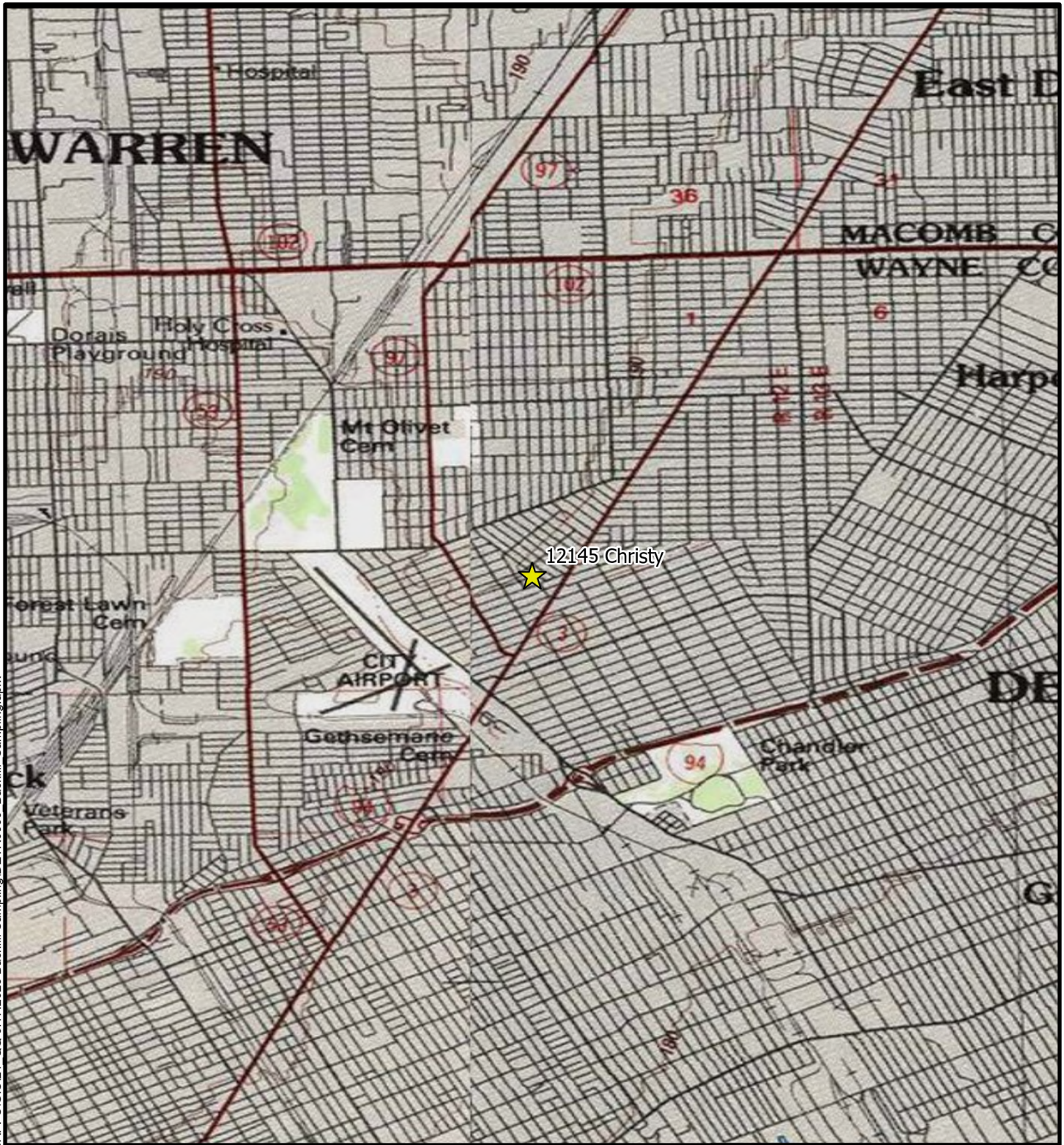
- The stratigraphy encountered during soil boring advancement of 12145 SB01, 12145 SB02, and 12145 SB03 generally consisted of brown and gray sand and silty clay to six (6) feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.
- Concentrations of arsenic were detected in soil samples 12145 SB01 (1-2')\_20260203, 12145 SB02 (3-4')\_20260203, and/or 12145 SB03 (5-6')\_20260203 in excess of Part 201 GSIPC, DWPC, and/or DCC.
- Concentrations of barium, chromium (Total), copper, lead, and zinc were detected in soil samples 12145 SB01 (1-2')\_20260203, 12145 SB02 (3-4')\_20260203, and/or 12145 SB03 (5-6')\_20260203 at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- VOCs, PCBs, chloride, pesticides, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface water exposure pathway can be considered not applicable. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

MSG has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the state's Part 201 GRCC, as applicable.

MSG warrants that no substantive information or documentation was deleted, omitted, or changed that would otherwise cause the MSG to reach a different conclusion. Furthermore, MSG understands that the COD and its agencies and authorities may rely upon the overall completeness, accuracy, and conclusions in this report and hereby provides reliance on the contents presented herein.

## FIGURES





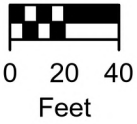
★ Site Location



**FIGURE 1**  
SITE LOCATION

12145 Christy, Detroit, MI

|                  |                 |                    |                         |
|------------------|-----------------|--------------------|-------------------------|
| DATE<br>1/8/2026 | DRAWN BY<br>JWW | DESIGNED BY<br>JWW | PROJECT NO.<br>DETR0060 |
|------------------|-----------------|--------------------|-------------------------|



- Sample Locations
- Parcels (Current)
- Subject Property

**Notes**  
• Parcel boundaries are approximate  
• Basemap Credits: SampleLocations:  
GPS\_Test:  
All Roads:  
Parcels (Current):  
Wayne - 2020 - 6in - 4-band:



**FIGURE 2**  
Site Layout

12145 Christy, Detroit, MI

|                  |                 |                    |                         |
|------------------|-----------------|--------------------|-------------------------|
| DATE<br>1/6/2026 | DRAWN BY<br>JWW | DESIGNED BY<br>KRB | PROJECT NO.<br>DETR0060 |
|------------------|-----------------|--------------------|-------------------------|

## TABLE



Table 1  
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling  
12145 Christy, Detroit, Michigan

| SOIL: Part 201/213 Generic Residential Cleanup Criteria<br>Revised October 12, 2023<br>and<br>Volatilization to Indoor Air Pathway Screening Levels<br>Revised February 26, 2024 |                   |             | Metals      |                         |                     |                       |                         |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|-------------|-------------------------|---------------------|-----------------------|-------------------------|-----------|
|                                                                                                                                                                                  |                   |             | Arsenic (B) | Barium (B)              | Chromium, Total (B) | Copper (B)            | Lead (B)                | Zinc (B)  |
| CAS Number                                                                                                                                                                       |                   |             | 7440-38-2   | 7440-39-3               | 7440-47-3           | 7440-50-8             | 7439-92-1               | 7440-66-6 |
| Units                                                                                                                                                                            |                   |             | ug/kg       | ug/kg                   | ug/kg               | ug/kg                 | ug/kg                   | ug/kg     |
| Statewide Default Background Levels                                                                                                                                              |                   |             | 5,800       | 75,000                  | 18,000              | 32,000                | 21,000                  | 47,000    |
| Drinking Water Protection Criteria (DWPC)                                                                                                                                        |                   |             | 4,600       | 1.30E+06                | 30,000              | 5.80E+06              | 7.00E+05                | 2.40E+06  |
| Groundwater Surface Water Interface Protection Criteria (GSIPC)                                                                                                                  |                   |             | 4,600       | 4.40E+05 <sup>(G)</sup> | 3,300               | 75,000 <sup>(G)</sup> | 6.00E+06 <sup>(G)</sup> | 1.60E+05  |
| Soil Volatilization to Indoor Air Inhalation (SVIIC)                                                                                                                             |                   |             | NLV         | NLV                     | NC                  | NLV                   | NLV                     | NC        |
| Soil Volatilization to Indoor Air Pathway (SVIAP)                                                                                                                                |                   |             | NC          | NC                      | NC                  | NC                    | NC                      | NC        |
| Infinite Source Volatile Soil Inhalation Criteria (VSIC)                                                                                                                         |                   |             | NLV         | NLV                     | NC                  | NLV                   | NLV                     | NC        |
| Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)                                                                                                                  |                   |             | NLV         | NLV                     | NC                  | NLV                   | NLV                     | NC        |
| Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)                                                                                                                  |                   |             | NLV         | NLV                     | NC                  | NLV                   | NLV                     | NC        |
| Particulate Soil Inhalation Criteria (PSIC)                                                                                                                                      |                   |             | 7.20E+05    | 3.30E+08                | 2.60E+05            | 1.30E+08              | 1.00E+08                | NC        |
| Direct Contact Criteria (DCC)                                                                                                                                                    |                   |             | 7,600       | 3.70E+07                | 2.50E+06            | 2.00E+07              | 4.00E+05                | 1.70E+08  |
| Soil Saturation Concentration Screening Levels (Csat)                                                                                                                            |                   |             | NA          | NA                      | NC                  | NA                    | NA                      | NC        |
| Sample ID                                                                                                                                                                        | Sample Depth (ft) | Sample Date |             |                         |                     |                       |                         |           |
| 12145 SB01                                                                                                                                                                       | 1.0 - 2.0         | 02/03/2026  | 6,590       | 17,000                  | 6,940               | 11,900                | 6,400                   | 40,300    |
| 12145 SB02                                                                                                                                                                       | 3.0 - 4.0         | 02/03/2026  | 9,580       | 18,200                  | 8,910               | 14,700                | 8,020                   | 54,700    |
| 12145 SB03                                                                                                                                                                       | 5.0 - 6.0         | 02/03/2026  | 6,910       | 14,800                  | 6,950               | 11,300 S              | 6,010                   | 42,000    |

Notes

Only parameters with one or more detections are shown.

ug/kg = Micrograms per Kilogram.

Exceeds Generic Drinking Water Protection Criteria.

Exceeds Groundwater Surface Water Interface Protection Criteria.

Exceeds Applicable Soil Vapor Inhalation Criteria/Screening Levels.

Exceeds Two or More DWPC, GSIPC, and/or Applicable Soil Vapor Inhalation Criteria/Screening Levels.

Exceeds PSIC, DCC, and/or Csat, likely exceeds others.

**Bold** indicates concentration above laboratory reporting limits.

NC = No Criteria; NA = Not Applicable; NLV = Not Likely to Volatize; NLL = Not Likely to Leach.

Part 201 GSIPC Hardness specific criteria (G) calculated using a regional hardness value

of the lower portion of the lower peninsula, 150 mg CaCO3/L.

Notes in parentheses and standard abbreviations from Part 201 Rules 299.1

through 299.50, updated October 12, 2023.

## APPENDIX A

### LIMITATIONS



## LIMITATIONS

This investigation and related documentation are site-specific, which means they pertain to the environmental conditions of the Site only.

The Mannik & Smith Group, Inc. (MSG) performed its services associated with the investigation in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. In preparing this report, MSG may have relied on information obtained from or provided by others. MSG makes no representation or warranty regarding the accuracy or completeness of this information gathered through outside sources or subcontracted services. No warranty, guarantee, or certification of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by rendering these environmental consulting services or by furnishing this written report. Environmental conditions and regulations are subject to constant change and reinterpretation. One should not assume that any on-site conditions and/or regulatory statutes or rules will remain constant after MSG has completed the scope of work for this project. Furthermore, because the facts stated in these reports are subject to professional interpretation, differing conclusions could be reached by other environmental professionals.

Contaminants may be hidden in subsurface material, covered by pavement, vegetation, or other substances. Additionally, contamination may not be present in predictable locations. MSG has prepared a logical investigation program to reduce the client's risk of discovering unknown contamination. This risk may be reduced by more extensive exploration on the Site. Even with additional exploration, it is not possible to completely eliminate the risk of discovering contamination on the Site. It can not be assumed that samples collected and conditions observed are representative of an area that has not been sampled and/or tested.

Some environmental assessments are undertaken to satisfy "due diligence", "all appropriate inquiry," or other regulatory requirements provided in federal, state, or local law. Although MSG strives to investigate a site in accordance with the scope of work as defined by written agreement with a client, it cannot warrant that the work undertaken for this report with satisfy "due diligence", "all appropriate inquiry," or any other similar standard under any federal, state, or local law.

Due to changing environmental regulatory conditions and potential on-site activities after the completion of investigation, the client may rely upon the conditions within this investigation report for a period of six months from the report's issuance date.

## APPENDIX B

DAILY FIELD REPORT





### DAILY FIELD REPORT

**Client:** City of Detroit Demolition Department  
**Project:** Sampling and Analysis of Fill Material

**Report No.:** 1  
**Job No.:** DETR0060

|                                       |                     |                               |      |     |      |
|---------------------------------------|---------------------|-------------------------------|------|-----|------|
| <b>Date:</b> 02/3/2026                | <b>Day:</b> Tuesday | <b>Temp:</b> 29°              | (AM) | N/A | (PM) |
| <b>MSG Personnel:</b> JDF, WRD, ZRG   |                     | <b>Cloud Cover:</b> 100%      | (AM) | N/A | (PM) |
|                                       |                     | <b>Precip.:</b> Snow Flurries | (AM) | N/A | (PM) |
| <b>Personnel:</b> MSG                 |                     |                               |      |     |      |
| <b>MSG Hours On-Site:</b> ~ 0.75 hour |                     |                               |      |     |      |

| Contractors Information |                                                     |                                    |
|-------------------------|-----------------------------------------------------|------------------------------------|
| Contractor:<br>MSG      | No. Men and Type:<br>3; Operator/ Geologist /Helper | Equipment Type:<br>Geoprobe 7822DT |

| Summary of Work Performed:                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Advanced three (3) onsite soil borings to a maximum depth of 6 feet below ground surface (bgs)</li> <li>Collected soil samples from each soil boring (from the interval with the greatest potential to be impacted based on field indicators).</li> </ul> |

| Field Notes:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>1009 – MSG onsite (12145 Christy)</li> <li>1014 – Unloaded equipment and marked out boring locations</li> <li>1018 – Began drilling SB01</li> <li>1023 – Finished drilling SB01</li> <li>1023 – Began drilling SB02</li> <li>1026 – Finished drilling SB02</li> <li>1026 – Began drilling SB03</li> <li>1030 – Finished drilling SB03</li> <li>1032 – MSG screens soils prior to sampling</li> <li>1035– Sampled 12145 SB01 (1-2')_20260203</li> <li>1039– Sampled 12145 SB02 (3-4')_20260203</li> <li>1043 – Sampled 12145 SB03 (5-6')_20260203</li> <li>1045– Packed up equipment</li> <li>1055 – MSG off site</li> </ul> |

| Supporting Documentation |                                         |                             |                       |                                         |                             |
|--------------------------|-----------------------------------------|-----------------------------|-----------------------|-----------------------------------------|-----------------------------|
| Photograph Taken         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Samples Collected     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Photo Log Attached       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | COC Attached          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Boring/MW Logs           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Field Note Book Taken | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

| Problem Identification and Corrective Measures                     |
|--------------------------------------------------------------------|
| N/A                                                                |
| Resolved? Yes <input type="checkbox"/> No <input type="checkbox"/> |

## **APPENDIX C**

INVESTIGATION PHOTOGRAPHS





Photo 1: View of the Site pre-drilling, facing north.



Photo 2: View of drilling at 12145 SB01, facing east.



Photo 3: View of drilling 12145 SB02, facing east.



Photo 4: View of drilling at 12145 SB03, facing east.



Photo 5: Viewing 12145 SB01, SB02, and SB03 soil recovery, facing north.



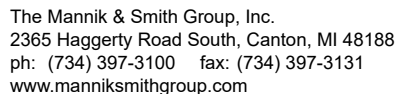
Photo 6: View of the Site post-drilling, facing north.

## APPENDIX D

SOIL BORING LOGS







Sheet 1 of 1

**PROJECT NAME** Backfill Soil Sampling

**PROJECT LOCATION** 12145 Christy, Detroit, MI

POSITION \_\_\_\_\_

**SURFACE ELEVATION** **FINAL DEPTH** 6.0 ft

LOGGED BY WRD CHECKED BY PDH

REMARKS \_\_\_\_\_

| DEPTH (ft) | SAMPLE INTERVALS | RECOVERY % | GRAPHIC LOG                                                                        | MATERIAL DESCRIPTION                               | PID (PPM) | REMARKS                                                         |
|------------|------------------|------------|------------------------------------------------------------------------------------|----------------------------------------------------|-----------|-----------------------------------------------------------------|
|            | ES               | 42         |  | Brown, Silty SAND, Some Gravel, Little Clay, Moist | 0         | Collected Soil Sample<br>12145 SB02 (3-4')<br>_20260203 at 1039 |
|            |                  |            |                                                                                    | 0                                                  |           |                                                                 |
|            |                  |            |                                                                                    | 0                                                  |           |                                                                 |
| 5          |                  |            |                                                                                    | 0                                                  |           |                                                                 |
|            |                  |            |                                                                                    | 0                                                  |           |                                                                 |
|            |                  |            | 6.0                                                                                | Terminated at 6.00 ft.                             |           |                                                                 |
| 10         |                  |            |                                                                                    |                                                    |           |                                                                 |

**LEGEND:**

|                       |                 |
|-----------------------|-----------------|
| ▽ AT TIME OF DRILLING | Not Encountered |
| ▼ AT END OF DRILLING  |                 |
| ▼ AFTER DRILLING      |                 |



## APPENDIX E

### LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY FORMS





right solutions.  
right partner.

February 11, 2026

Ryan Montri  
The Mannik & Smith Group, Inc.  
2365 Haggerty Road South  
Suite 100  
Canton, MI 48188

Re: **12145 Christy**

Date Received: **02/04/2026**

Work Order: **HN2601572**

Dear Ryan,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

**Kathy Jones-Gronda**

/S/ KATHY JONES-GRONDA

**Project Manager**



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy

**Work Order:** HN2601572  
**Date Received:** 04-Feb-2026

### **CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

#### **Sample Receipt**

3 soil/solid samples were received for analysis at ALS Environmental on 04-Feb-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

#### **WorkOrder: HN2601572**

Soil/solid results are reported on a dry-weight basis, corrected using laboratory-determined percent moisture content, unless explicitly identified otherwise.

#### **Metals**

##### **EPA 6020B-3050B-S**

###### **Run ID: 3869270**

Parent Sample HN2601572-003: The MS recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Zn Batch 2444363

Parent Sample HN2601572-003: The MS recovery was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Cu Batch 2444363

Parent Sample HN2601572-003: The MSD recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Zn Batch 2444363

###### **Run ID: 3869256**

Samples HN2601572-001 through -003: The reporting limits are elevated for Cd, Se and Ag due to the dilutions needed for high concentrations of non-target analytes.

## SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.



**CLIENT ID: 12145 SB01 (1-2')\_20260203**

**Lab ID: HN2601572-001**

| Analyte          | Results | Flag | MRL  | Units | Method    |
|------------------|---------|------|------|-------|-----------|
| Arsenic          | 6.59    |      | 3.22 | mg/kg | EPA 6020B |
| Barium           | 17.0    |      | 3.22 | mg/kg | EPA 6020B |
| Chromium         | 6.94    |      | 3.22 | mg/kg | EPA 6020B |
| Copper           | 11.9    |      | 3.22 | mg/kg | EPA 6020B |
| Lead             | 6.40    |      | 3.22 | mg/kg | EPA 6020B |
| Percent Moisture | 7.3     |      | 0.1  | %     | EPA 3550C |
| Zinc             | 40.3    |      | 6.44 | mg/kg | EPA 6020B |

**CLIENT ID: 12145 SB02 (3-4')\_20260203**

**Lab ID: HN2601572-002**

| Analyte          | Results | Flag | MRL  | Units | Method    |
|------------------|---------|------|------|-------|-----------|
| Arsenic          | 9.58    |      | 3.22 | mg/kg | EPA 6020B |
| Barium           | 18.2    |      | 3.22 | mg/kg | EPA 6020B |
| Chromium         | 8.91    |      | 3.22 | mg/kg | EPA 6020B |
| Copper           | 14.7    |      | 3.22 | mg/kg | EPA 6020B |
| Lead             | 8.02    |      | 3.22 | mg/kg | EPA 6020B |
| Percent Moisture | 6.4     |      | 0.1  | %     | EPA 3550C |
| Zinc             | 54.7    |      | 6.45 | mg/kg | EPA 6020B |

**CLIENT ID: 12145 SB03 (5-6')\_20260203**

**Lab ID: HN2601572-003**

| Analyte          | Results | Flag | MRL  | Units | Method    |
|------------------|---------|------|------|-------|-----------|
| Arsenic          | 6.91    |      | 3.36 | mg/kg | EPA 6020B |
| Barium           | 14.8    |      | 3.36 | mg/kg | EPA 6020B |
| Chromium         | 6.95    |      | 3.36 | mg/kg | EPA 6020B |
| Copper           | 11.3    | S    | 3.36 | mg/kg | EPA 6020B |
| Lead             | 6.01    |      | 3.36 | mg/kg | EPA 6020B |
| Percent Moisture | 9.7     |      | 0.1  | %     | EPA 3550C |
| Zinc             | 42.0    |      | 6.72 | mg/kg | EPA 6020B |

## SAMPLE SUMMARY



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Workorder:** HN2601572

| Laboratory Sample ID | Client Sample ID           | Sample Matrix | Collection Date | Date Received  |
|----------------------|----------------------------|---------------|-----------------|----------------|
| HN2601572-001        | 12145 SB01 (1-2')_20260203 | SOIL/SOLID    | 02/03/26 10:35  | 02/04/26 06:00 |
| HN2601572-002        | 12145 SB02 (3-4')_20260203 | SOIL/SOLID    | 02/03/26 10:39  | 02/04/26 06:00 |
| HN2601572-003        | 12145 SB03 (5-6')_20260203 | SOIL/SOLID    | 02/03/26 10:43  | 02/04/26 06:00 |

# Chain of Custody Form

Laboratory location:

Page \_\_\_\_ of \_\_\_\_



Telephone : + 1 616 399 6076

| ALS Project Manager: |                             |                                |      |        |       |           | Work Order #:                         |                                                     |   |   |   |   |   |   |   |   |      |  |
|----------------------|-----------------------------|--------------------------------|------|--------|-------|-----------|---------------------------------------|-----------------------------------------------------|---|---|---|---|---|---|---|---|------|--|
| Project Information  |                             |                                |      |        |       |           | Parameter/Method Request for Analysis |                                                     |   |   |   |   |   |   |   |   |      |  |
| Project Name         |                             | 12145 Christy                  |      |        |       |           | A                                     | VOCs (U.S. EPA Method 8260C (or Method 8260))       |   |   |   |   |   |   |   |   |      |  |
| Project Number       |                             | DETR0060                       |      |        |       |           | B                                     | SVOCs (U.S. EPA Method 8270D (or Method 8270))      |   |   |   |   |   |   |   |   |      |  |
| Bill To Company      |                             | Mannik Smith Group             |      |        |       |           | C                                     | PCBs (U.S. EPA Method 8082)                         |   |   |   |   |   |   |   |   |      |  |
| Invoice Attn:        |                             |                                |      |        |       |           | D                                     | Mi 10 Metals (U.S. EPA 6000/7000 Series Methods)    |   |   |   |   |   |   |   |   |      |  |
| Address              |                             | 2365 South Haggerty Road       |      |        |       |           | E                                     | Chlorides (U.S. EPA Method 9056A)                   |   |   |   |   |   |   |   |   |      |  |
|                      |                             |                                |      |        |       |           | F                                     | Pesticides (U.S. EPA Method 8081B (or Method 8081)) |   |   |   |   |   |   |   |   |      |  |
| City/State/Zip       |                             | Canton, Mi 48188               |      |        |       |           | G                                     | Herbicides (U.S. EPA Method 8151A (or Method 8151)) |   |   |   |   |   |   |   |   |      |  |
| Phone                |                             | 734-397-3100                   |      |        |       |           | H                                     |                                                     |   |   |   |   |   |   |   |   |      |  |
| Fax                  |                             |                                |      |        |       |           | I                                     |                                                     |   |   |   |   |   |   |   |   |      |  |
| e-Mail Address       |                             | rmontri@manniksmithgroup.com   |      |        |       |           | J                                     |                                                     |   |   |   |   |   |   |   |   |      |  |
| e-Mail Address       |                             | omitchell@manniksmithgroup.com |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| No.                  | Sample Description          | Date                           | Time | Matrix | Pres. | # Bottles | A                                     | B                                                   | C | D | E | F | G | H | I | J | Hold |  |
| 1                    | 12145 SB01 (1-2')_2026 0203 | 2/3/26                         | 1035 | Soil   | 7     | 3         | ✓                                     | ✓                                                   | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |   |      |  |
| 2                    | 12145 SB02 (3-4')_2026 0203 | I                              | 1039 | Soil   | 7     | 3         | ✓                                     | ✓                                                   | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |   |      |  |
| 3                    | 12145 SB03 (5-6')_2026 0203 | I                              | 1043 | Soil   | 7     | 3         | ✓                                     | ✓                                                   | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |   |      |  |
| 4                    |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| 5                    |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| 6                    |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| 7                    |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| 8                    |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| 9                    |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |
| 10                   |                             |                                |      |        |       |           |                                       |                                                     |   |   |   |   |   |   |   |   |      |  |

|                                                                                               |  |                  |               |                                                                                                                                                                                        |  |                                  |  |                               |  |                |  |
|-----------------------------------------------------------------------------------------------|--|------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|-------------------------------|--|----------------|--|
| Sampler(s): Please Print & Sign<br>WILEY DAVENPORT                                            |  | Shipment Method: |               | Required Turnaround Time:<br><input type="checkbox"/> STD 10 Wk Days <input checked="" type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour |  |                                  |  | Results Due Date:             |  |                |  |
| Relinquished by:<br>Wiley Davenport                                                           |  | Date:<br>2/3/26  | Time:<br>1554 | Received by:<br>Colin                                                                                                                                                                  |  | Notes:<br>Rec'd 2/4/26 0600 QZLL |  |                               |  |                |  |
| Relinquished by:<br>Colin                                                                     |  | Date:<br>2/3/26  | Time:<br>1700 | Received by (Laboratory):<br>DS                                                                                                                                                        |  | Cooler Temp.<br>12.6<br>3.1°C    |  | QC Package: (Check Box Below) |  |                |  |
| Logged by (Laboratory):<br>DFS                                                                |  | Date:<br>2/4/26  | Time:<br>0815 | Checked by (Laboratory):                                                                                                                                                               |  |                                  |  | Level II: Standard QC         |  | TRRP-Checklist |  |
|                                                                                               |  |                  |               |                                                                                                                                                                                        |  |                                  |  | Level III: Std QC + Raw Data  |  | TRRP Level IV  |  |
|                                                                                               |  |                  |               |                                                                                                                                                                                        |  |                                  |  | Level IV: SW846 CLP-Like      |  |                |  |
| Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035 |  |                  |               |                                                                                                                                                                                        |  |                                  |  | Other:                        |  |                |  |

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.  
Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Please click the link below for detailed Terms & Conditions:  
<https://www.alsglobal.com/ALSGroupUSACorpTC>  
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ALS Holland

3352 128<sup>th</sup> Ave., Holland MI 49424

## ALS Holland Sample Receiving Checklist

Received by: Diane F. Shaw

Date/Time: 2/4/26 0600

Carrier Name: QS

Shipping container/cooler in good condition? (Yes) / No / Not Present

Custody seals intact on shipping container/cooler? Yes / No / ~~Not Present~~

Custody seals intact on sample bottles? Yes / No / ~~Not Present~~

Chain of Custody present? (Yes) / No

COC signed when relinquished and received? (Yes) / No

COC agrees with sample labels? (Yes) / No

Samples in proper container/bottle? (Yes) / No

Sample containers intact? (Yes) / No

Sufficient sample volume for indicated test? (Yes) / No

All samples received within holding time? (Yes) / No

Container/Temp Blank temperature in compliance? (Yes) / No

Temperature(s) (°C): 3.1 / 3.1 °C

Thermometer(s): 1R6

Sample(s) received on ice? (Yes) / No

Matrix/Matrices: Solid

Cooler(s)/Kit(s): 1

Date/Time sample(s) sent to storage: 2/4/26 0900

Water – VOA vials have zero headspace? Yes / No / ~~No Vials~~

Water – pH acceptable upon receipt? Yes / No / ~~N/A~~

pH strip lot #: \_\_\_\_\_ < 2 \_\_\_\_\_ > 12 \_\_\_\_\_ Other \_\_\_\_\_

pH adjusted (note adjustments below)? Yes / No / ~~N/A~~

pH adjusted by: \_\_\_\_\_

Login Notes: \_\_\_\_\_

## REPORT QUALIFIERS AND DEFINITIONS

|    |                                                                                                                                                                     |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *  | Value exceeds Regulatory Limit (if MCL displayed)                                                                                                                   |
| a  | Analyte is non-accredited                                                                                                                                           |
| B  | Analyte detected in the associated Method Blank above the Method criteria                                                                                           |
| E  | Value above quantitation range                                                                                                                                      |
| H  | Analyzed outside of Holding Time                                                                                                                                    |
| J  | Analyte is present at an estimated concentration between the MDL and Report Limit                                                                                   |
| NC | Not Calculated                                                                                                                                                      |
| ND | Not Detected at the Reporting Limit                                                                                                                                 |
| O  | Sample amount is > 4 times amount spiked                                                                                                                            |
| P  | Dual Column results percent difference > 40%                                                                                                                        |
| R  | RPD above laboratory control limit                                                                                                                                  |
| S  | Spike Recovery outside laboratory control limits                                                                                                                    |
| U  | Analyzed but not detected above the MDL                                                                                                                             |
| V  | The Continuing Calibration Verification was outside of control criteria                                                                                             |
| X  | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

## LABORATORY CERTIFICATIONS<sup>1</sup>

| Agency        | Type                       | ID                | Issued     | Expires    |
|---------------|----------------------------|-------------------|------------|------------|
| Colorado      | UST                        |                   | 07/01/2025 | 06/30/2026 |
| Connecticut   | Drinking Water (Secondary) | PH-0155           | 12/10/2024 | 12/31/2026 |
| Florida       | NELAP (Primary)            | E871106           | 07/01/2025 | 06/30/2026 |
| Illinois      | NELAP (Secondary)          | 200076            | 12/08/2025 | 12/31/2026 |
| Indiana       | Drinking Water (Secondary) | C-MI-08           | 12/31/2024 | 09/04/2026 |
| Iowa          | State Specific             | 403               | 09/01/2025 | 09/01/2027 |
| Kansas        | NELAP (Secondary)          | E-10411           | 08/01/2025 | 07/31/2026 |
| Kentucky      | Waste Water                | KY98004           | 1/1/2026   | 12/31/2026 |
| Kentucky      | UST                        | 120474            | 07/07/2025 | 06/30/2026 |
| Michigan      | Drinking Water (Primary)   | 0022              | 12/19/2023 | 09/04/2026 |
| Minnesota     | NELAP (Secondary)          | 026-999-449       | 12/10/2025 | 12/31/2026 |
| Missouri      | Drinking Water (Secondary) | 01262             | 11/14/2024 | 12/30/2027 |
| New Jersey    | NELAP (Secondary)          | MI015             | 07/01/2025 | 6/30/2026  |
| New York      | NELAP (Secondary)          | 12128             | 04/01/2025 | 04/01/2026 |
| North Dakota  | State Specific             | R-192             | 11/18/2024 | 06/30/2025 |
| Ohio          | Drinking Water (Secondary) | 87783             | 06/26/2025 | 6/30/2026  |
| Pennsylvania  | NELAP (Secondary)          | 68-03827          | 11/25/2025 | 07/31/2026 |
| Texas         | NELAP (Secondary)          | T104704494        | 02/01/2026 | 01/31/2027 |
| USDA          | Domestic CA                | Soil-MI-007       | 02/06/2025 | 08/07/2026 |
| USDA          | Soil Import                | 525-23-62-77572R1 | 01/28/2026 | 03/03/2029 |
| West Virginia | State Specific             | 355               | 06/07/2025 | 08/31/2026 |
| Wisconsin     | State Specific             | 399084510         | 08/08/2025 | 08/31/2026 |

1 – Scope available upon request

## ANALYST SUMMARY



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy

**Work Order:** HN2601572

**Sample Name:** 12145 SB01 (1-2')\_20260203  
**Laboratory Code:** HN2601572-001  
**Sample Matrix:** SOIL/SOLID

**Date Collected:** 02/03/26  
**Date Received:** 02/04/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By      | Analysis Lot | Analyzed By       |
|-----------------|--------------------|--------------|-----------------|------------------|--------------|-------------------|
| EPA 3550C       |                    | 001-AC       | 2440539         |                  | 3859151      | Nicole Maleski    |
| EPA 6020B       | EPA 3050B          | 001-AC       | 2444361         | Weston Kotecki   | 3869256      | Stephanie Pierson |
| EPA 7471B       | Method             | 001-AC       | 2442349         | Maxx Richey      | 3864619      | Maxx Richey       |
| EPA 8081B       | EPA 3546           | 001-AC       | 2440525         | Rachel Plantinga | 3861732      | Nathaniel Dietlin |
| EPA 8082A       | EPA 3546           | 001-AC       | 2440516         | Rachel Plantinga | 3862270      | Madison VandenBer |
| EPA 8151A       | Method             | 001-AC       | 2441148         | Rachel Plantinga | 3865925      | Kathy Malmyga     |
| EPA 8260D       | EPA 5035A          | 001-AA       | 2441302         | Jonathan Vazquez | 3862247      | John Garvale      |
| EPA 8270E       | EPA 3546           | 001-AC       | 2442280         | Benjamin Farmer  | 3868930      | Sam Marcotte      |
| EPA 9056A       | EPA 9056A          | 001-AC       | 2440581         | Sage Hansen      | 3861166      | Sage Hansen       |

**Sample Name:** 12145 SB02 (3-4')\_20260203  
**Laboratory Code:** HN2601572-002  
**Sample Matrix:** SOIL/SOLID

**Date Collected:** 02/03/26  
**Date Received:** 02/04/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By      | Analysis Lot | Analyzed By       |
|-----------------|--------------------|--------------|-----------------|------------------|--------------|-------------------|
| EPA 3550C       |                    | 002-AC       | 2440539         |                  | 3859151      | Nicole Maleski    |
| EPA 6020B       | EPA 3050B          | 002-AC       | 2444361         | Weston Kotecki   | 3869256      | Stephanie Pierson |
| EPA 7471B       | Method             | 002-AC       | 2442349         | Maxx Richey      | 3864619      | Maxx Richey       |
| EPA 8081B       | EPA 3546           | 002-AC       | 2440525         | Rachel Plantinga | 3861732      | Nathaniel Dietlin |
| EPA 8082A       | EPA 3546           | 002-AC       | 2440516         | Rachel Plantinga | 3862270      | Madison VandenBer |
| EPA 8151A       | Method             | 002-AC       | 2441148         | Rachel Plantinga | 3865925      | Kathy Malmyga     |
| EPA 8260D       | EPA 5035A          | 002-AA       | 2441302         | Jonathan Vazquez | 3862247      | John Garvale      |
| EPA 8270E       | EPA 3546           | 002-AC       | 2442280         | Benjamin Farmer  | 3868930      | Sam Marcotte      |
| EPA 9056A       | EPA 9056A          | 002-AC       | 2440581         | Sage Hansen      | 3861166      | Sage Hansen       |

**Sample Name:** 12145 SB03 (5-6')\_20260203  
**Laboratory Code:** HN2601572-003  
**Sample Matrix:** SOIL/SOLID

**Date Collected:** 02/03/26  
**Date Received:** 02/04/26

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By | Analysis Lot | Analyzed By    |
|-----------------|--------------------|--------------|-----------------|-------------|--------------|----------------|
| EPA 3550C       |                    | 003-AC       | 2440539         |             | 3859151      | Nicole Maleski |

## ANALYST SUMMARY



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy

**Work Order:** HN2601572

**Sample Name:** 12145 SB03 (5-6')\_20260203

**Date Collected:** 02/03/26

**Laboratory Code:** HN2601572-003

**Date Received:** 02/04/26

**Sample Matrix:** SOIL/SOLID

| Analysis Method | Preparation Method | Container ID | Preparation Lot | Prepared By      | Analysis Lot | Analyzed By       |
|-----------------|--------------------|--------------|-----------------|------------------|--------------|-------------------|
| EPA 6020B       | EPA 3050B          | 003-AC       | 2444363         | Weston Kotecki   | 3869270      | Hunter Johnson    |
| EPA 7471B       | Method             | 003-AC       | 2442349         | Maxx Richey      | 3864619      | Maxx Richey       |
| EPA 8081B       | EPA 3546           | 003-AC       | 2440525         | Rachel Plantinga | 3861732      | Nathaniel Dietlin |
| EPA 8082A       | EPA 3546           | 003-AC       | 2440516         | Rachel Plantinga | 3862270      | Madison VandenBer |
| EPA 8151A       | Method             | 003-AC       | 2441148         | Rachel Plantinga | 3865925      | Kathy Malmyga     |
| EPA 8260D       | EPA 5035A          | 003-AA       | 2441302         | Jonathan Vazquez | 3862247      | John Garvale      |
| EPA 8270E       | EPA 3546           | 003-AC       | 2442280         | Benjamin Farmer  | 3868930      | Sam Marcotte      |
| EPA 9056A       | EPA 9056A          | 003-AC       | 2440581         | Sage Hansen      | 3861166      | Sage Hansen       |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                                    | Method    | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|--------------------------------------------|-----------|-------------|------|-------|--------|-----------------|----------------|----------------|
| <b>Chlorinated Herbicides by GC/ECD</b>    |           |             |      |       |        |                 |                |                |
| 2,4,5-T                                    | EPA 8151A | <2.42       | U    | µg/kg | 13.2   | 1               | 02/07/26 19:26 | 02/04/26 16:31 |
| 2,4,5-TP (Silvex)                          | EPA 8151A | <4.32       | U    | µg/kg | 13.2   | 1               | 02/07/26 19:26 | 02/04/26 16:31 |
| 2,4-D                                      | EPA 8151A | <7.03       | U    | µg/kg | 26.3   | 1               | 02/07/26 19:26 | 02/04/26 16:31 |
| Surr: DCAA                                 | EPA 8151A | <b>106</b>  |      | %REC  | 10-116 | 1               | 02/07/26 19:26 | 02/04/26 16:31 |
| <b>General Chemistry Parameters</b>        |           |             |      |       |        |                 |                |                |
| Percent Moisture                           | EPA 3550C | <b>7.3</b>  |      | %     | 0.1    | 1               | 02/04/26 10:35 | NA             |
| Chloride                                   | EPA 9056A | <3.34       | U    | mg/kg | 10.8   | 1               | 02/05/26 06:59 | 02/04/26 17:04 |
| <b>Metals</b>                              |           |             |      |       |        |                 |                |                |
| Arsenic                                    | EPA 6020B | <b>6.59</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Barium                                     | EPA 6020B | <b>17.0</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Cadmium                                    | EPA 6020B | <0.193      | U    | mg/kg | 1.29   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Chromium                                   | EPA 6020B | <b>6.94</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Copper                                     | EPA 6020B | <b>11.9</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Lead                                       | EPA 6020B | <b>6.40</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Selenium                                   | EPA 6020B | <2.96       | U    | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Silver                                     | EPA 6020B | <0.425      | U    | mg/kg | 3.22   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Zinc                                       | EPA 6020B | <b>40.3</b> |      | mg/kg | 6.44   | 10              | 02/09/26 20:52 | 02/06/26 14:05 |
| Mercury                                    | EPA 7471B | <0.0142     | U    | mg/kg | 0.0209 | 1               | 02/06/26 10:59 | 02/05/26 13:31 |
| <b>Organochlorine Pesticides by GC/ECD</b> |           |             |      |       |        |                 |                |                |
| 4,4'-DDD                                   | EPA 8081B | <8.54       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| 4,4'-DDE                                   | EPA 8081B | <8.81       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| 4,4'-DDT                                   | EPA 8081B | <8.89       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Aldrin                                     | EPA 8081B | <8.69       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| alpha-BHC                                  | EPA 8081B | <8.80       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| beta-BHC                                   | EPA 8081B | <8.78       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Chlordane, Technical                       | EPA 8081B | <13.3       | U    | µg/kg | 33.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| cis-Chlordane                              | EPA 8081B | <8.93       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| delta-BHC                                  | EPA 8081B | <8.75       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Dieldrin                                   | EPA 8081B | <9.35       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                           | Method           | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|-----------------------------------|------------------|-------------|------|-------|--------|-----------------|----------------|----------------|
| Endosulfan I                      | EPA 8081B        | <8.99       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Endosulfan II                     | EPA 8081B        | <8.85       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Endosulfan sulfate                | EPA 8081B        | <8.22       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Endrin                            | EPA 8081B        | <10.8       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Endrin aldehyde                   | EPA 8081B        | <8.47       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Endrin ketone                     | EPA 8081B        | <8.13       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| gamma-BHC (Lindane)               | EPA 8081B        | <8.77       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Heptachlor                        | EPA 8081B        | <8.63       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Heptachlor epoxide                | EPA 8081B        | <8.84       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Methoxychlor                      | EPA 8081B        | <8.94       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| Toxaphene                         | EPA 8081B        | <14.4       | U    | µg/kg | 80.2   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| trans-Chlordane                   | EPA 8081B        | <8.88       | U    | µg/kg | 13.4   | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| <i>Surr: Decachlorobiphenyl</i>   | <i>EPA 8081B</i> | <b>90.6</b> |      | %REC  | 53-151 | 1               | 02/10/26 22:50 | 02/04/26 09:53 |
| <i>Surr: Tetrachloro-m-xylene</i> | <i>EPA 8081B</i> | <b>105</b>  |      | %REC  | 67-127 | 1               | 02/10/26 22:50 | 02/04/26 09:53 |

## Polychlorinated Biphenyls (PCBs) by GC/ECD

|                                   |                  |             |   |       |        |   |                |                |
|-----------------------------------|------------------|-------------|---|-------|--------|---|----------------|----------------|
| Aroclor 1016                      | EPA 8082A        | <30.6       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1221                      | EPA 8082A        | <30.6       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1232                      | EPA 8082A        | <30.6       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1242                      | EPA 8082A        | <30.6       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1248                      | EPA 8082A        | <30.6       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1254                      | EPA 8082A        | <24.9       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1260                      | EPA 8082A        | <24.9       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1262                      | EPA 8082A        | <24.9       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Aroclor 1268                      | EPA 8082A        | <24.9       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| Total PCB                         | EPA 8082A        | <24.9       | U | µg/kg | 89.1   | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| <i>Surr: Decachlorobiphenyl</i>   | <i>EPA 8082A</i> | <b>123</b>  |   | %REC  | 54-146 | 1 | 02/04/26 20:37 | 02/04/26 13:25 |
| <i>Surr: Tetrachloro-m-xylene</i> | <i>EPA 8082A</i> | <b>93.2</b> |   | %REC  | 58-140 | 1 | 02/04/26 20:37 | 02/04/26 13:25 |

## Semivolatile Organic Compounds by GC-MS

|                            |           |       |   |       |      |   |                |                |
|----------------------------|-----------|-------|---|-------|------|---|----------------|----------------|
| 1,1'-Biphenyl (BZ-0)       | EPA 8270E | <9.36 | U | µg/kg | 57.1 | 1 | 02/07/26 17:27 | 02/05/26 09:09 |
| 1,2,4,5-Tetrachlorobenzene | EPA 8270E | <13.3 | U | µg/kg | 576  | 1 | 02/07/26 17:27 | 02/05/26 09:09 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                                                        | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|----------------------------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| 1,4-Dioxane (1,4-Diethyleneoxide)                              | EPA 8270E | <41.4   | U    | µg/kg | 288  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 1-Methylnaphthalene                                            | EPA 8270E | <8.31   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | EPA 8270E | <13.5   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,3,4,6-Tetrachlorophenol                                      | EPA 8270E | <42.2   | U    | µg/kg | 115  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,4,5-Trichlorophenol                                          | EPA 8270E | <34.2   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,4,6-Trichlorophenol                                          | EPA 8270E | <15.3   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,4-Dichlorophenol                                             | EPA 8270E | <31.0   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,4-Dimethylphenol                                             | EPA 8270E | <29.7   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,4-Dinitrophenol                                              | EPA 8270E | <422    | U    | µg/kg | 576  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,4-Dinitrotoluene (2,4-DNT)                                   | EPA 8270E | <37.5   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2,6-Dinitrotoluene (2,6-DNT)                                   | EPA 8270E | <14.7   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Chloronaphthalene                                            | EPA 8270E | <8.06   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Chlorophenol                                                 | EPA 8270E | <37.7   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)        | EPA 8270E | <48.2   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Methylnaphthalene                                            | EPA 8270E | <5.87   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Methylphenol (o-Cresol)                                      | EPA 8270E | <15.6   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Nitroaniline                                                 | EPA 8270E | <32.0   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 2-Nitrophenol                                                  | EPA 8270E | <16.4   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 3&4-Methylphenol                                               | EPA 8270E | <31.4   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 3,3'-Dichlorobenzidine                                         | EPA 8270E | <26.9   | U    | µg/kg | 288  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 3-Nitroaniline                                                 | EPA 8270E | <33.5   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 4-Bromophenyl phenyl ether (BDE-3)                             | EPA 8270E | <31.6   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 4-Chloro-3-methylphenol                                        | EPA 8270E | <16.4   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 4-Chloroaniline                                                | EPA 8270E | <29.3   | U    | µg/kg | 115  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 4-Chlorophenyl phenylether                                     | EPA 8270E | <15.9   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 4-Nitroaniline                                                 | EPA 8270E | <89.5   | U    | µg/kg | 288  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| 4-Nitrophenol                                                  | EPA 8270E | <135    | U    | µg/kg | 576  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Acenaphthene                                                   | EPA 8270E | <8.34   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                                                             | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|---------------------------------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| Acenaphthylene                                                      | EPA 8270E | <10.0   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Acetophenone                                                        | EPA 8270E | <9.03   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Anthracene                                                          | EPA 8270E | <8.13   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Atrazine                                                            | EPA 8270E | <33.8   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Benzaldehyde                                                        | EPA 8270E | <88.6   | U    | µg/kg | 115  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Benzo(a)anthracene                                                  | EPA 8270E | <9.97   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Benzo(a)pyrene                                                      | EPA 8270E | <7.08   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Benzo(b)fluoranthene                                                | EPA 8270E | <8.60   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Benzo(g,h,i)perylene                                                | EPA 8270E | <8.84   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Benzo(k)fluoranthene                                                | EPA 8270E | <8.74   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| bis(2-Chloroethoxy)<br>methane                                      | EPA 8270E | <36.5   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| bis(2-Chloroethyl) ether                                            | EPA 8270E | <16.3   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Butyl benzyl phthalate                                              | EPA 8270E | <72.2   | U    | µg/kg | 115  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Caprolactam                                                         | EPA 8270E | <52.0   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Carbazole                                                           | EPA 8270E | <17.0   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Chrysene                                                            | EPA 8270E | <9.33   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Di(2-ethylhexyl) phthalate<br>(bis(2-Ethylhexyl)phthalate,<br>DEHP) | EPA 8270E | <47.7   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Dibenz(a,h) anthracene                                              | EPA 8270E | <6.23   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Dibenzofuran                                                        | EPA 8270E | <8.48   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Diethyl phthalate                                                   | EPA 8270E | <19.6   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Dimethyl phthalate                                                  | EPA 8270E | <11.2   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Fluoranthene                                                        | EPA 8270E | <5.54   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Fluorene                                                            | EPA 8270E | <8.37   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Hexachlorobenzene                                                   | EPA 8270E | <16.8   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Hexachlorobutadiene                                                 | EPA 8270E | <13.6   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Hexachlorocyclopentadiene                                           | EPA 8270E | <54.7   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Hexachloroethane                                                    | EPA 8270E | <23.9   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Indeno(1,2,3-cd) pyrene                                             | EPA 8270E | <8.03   | U    | µg/kg | 11.5 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Isophorone                                                          | EPA 8270E | <11.3   | U    | µg/kg | 288  | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |
| Methylphenol, Total                                                 | EPA 8270E | <15.6   | U    | µg/kg | 57.1 | 1                  | 02/07/26 17:27   | 02/05/26 09:09    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                           | Method           | Results     | Qual | Units       | MRL           | Dilution<br>Factor | Date<br>Analyzed      | Date<br>Extracted     |
|-----------------------------------|------------------|-------------|------|-------------|---------------|--------------------|-----------------------|-----------------------|
| Naphthalene                       | EPA 8270E        | <7.37       | U    | µg/kg       | 11.5          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| Nitrobenzene                      | EPA 8270E        | <19.4       | U    | µg/kg       | 288           | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| n-Nitrosodi-n-propylamine         | EPA 8270E        | <9.52       | U    | µg/kg       | 57.1          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| N-Nitrosodiphenylamine            | EPA 8270E        | <33.4       | U    | µg/kg       | 57.1          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| Pentachlorophenol                 | EPA 8270E        | <45.8       | U    | µg/kg       | 57.1          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| Phenanthrene                      | EPA 8270E        | <5.36       | U    | µg/kg       | 11.5          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| Phenol                            | EPA 8270E        | <29.0       | U    | µg/kg       | 57.1          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| Pyrene                            | EPA 8270E        | <5.75       | U    | µg/kg       | 11.5          | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| Pyridine                          | EPA 8270E        | <114        | U    | µg/kg       | 288           | 1                  | 02/07/26 17:27        | 02/05/26 09:09        |
| <i>Surr: 2,4,6-Tribromophenol</i> | <i>EPA 8270E</i> | <i>77.7</i> |      | <i>%REC</i> | <i>48-94</i>  | <i>1</i>           | <i>02/07/26 17:27</i> | <i>02/05/26 09:09</i> |
| <i>Surr: 2-Fluorobiphenyl</i>     | <i>EPA 8270E</i> | <i>84.8</i> |      | <i>%REC</i> | <i>50-103</i> | <i>1</i>           | <i>02/07/26 17:27</i> | <i>02/05/26 09:09</i> |
| <i>Surr: 2-Fluorophenol</i>       | <i>EPA 8270E</i> | <i>78.4</i> |      | <i>%REC</i> | <i>43-105</i> | <i>1</i>           | <i>02/07/26 17:27</i> | <i>02/05/26 09:09</i> |
| <i>Surr: 4-Terphenyl-d14</i>      | <i>EPA 8270E</i> | <i>79.4</i> |      | <i>%REC</i> | <i>55-111</i> | <i>1</i>           | <i>02/07/26 17:27</i> | <i>02/05/26 09:09</i> |
| <i>Surr: Nitrobenzene-d5</i>      | <i>EPA 8270E</i> | <i>90.1</i> |      | <i>%REC</i> | <i>47-100</i> | <i>1</i>           | <i>02/07/26 17:27</i> | <i>02/05/26 09:09</i> |
| <i>Surr: Phenol-d6</i>            | <i>EPA 8270E</i> | <i>80.8</i> |      | <i>%REC</i> | <i>49-110</i> | <i>1</i>           | <i>02/07/26 17:27</i> | <i>02/05/26 09:09</i> |

## Volatile Organic Compounds by GC-MS

|                                                   |           |       |   |       |      |   |                |                |
|---------------------------------------------------|-----------|-------|---|-------|------|---|----------------|----------------|
| 1,1,1-Trichloroethane                             | EPA 8260D | <25.7 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,1,2,2-Tetrachloroethane                         | EPA 8260D | <25.0 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | <35.9 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,1,2-Trichloroethane                             | EPA 8260D | <24.1 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,1-Dichloroethane                                | EPA 8260D | <20.7 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,1-Dichloroethylene                              | EPA 8260D | <18.4 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2,3-Trichlorobenzene                            | EPA 8260D | <68.1 | U | µg/kg | 189  | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2,3-Trichloropropane                            | EPA 8260D | <23.8 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2,4-Trichlorobenzene                            | EPA 8260D | <64.3 | U | µg/kg | 189  | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2,4-Trimethylbenzene                            | EPA 8260D | <41.6 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2-Dibromo-3-chloropropane (DBCP)                | EPA 8260D | <52.2 | U | µg/kg | 189  | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide)       | EPA 8260D | <33.4 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)           | EPA 8260D | <21.5 | U | µg/kg | 56.7 | 1 | 02/04/26 20:56 | 02/04/26 14:39 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                                     | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|---------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| 1,2-Dichloroethane<br>(Ethylene dichloride) | EPA 8260D | <33.4   | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 1,2-Dichloropropane                         | EPA 8260D | <41.8   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 1,3,5-Trimethylbenzene                      | EPA 8260D | <40.1   | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 1,3-Dichlorobenzene (m-<br>Dichlorobenzene) | EPA 8260D | <39.2   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 1,3-Dichloropropene                         | EPA 8260D | <31.7   | U    | µg/kg | 113  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 1,4-Dichlorobenzene (p-<br>Dichlorobenzene) | EPA 8260D | <46.1   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 2-Butanone (Methyl ethyl<br>ketone, MEK)    | EPA 8260D | <135    | U    | µg/kg | 378  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 2-Hexanone                                  | EPA 8260D | <28.1   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| 4-Methyl-2-pentanone<br>(MIBK)              | EPA 8260D | <52.9   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Acetone                                     | EPA 8260D | <168    | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Benzene                                     | EPA 8260D | <27.5   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Bromochloromethane                          | EPA 8260D | <28.9   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Bromodichloromethane                        | EPA 8260D | <31.8   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Bromoform                                   | EPA 8260D | <23.9   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Carbon disulfide                            | EPA 8260D | <29.4   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Carbon tetrachloride                        | EPA 8260D | <22.2   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Chlorobenzene                               | EPA 8260D | <18.8   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Chlorodibromomethane                        | EPA 8260D | <31.9   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Chloroethane (Ethyl<br>chloride)            | EPA 8260D | <159    | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Chloroform                                  | EPA 8260D | <20.8   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| cis-1,2-Dichloroethylene                    | EPA 8260D | <36.5   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| cis-1,3-Dichloropropene                     | EPA 8260D | <42.7   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Cyclohexane                                 | EPA 8260D | <43.4   | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Dichlorodifluoromethane<br>(Freon-12)       | EPA 8260D | <68.7   | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Ethylbenzene                                | EPA 8260D | <40.2   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Isopropylbenzene                            | EPA 8260D | <35.8   | U    | µg/kg | 56.7 | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| m+p-Xylene                                  | EPA 8260D | <75.6   | U    | µg/kg | 113  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Methyl acetate                              | EPA 8260D | <67.9   | U    | µg/kg | 473  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |
| Methyl bromide<br>(Bromomethane)            | EPA 8260D | <109    | U    | µg/kg | 189  | 1                  | 02/04/26 20:56   | 02/04/26 14:39    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:35  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB01 (1-2')\_20260203

**Lab ID:** HN2601572-001

| Analyte                                                   | Method    | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|-----------------------------------------------------------|-----------|-------------|------|-------|--------|-----------------|----------------|----------------|
| Methyl chloride (Chloromethane)                           | EPA 8260D | <155        | U    | µg/kg | 189    | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Methyl tert-butyl ether (MTBE)                            | EPA 8260D | <41.4       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Methylcyclohexane                                         | EPA 8260D | <21.6       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Methylene chloride (Dichloromethane)                      | EPA 8260D | <151        | U    | µg/kg | 473    | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| o-Xylene                                                  | EPA 8260D | <21.9       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Styrene                                                   | EPA 8260D | <22.5       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Tetrachloroethylene (Perchloroethylene)                   | EPA 8260D | <34.2       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Toluene                                                   | EPA 8260D | <46.8       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Total Xylene                                              | EPA 8260D | <21.9       | U    | µg/kg | 170    | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| trans-1,2-Dichloroethylene                                | EPA 8260D | <46.8       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| trans-1,3-Dichloropropylene                               | EPA 8260D | <31.7       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Trichloroethene (Trichloroethylene)                       | EPA 8260D | <25.4       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | EPA 8260D | <29.0       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Vinyl chloride (Chloroethene)                             | EPA 8260D | <37.7       | U    | µg/kg | 56.7   | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Surr: 1,2-Dichloroethane-d4                               | EPA 8260D | <b>98.6</b> |      | %REC  | 80-120 | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Surr: 4-Bromofluorobenzene                                | EPA 8260D | <b>101</b>  |      | %REC  | 80-120 | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Surr: Dibromofluoromethane                                | EPA 8260D | <b>95.8</b> |      | %REC  | 72-120 | 1               | 02/04/26 20:56 | 02/04/26 14:39 |
| Surr: Toluene-d8                                          | EPA 8260D | <b>98.1</b> |      | %REC  | 80-120 | 1               | 02/04/26 20:56 | 02/04/26 14:39 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                                    | Method    | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|--------------------------------------------|-----------|-------------|------|-------|--------|-----------------|----------------|----------------|
| <b>Chlorinated Herbicides by GC/ECD</b>    |           |             |      |       |        |                 |                |                |
| 2,4,5-T                                    | EPA 8151A | <2.35       | U    | µg/kg | 12.8   | 1               | 02/07/26 19:39 | 02/04/26 16:31 |
| 2,4,5-TP (Silvex)                          | EPA 8151A | <4.19       | U    | µg/kg | 12.8   | 1               | 02/07/26 19:39 | 02/04/26 16:31 |
| 2,4-D                                      | EPA 8151A | <6.83       | U    | µg/kg | 25.6   | 1               | 02/07/26 19:39 | 02/04/26 16:31 |
| Surr: DCAA                                 | EPA 8151A | <b>100</b>  |      | %REC  | 10-116 | 1               | 02/07/26 19:39 | 02/04/26 16:31 |
| <b>General Chemistry Parameters</b>        |           |             |      |       |        |                 |                |                |
| Percent Moisture                           | EPA 3550C | <b>6.4</b>  |      | %     | 0.1    | 1               | 02/04/26 10:35 | NA             |
| Chloride                                   | EPA 9056A | <3.27       | U    | mg/kg | 10.5   | 1               | 02/05/26 07:07 | 02/04/26 17:04 |
| <b>Metals</b>                              |           |             |      |       |        |                 |                |                |
| Arsenic                                    | EPA 6020B | <b>9.58</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Barium                                     | EPA 6020B | <b>18.2</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Cadmium                                    | EPA 6020B | <0.193      | U    | mg/kg | 1.29   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Chromium                                   | EPA 6020B | <b>8.91</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Copper                                     | EPA 6020B | <b>14.7</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Lead                                       | EPA 6020B | <b>8.02</b> |      | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Selenium                                   | EPA 6020B | <2.97       | U    | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Silver                                     | EPA 6020B | <0.425      | U    | mg/kg | 3.22   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Zinc                                       | EPA 6020B | <b>54.7</b> |      | mg/kg | 6.45   | 10              | 02/09/26 20:53 | 02/06/26 14:05 |
| Mercury                                    | EPA 7471B | <0.0136     | U    | mg/kg | 0.0200 | 1               | 02/06/26 11:01 | 02/05/26 13:31 |
| <b>Organochlorine Pesticides by GC/ECD</b> |           |             |      |       |        |                 |                |                |
| 4,4'-DDD                                   | EPA 8081B | <8.05       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| 4,4'-DDE                                   | EPA 8081B | <8.30       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| 4,4'-DDT                                   | EPA 8081B | <8.38       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Aldrin                                     | EPA 8081B | <8.19       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| alpha-BHC                                  | EPA 8081B | <8.29       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| beta-BHC                                   | EPA 8081B | <8.27       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Chlordane, Technical                       | EPA 8081B | <12.5       | U    | µg/kg | 31.5   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| cis-Chlordane                              | EPA 8081B | <8.42       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| delta-BHC                                  | EPA 8081B | <8.25       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Dieldrin                                   | EPA 8081B | <8.81       | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                           | Method           | Results    | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|-----------------------------------|------------------|------------|------|-------|--------|-----------------|----------------|----------------|
| Endosulfan I                      | EPA 8081B        | <8.46      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Endosulfan II                     | EPA 8081B        | <8.34      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Endosulfan sulfate                | EPA 8081B        | <7.75      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Endrin                            | EPA 8081B        | <10.2      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Endrin aldehyde                   | EPA 8081B        | <7.98      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Endrin ketone                     | EPA 8081B        | <7.66      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| gamma-BHC (Lindane)               | EPA 8081B        | <8.26      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Heptachlor                        | EPA 8081B        | <8.13      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Heptachlor epoxide                | EPA 8081B        | <8.33      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Methoxychlor                      | EPA 8081B        | <8.42      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| Toxaphene                         | EPA 8081B        | <13.6      | U    | µg/kg | 75.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| trans-Chlordane                   | EPA 8081B        | <8.37      | U    | µg/kg | 12.6   | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| <i>Surr: Decachlorobiphenyl</i>   | <i>EPA 8081B</i> | <b>102</b> |      | %REC  | 53-151 | 1               | 02/10/26 23:01 | 02/04/26 09:53 |
| <i>Surr: Tetrachloro-m-xylene</i> | <i>EPA 8081B</i> | <b>115</b> |      | %REC  | 67-127 | 1               | 02/10/26 23:01 | 02/04/26 09:53 |

## Polychlorinated Biphenyls (PCBs) by GC/ECD

|                                   |                  |            |   |       |        |   |                |                |
|-----------------------------------|------------------|------------|---|-------|--------|---|----------------|----------------|
| Aroclor 1016                      | EPA 8082A        | <28.8      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1221                      | EPA 8082A        | <28.8      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1232                      | EPA 8082A        | <28.8      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1242                      | EPA 8082A        | <28.8      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1248                      | EPA 8082A        | <28.8      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1254                      | EPA 8082A        | <23.5      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1260                      | EPA 8082A        | <23.5      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1262                      | EPA 8082A        | <23.5      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Aroclor 1268                      | EPA 8082A        | <23.5      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| Total PCB                         | EPA 8082A        | <23.5      | U | µg/kg | 84.0   | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| <i>Surr: Decachlorobiphenyl</i>   | <i>EPA 8082A</i> | <b>134</b> |   | %REC  | 54-146 | 1 | 02/04/26 20:49 | 02/04/26 13:25 |
| <i>Surr: Tetrachloro-m-xylene</i> | <i>EPA 8082A</i> | <b>104</b> |   | %REC  | 58-140 | 1 | 02/04/26 20:49 | 02/04/26 13:25 |

## Semivolatile Organic Compounds by GC-MS

|                            |           |       |   |       |      |   |                |                |
|----------------------------|-----------|-------|---|-------|------|---|----------------|----------------|
| 1,1'-Biphenyl (BZ-0)       | EPA 8270E | <9.03 | U | µg/kg | 55.1 | 1 | 02/07/26 17:54 | 02/05/26 09:09 |
| 1,2,4,5-Tetrachlorobenzene | EPA 8270E | <12.8 | U | µg/kg | 556  | 1 | 02/07/26 17:54 | 02/05/26 09:09 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                                                        | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|----------------------------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| 1,4-Dioxane (1,4-Diethyleneoxide)                              | EPA 8270E | <39.9   | U    | µg/kg | 278  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 1-Methylnaphthalene                                            | EPA 8270E | <8.02   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | EPA 8270E | <13.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,3,4,6-Tetrachlorophenol                                      | EPA 8270E | <40.8   | U    | µg/kg | 111  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,4,5-Trichlorophenol                                          | EPA 8270E | <33.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,4,6-Trichlorophenol                                          | EPA 8270E | <14.8   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,4-Dichlorophenol                                             | EPA 8270E | <30.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,4-Dimethylphenol                                             | EPA 8270E | <28.6   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,4-Dinitrophenol                                              | EPA 8270E | <407    | U    | µg/kg | 556  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,4-Dinitrotoluene (2,4-DNT)                                   | EPA 8270E | <36.2   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2,6-Dinitrotoluene (2,6-DNT)                                   | EPA 8270E | <14.2   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Chloronaphthalene                                            | EPA 8270E | <7.78   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Chlorophenol                                                 | EPA 8270E | <36.4   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)        | EPA 8270E | <46.5   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Methylnaphthalene                                            | EPA 8270E | <5.66   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Methylphenol (o-Cresol)                                      | EPA 8270E | <15.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Nitroaniline                                                 | EPA 8270E | <30.9   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 2-Nitrophenol                                                  | EPA 8270E | <15.9   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 3&4-Methylphenol                                               | EPA 8270E | <30.3   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 3,3'-Dichlorobenzidine                                         | EPA 8270E | <26.0   | U    | µg/kg | 278  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 3-Nitroaniline                                                 | EPA 8270E | <32.3   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 4-Bromophenyl phenyl ether (BDE-3)                             | EPA 8270E | <30.5   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 4-Chloro-3-methylphenol                                        | EPA 8270E | <15.9   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 4-Chloroaniline                                                | EPA 8270E | <28.3   | U    | µg/kg | 111  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 4-Chlorophenyl phenylether                                     | EPA 8270E | <15.4   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 4-Nitroaniline                                                 | EPA 8270E | <86.3   | U    | µg/kg | 278  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| 4-Nitrophenol                                                  | EPA 8270E | <130    | U    | µg/kg | 556  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Acenaphthene                                                   | EPA 8270E | <8.05   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                                                             | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|---------------------------------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| Acenaphthylene                                                      | EPA 8270E | <9.65   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Acetophenone                                                        | EPA 8270E | <8.72   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Anthracene                                                          | EPA 8270E | <7.85   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Atrazine                                                            | EPA 8270E | <32.6   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Benzaldehyde                                                        | EPA 8270E | <85.5   | U    | µg/kg | 111  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Benzo(a)anthracene                                                  | EPA 8270E | <9.62   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Benzo(a)pyrene                                                      | EPA 8270E | <6.83   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Benzo(b)fluoranthene                                                | EPA 8270E | <8.30   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Benzo(g,h,i)perylene                                                | EPA 8270E | <8.53   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Benzo(k)fluoranthene                                                | EPA 8270E | <8.43   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| bis(2-Chloroethoxy)<br>methane                                      | EPA 8270E | <35.3   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| bis(2-Chloroethyl) ether                                            | EPA 8270E | <15.8   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Butyl benzyl phthalate                                              | EPA 8270E | <69.7   | U    | µg/kg | 111  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Caprolactam                                                         | EPA 8270E | <50.2   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Carbazole                                                           | EPA 8270E | <16.4   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Chrysene                                                            | EPA 8270E | <9.00   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Di(2-ethylhexyl) phthalate<br>(bis(2-Ethylhexyl)phthalate,<br>DEHP) | EPA 8270E | <46.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Dibenz(a,h) anthracene                                              | EPA 8270E | <6.01   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Dibenzofuran                                                        | EPA 8270E | <8.18   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Diethyl phthalate                                                   | EPA 8270E | <18.9   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Dimethyl phthalate                                                  | EPA 8270E | <10.9   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Fluoranthene                                                        | EPA 8270E | <5.34   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Fluorene                                                            | EPA 8270E | <8.08   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Hexachlorobenzene                                                   | EPA 8270E | <16.2   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Hexachlorobutadiene                                                 | EPA 8270E | <13.1   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Hexachlorocyclopentadiene                                           | EPA 8270E | <52.8   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Hexachloroethane                                                    | EPA 8270E | <23.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Indeno(1,2,3-cd) pyrene                                             | EPA 8270E | <7.75   | U    | µg/kg | 11.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Isophorone                                                          | EPA 8270E | <10.9   | U    | µg/kg | 278  | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |
| Methylphenol, Total                                                 | EPA 8270E | <15.0   | U    | µg/kg | 55.1 | 1                  | 02/07/26 17:54   | 02/05/26 09:09    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                           | Method           | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|-----------------------------------|------------------|-------------|------|-------|--------|-----------------|----------------|----------------|
| Naphthalene                       | EPA 8270E        | <7.11       | U    | µg/kg | 11.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| Nitrobenzene                      | EPA 8270E        | <18.7       | U    | µg/kg | 278    | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| n-Nitrosodi-n-propylamine         | EPA 8270E        | <9.19       | U    | µg/kg | 55.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| N-Nitrosodiphenylamine            | EPA 8270E        | <32.2       | U    | µg/kg | 55.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| Pentachlorophenol                 | EPA 8270E        | <44.2       | U    | µg/kg | 55.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| Phenanthrene                      | EPA 8270E        | <5.18       | U    | µg/kg | 11.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| Phenol                            | EPA 8270E        | <28.0       | U    | µg/kg | 55.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| Pyrene                            | EPA 8270E        | <5.55       | U    | µg/kg | 11.1   | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| Pyridine                          | EPA 8270E        | <110        | U    | µg/kg | 278    | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| <i>Surr: 2,4,6-Tribromophenol</i> | <i>EPA 8270E</i> | <b>74.7</b> |      | %REC  | 48-94  | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| <i>Surr: 2-Fluorobiphenyl</i>     | <i>EPA 8270E</i> | <b>83.7</b> |      | %REC  | 50-103 | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| <i>Surr: 2-Fluorophenol</i>       | <i>EPA 8270E</i> | <b>80.4</b> |      | %REC  | 43-105 | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| <i>Surr: 4-Terphenyl-d14</i>      | <i>EPA 8270E</i> | <b>76.5</b> |      | %REC  | 55-111 | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| <i>Surr: Nitrobenzene-d5</i>      | <i>EPA 8270E</i> | <b>88.5</b> |      | %REC  | 47-100 | 1               | 02/07/26 17:54 | 02/05/26 09:09 |
| <i>Surr: Phenol-d6</i>            | <i>EPA 8270E</i> | <b>80.0</b> |      | %REC  | 49-110 | 1               | 02/07/26 17:54 | 02/05/26 09:09 |

## Volatile Organic Compounds by GC-MS

|                                                   |           |       |   |       |      |   |                |                |
|---------------------------------------------------|-----------|-------|---|-------|------|---|----------------|----------------|
| 1,1,1-Trichloroethane                             | EPA 8260D | <24.5 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,1,2,2-Tetrachloroethane                         | EPA 8260D | <23.8 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | <34.2 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,1,2-Trichloroethane                             | EPA 8260D | <23.0 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,1-Dichloroethane                                | EPA 8260D | <19.7 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,1-Dichloroethylene                              | EPA 8260D | <17.5 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2,3-Trichlorobenzene                            | EPA 8260D | <64.8 | U | µg/kg | 180  | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2,3-Trichloropropane                            | EPA 8260D | <22.6 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2,4-Trichlorobenzene                            | EPA 8260D | <61.2 | U | µg/kg | 180  | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2,4-Trimethylbenzene                            | EPA 8260D | <39.6 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2-Dibromo-3-chloropropane (DBCP)                | EPA 8260D | <49.7 | U | µg/kg | 180  | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide)       | EPA 8260D | <31.8 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)           | EPA 8260D | <20.5 | U | µg/kg | 54.0 | 1 | 02/04/26 21:16 | 02/04/26 14:39 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                                     | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|---------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| 1,2-Dichloroethane<br>(Ethylene dichloride) | EPA 8260D | <31.8   | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 1,2-Dichloropropane                         | EPA 8260D | <39.8   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 1,3,5-Trimethylbenzene                      | EPA 8260D | <38.2   | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 1,3-Dichlorobenzene (m-<br>Dichlorobenzene) | EPA 8260D | <37.3   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 1,3-Dichloropropene                         | EPA 8260D | <30.2   | U    | µg/kg | 108  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 1,4-Dichlorobenzene (p-<br>Dichlorobenzene) | EPA 8260D | <43.9   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 2-Butanone (Methyl ethyl<br>ketone, MEK)    | EPA 8260D | <129    | U    | µg/kg | 360  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 2-Hexanone                                  | EPA 8260D | <26.8   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| 4-Methyl-2-pentanone<br>(MIBK)              | EPA 8260D | <50.4   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Acetone                                     | EPA 8260D | <160    | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Benzene                                     | EPA 8260D | <26.2   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Bromochloromethane                          | EPA 8260D | <27.5   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Bromodichloromethane                        | EPA 8260D | <30.3   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Bromoform                                   | EPA 8260D | <22.7   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Carbon disulfide                            | EPA 8260D | <28.0   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Carbon tetrachloride                        | EPA 8260D | <21.1   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Chlorobenzene                               | EPA 8260D | <17.9   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Chlorodibromomethane                        | EPA 8260D | <30.3   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Chloroethane (Ethyl<br>chloride)            | EPA 8260D | <151    | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Chloroform                                  | EPA 8260D | <19.8   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| cis-1,2-Dichloroethylene                    | EPA 8260D | <34.7   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| cis-1,3-Dichloropropene                     | EPA 8260D | <40.7   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Cyclohexane                                 | EPA 8260D | <41.4   | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Dichlorodifluoromethane<br>(Freon-12)       | EPA 8260D | <65.4   | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Ethylbenzene                                | EPA 8260D | <38.3   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Isopropylbenzene                            | EPA 8260D | <34.1   | U    | µg/kg | 54.0 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| m+p-Xylene                                  | EPA 8260D | <72.0   | U    | µg/kg | 108  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Methyl acetate                              | EPA 8260D | <64.7   | U    | µg/kg | 450  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Methyl bromide<br>(Bromomethane)            | EPA 8260D | <103    | U    | µg/kg | 180  | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:39  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB02 (3-4')\_20260203

**Lab ID:** HN2601572-002

| Analyte                                                         | Method           | Results     | Qual | Units | MRL    | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|-----------------------------------------------------------------|------------------|-------------|------|-------|--------|--------------------|------------------|-------------------|
| Methyl chloride<br>(Chloromethane)                              | EPA 8260D        | <148        | U    | µg/kg | 180    | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Methyl tert-butyl ether<br>(MTBE)                               | EPA 8260D        | <39.4       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Methylcyclohexane                                               | EPA 8260D        | <20.6       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Methylene chloride<br>(Dichloromethane)                         | EPA 8260D        | <143        | U    | µg/kg | 450    | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| o-Xylene                                                        | EPA 8260D        | <20.9       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Styrene                                                         | EPA 8260D        | <21.4       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Tetrachloroethylene<br>(Perchloroethylene)                      | EPA 8260D        | <32.5       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Toluene                                                         | EPA 8260D        | <44.5       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Total Xylene                                                    | EPA 8260D        | <20.9       | U    | µg/kg | 162    | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| trans-1,2-Dichloroethylene                                      | EPA 8260D        | <44.6       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| trans-1,3-Dichloropropylene                                     | EPA 8260D        | <30.2       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Trichloroethene<br>(Trichloroethylene)                          | EPA 8260D        | <24.2       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Trichlorofluoromethane<br>(Fluorotrichloromethane,<br>Freon 11) | EPA 8260D        | <27.6       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| Vinyl chloride<br>(Chloroethene)                                | EPA 8260D        | <35.9       | U    | µg/kg | 54.0   | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| <i>Surr: 1,2-Dichloroethane-d4</i>                              | <i>EPA 8260D</i> | <b>102</b>  |      | %REC  | 80-120 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| <i>Surr: 4-Bromofluorobenzene</i>                               | <i>EPA 8260D</i> | <b>103</b>  |      | %REC  | 80-120 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| <i>Surr: Dibromofluoromethane</i>                               | <i>EPA 8260D</i> | <b>98.2</b> |      | %REC  | 72-120 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |
| <i>Surr: Toluene-d8</i>                                         | <i>EPA 8260D</i> | <b>101</b>  |      | %REC  | 80-120 | 1                  | 02/04/26 21:16   | 02/04/26 14:39    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                                    | Method    | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|--------------------------------------------|-----------|-------------|------|-------|--------|-----------------|----------------|----------------|
| <b>Chlorinated Herbicides by GC/ECD</b>    |           |             |      |       |        |                 |                |                |
| 2,4,5-T                                    | EPA 8151A | <2.48       | U    | µg/kg | 13.5   | 1               | 02/07/26 19:52 | 02/04/26 16:31 |
| 2,4,5-TP (Silvex)                          | EPA 8151A | <4.43       | U    | µg/kg | 13.5   | 1               | 02/07/26 19:52 | 02/04/26 16:31 |
| 2,4-D                                      | EPA 8151A | <7.21       | U    | µg/kg | 27.0   | 1               | 02/07/26 19:52 | 02/04/26 16:31 |
| Surr: DCAA                                 | EPA 8151A | <b>102</b>  |      | %REC  | 10-116 | 1               | 02/07/26 19:52 | 02/04/26 16:31 |
| <b>General Chemistry Parameters</b>        |           |             |      |       |        |                 |                |                |
| Percent Moisture                           | EPA 3550C | <b>9.7</b>  |      | %     | 0.1    | 1               | 02/04/26 10:35 | NA             |
| Chloride                                   | EPA 9056A | <3.42       | U    | mg/kg | 11.0   | 1               | 02/05/26 07:15 | 02/04/26 17:04 |
| <b>Metals</b>                              |           |             |      |       |        |                 |                |                |
| Arsenic                                    | EPA 6020B | <b>6.91</b> |      | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Barium                                     | EPA 6020B | <b>14.8</b> |      | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Cadmium                                    | EPA 6020B | <0.202      | U    | mg/kg | 1.34   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Chromium                                   | EPA 6020B | <b>6.95</b> |      | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Copper                                     | EPA 6020B | <b>11.3</b> | S    | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Lead                                       | EPA 6020B | <b>6.01</b> |      | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Selenium                                   | EPA 6020B | <3.09       | U    | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Silver                                     | EPA 6020B | <0.444      | U    | mg/kg | 3.36   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Zinc                                       | EPA 6020B | <b>42.0</b> |      | mg/kg | 6.72   | 10              | 02/09/26 21:03 | 02/06/26 15:02 |
| Mercury                                    | EPA 7471B | <0.0136     | U    | mg/kg | 0.0200 | 1               | 02/06/26 11:03 | 02/05/26 13:31 |
| <b>Organochlorine Pesticides by GC/ECD</b> |           |             |      |       |        |                 |                |                |
| 4,4'-DDD                                   | EPA 8081B | <8.39       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| 4,4'-DDE                                   | EPA 8081B | <8.65       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| 4,4'-DDT                                   | EPA 8081B | <8.73       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Aldrin                                     | EPA 8081B | <8.53       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| alpha-BHC                                  | EPA 8081B | <8.64       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| beta-BHC                                   | EPA 8081B | <8.62       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Chlordane, Technical                       | EPA 8081B | <13.0       | U    | µg/kg | 32.8   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| cis-Chlordane                              | EPA 8081B | <8.77       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| delta-BHC                                  | EPA 8081B | <8.59       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Dieldrin                                   | EPA 8081B | <9.18       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                           | Method           | Results     | Qual | Units | MRL    | Dilution Factor | Date Analyzed  | Date Extracted |
|-----------------------------------|------------------|-------------|------|-------|--------|-----------------|----------------|----------------|
| Endosulfan I                      | EPA 8081B        | <8.82       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Endosulfan II                     | EPA 8081B        | <8.69       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Endosulfan sulfate                | EPA 8081B        | <8.07       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Endrin                            | EPA 8081B        | <10.6       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Endrin aldehyde                   | EPA 8081B        | <8.32       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Endrin ketone                     | EPA 8081B        | <7.99       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| gamma-BHC (Lindane)               | EPA 8081B        | <8.61       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Heptachlor                        | EPA 8081B        | <8.47       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Heptachlor epoxide                | EPA 8081B        | <8.68       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Methoxychlor                      | EPA 8081B        | <8.78       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| Toxaphene                         | EPA 8081B        | <14.2       | U    | µg/kg | 78.8   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| trans-Chlordane                   | EPA 8081B        | <8.72       | U    | µg/kg | 13.1   | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| <i>Surr: Decachlorobiphenyl</i>   | <i>EPA 8081B</i> | <b>90.6</b> |      | %REC  | 53-151 | 1               | 02/10/26 23:12 | 02/04/26 09:53 |
| <i>Surr: Tetrachloro-m-xylene</i> | <i>EPA 8081B</i> | <b>98.4</b> |      | %REC  | 67-127 | 1               | 02/10/26 23:12 | 02/04/26 09:53 |

## Polychlorinated Biphenyls (PCBs) by GC/ECD

|                                   |                  |             |   |       |        |   |                |                |
|-----------------------------------|------------------|-------------|---|-------|--------|---|----------------|----------------|
| Aroclor 1016                      | EPA 8082A        | <30.0       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1221                      | EPA 8082A        | <30.0       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1232                      | EPA 8082A        | <30.0       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1242                      | EPA 8082A        | <30.0       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1248                      | EPA 8082A        | <30.0       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1254                      | EPA 8082A        | <24.4       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1260                      | EPA 8082A        | <24.4       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1262                      | EPA 8082A        | <24.4       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Aroclor 1268                      | EPA 8082A        | <24.4       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| Total PCB                         | EPA 8082A        | <24.4       | U | µg/kg | 87.5   | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| <i>Surr: Decachlorobiphenyl</i>   | <i>EPA 8082A</i> | <b>110</b>  |   | %REC  | 54-146 | 1 | 02/04/26 21:00 | 02/04/26 13:25 |
| <i>Surr: Tetrachloro-m-xylene</i> | <i>EPA 8082A</i> | <b>87.9</b> |   | %REC  | 58-140 | 1 | 02/04/26 21:00 | 02/04/26 13:25 |

## Semivolatile Organic Compounds by GC-MS

|                            |           |       |   |       |      |   |                |                |
|----------------------------|-----------|-------|---|-------|------|---|----------------|----------------|
| 1,1'-Biphenyl (BZ-0)       | EPA 8270E | <9.72 | U | µg/kg | 59.3 | 1 | 02/07/26 18:21 | 02/05/26 09:09 |
| 1,2,4,5-Tetrachlorobenzene | EPA 8270E | <13.8 | U | µg/kg | 598  | 1 | 02/07/26 18:21 | 02/05/26 09:09 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                                                        | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|----------------------------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| 1,4-Dioxane (1,4-Diethyleneoxide)                              | EPA 8270E | <42.9   | U    | µg/kg | 299  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 1-Methylnaphthalene                                            | EPA 8270E | <8.62   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | EPA 8270E | <14.0   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,3,4,6-Tetrachlorophenol                                      | EPA 8270E | <43.9   | U    | µg/kg | 120  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,4,5-Trichlorophenol                                          | EPA 8270E | <35.5   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,4,6-Trichlorophenol                                          | EPA 8270E | <15.9   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,4-Dichlorophenol                                             | EPA 8270E | <32.2   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,4-Dimethylphenol                                             | EPA 8270E | <30.8   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,4-Dinitrophenol                                              | EPA 8270E | <438    | U    | µg/kg | 598  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,4-Dinitrotoluene (2,4-DNT)                                   | EPA 8270E | <38.9   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2,6-Dinitrotoluene (2,6-DNT)                                   | EPA 8270E | <15.3   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Chloronaphthalene                                            | EPA 8270E | <8.37   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Chlorophenol                                                 | EPA 8270E | <39.2   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)        | EPA 8270E | <50.0   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Methylnaphthalene                                            | EPA 8270E | <6.09   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Methylphenol (o-Cresol)                                      | EPA 8270E | <16.2   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Nitroaniline                                                 | EPA 8270E | <33.3   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 2-Nitrophenol                                                  | EPA 8270E | <17.1   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 3&4-Methylphenol                                               | EPA 8270E | <32.6   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 3,3'-Dichlorobenzidine                                         | EPA 8270E | <28.0   | U    | µg/kg | 299  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 3-Nitroaniline                                                 | EPA 8270E | <34.8   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 4-Bromophenyl phenyl ether (BDE-3)                             | EPA 8270E | <32.8   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 4-Chloro-3-methylphenol                                        | EPA 8270E | <17.1   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 4-Chloroaniline                                                | EPA 8270E | <30.4   | U    | µg/kg | 120  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 4-Chlorophenyl phenylether                                     | EPA 8270E | <16.5   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 4-Nitroaniline                                                 | EPA 8270E | <92.9   | U    | µg/kg | 299  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| 4-Nitrophenol                                                  | EPA 8270E | <140    | U    | µg/kg | 598  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Acenaphthene                                                   | EPA 8270E | <8.66   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                                                             | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|---------------------------------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| Acenaphthylene                                                      | EPA 8270E | <10.4   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Acetophenone                                                        | EPA 8270E | <9.38   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Anthracene                                                          | EPA 8270E | <8.44   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Atrazine                                                            | EPA 8270E | <35.1   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Benzaldehyde                                                        | EPA 8270E | <92.0   | U    | µg/kg | 120  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Benzo(a)anthracene                                                  | EPA 8270E | <10.3   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Benzo(a)pyrene                                                      | EPA 8270E | <7.35   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Benzo(b)fluoranthene                                                | EPA 8270E | <8.93   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Benzo(g,h,i)perylene                                                | EPA 8270E | <9.18   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Benzo(k)fluoranthene                                                | EPA 8270E | <9.07   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| bis(2-Chloroethoxy)<br>methane                                      | EPA 8270E | <37.9   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| bis(2-Chloroethyl) ether                                            | EPA 8270E | <17.0   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Butyl benzyl phthalate                                              | EPA 8270E | <75.0   | U    | µg/kg | 120  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Caprolactam                                                         | EPA 8270E | <54.0   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Carbazole                                                           | EPA 8270E | <17.6   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Chrysene                                                            | EPA 8270E | <9.68   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Di(2-ethylhexyl) phthalate<br>(bis(2-Ethylhexyl)phthalate,<br>DEHP) | EPA 8270E | <49.5   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Dibenz(a,h) anthracene                                              | EPA 8270E | <6.47   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Dibenzofuran                                                        | EPA 8270E | <8.80   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Diethyl phthalate                                                   | EPA 8270E | <20.4   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Dimethyl phthalate                                                  | EPA 8270E | <11.7   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Fluoranthene                                                        | EPA 8270E | <5.75   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Fluorene                                                            | EPA 8270E | <8.70   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Hexachlorobenzene                                                   | EPA 8270E | <17.4   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Hexachlorobutadiene                                                 | EPA 8270E | <14.1   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Hexachlorocyclopentadiene                                           | EPA 8270E | <56.8   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Hexachloroethane                                                    | EPA 8270E | <24.8   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Indeno(1,2,3-cd) pyrene                                             | EPA 8270E | <8.34   | U    | µg/kg | 12.0 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Isophorone                                                          | EPA 8270E | <11.7   | U    | µg/kg | 299  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Methylphenol, Total                                                 | EPA 8270E | <16.2   | U    | µg/kg | 59.3 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                           | Method           | Results     | Qual | Units | MRL    | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|-----------------------------------|------------------|-------------|------|-------|--------|--------------------|------------------|-------------------|
| Naphthalene                       | EPA 8270E        | <7.65       | U    | µg/kg | 12.0   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Nitrobenzene                      | EPA 8270E        | <20.1       | U    | µg/kg | 299    | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| n-Nitrosodi-n-propylamine         | EPA 8270E        | <9.88       | U    | µg/kg | 59.3   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| N-Nitrosodiphenylamine            | EPA 8270E        | <34.7       | U    | µg/kg | 59.3   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Pentachlorophenol                 | EPA 8270E        | <47.6       | U    | µg/kg | 59.3   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Phenanthrene                      | EPA 8270E        | <5.57       | U    | µg/kg | 12.0   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Phenol                            | EPA 8270E        | <30.1       | U    | µg/kg | 59.3   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Pyrene                            | EPA 8270E        | <5.98       | U    | µg/kg | 12.0   | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| Pyridine                          | EPA 8270E        | <118        | U    | µg/kg | 299    | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| <i>Surr: 2,4,6-Tribromophenol</i> | <i>EPA 8270E</i> | <b>71.3</b> |      | %REC  | 48-94  | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| <i>Surr: 2-Fluorobiphenyl</i>     | <i>EPA 8270E</i> | <b>77.1</b> |      | %REC  | 50-103 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| <i>Surr: 2-Fluorophenol</i>       | <i>EPA 8270E</i> | <b>74.6</b> |      | %REC  | 43-105 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| <i>Surr: 4-Terphenyl-d14</i>      | <i>EPA 8270E</i> | <b>78.3</b> |      | %REC  | 55-111 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| <i>Surr: Nitrobenzene-d5</i>      | <i>EPA 8270E</i> | <b>80.5</b> |      | %REC  | 47-100 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |
| <i>Surr: Phenol-d6</i>            | <i>EPA 8270E</i> | <b>75.9</b> |      | %REC  | 49-110 | 1                  | 02/07/26 18:21   | 02/05/26 09:09    |

## Volatile Organic Compounds by GC-MS

|                                                   |           |       |   |       |      |   |                |                |
|---------------------------------------------------|-----------|-------|---|-------|------|---|----------------|----------------|
| 1,1,1-Trichloroethane                             | EPA 8260D | <26.9 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,1,2,2-Tetrachloroethane                         | EPA 8260D | <26.2 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | <37.5 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,1,2-Trichloroethane                             | EPA 8260D | <25.2 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,1-Dichloroethane                                | EPA 8260D | <21.6 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,1-Dichloroethylene                              | EPA 8260D | <19.2 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2,3-Trichlorobenzene                            | EPA 8260D | <71.1 | U | µg/kg | 198  | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2,3-Trichloropropane                            | EPA 8260D | <24.8 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2,4-Trichlorobenzene                            | EPA 8260D | <67.2 | U | µg/kg | 198  | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2,4-Trimethylbenzene                            | EPA 8260D | <43.5 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2-Dibromo-3-chloropropane (DBCP)                | EPA 8260D | <54.6 | U | µg/kg | 198  | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2-Dibromoethane (EDB, Ethylene dibromide)       | EPA 8260D | <34.9 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)           | EPA 8260D | <22.5 | U | µg/kg | 59.3 | 1 | 02/04/26 21:35 | 02/04/26 14:39 |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                                     | Method    | Results | Qual | Units | MRL  | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|---------------------------------------------|-----------|---------|------|-------|------|--------------------|------------------|-------------------|
| 1,2-Dichloroethane<br>(Ethylene dichloride) | EPA 8260D | <34.9   | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 1,2-Dichloropropane                         | EPA 8260D | <43.7   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 1,3,5-Trimethylbenzene                      | EPA 8260D | <41.9   | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 1,3-Dichlorobenzene (m-<br>Dichlorobenzene) | EPA 8260D | <40.9   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 1,3-Dichloropropene                         | EPA 8260D | <33.1   | U    | µg/kg | 119  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 1,4-Dichlorobenzene (p-<br>Dichlorobenzene) | EPA 8260D | <48.2   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 2-Butanone (Methyl ethyl<br>ketone, MEK)    | EPA 8260D | <141    | U    | µg/kg | 395  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 2-Hexanone                                  | EPA 8260D | <29.4   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| 4-Methyl-2-pentanone<br>(MIBK)              | EPA 8260D | <55.3   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Acetone                                     | EPA 8260D | <176    | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Benzene                                     | EPA 8260D | <28.7   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Bromochloromethane                          | EPA 8260D | <30.2   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Bromodichloromethane                        | EPA 8260D | <33.2   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Bromoform                                   | EPA 8260D | <25.0   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Carbon disulfide                            | EPA 8260D | <30.7   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Carbon tetrachloride                        | EPA 8260D | <23.2   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Chlorobenzene                               | EPA 8260D | <19.7   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Chlorodibromomethane                        | EPA 8260D | <33.3   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Chloroethane (Ethyl<br>chloride)            | EPA 8260D | <166    | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Chloroform                                  | EPA 8260D | <21.7   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| cis-1,2-Dichloroethylene                    | EPA 8260D | <38.1   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| cis-1,3-Dichloropropene                     | EPA 8260D | <44.7   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Cyclohexane                                 | EPA 8260D | <45.4   | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Dichlorodifluoromethane<br>(Freon-12)       | EPA 8260D | <71.8   | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Ethylbenzene                                | EPA 8260D | <42.1   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Isopropylbenzene                            | EPA 8260D | <37.4   | U    | µg/kg | 59.3 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| m+p-Xylene                                  | EPA 8260D | <79.0   | U    | µg/kg | 119  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Methyl acetate                              | EPA 8260D | <71.0   | U    | µg/kg | 494  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Methyl bromide<br>(Bromomethane)            | EPA 8260D | <113    | U    | µg/kg | 198  | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |

# Analytical Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 10:43  
**Date Received:** 02/04/26 06:00

**CLIENT ID:** 12145 SB03 (5-6')\_20260203

**Lab ID:** HN2601572-003

| Analyte                                                         | Method           | Results     | Qual | Units | MRL    | Dilution<br>Factor | Date<br>Analyzed | Date<br>Extracted |
|-----------------------------------------------------------------|------------------|-------------|------|-------|--------|--------------------|------------------|-------------------|
| Methyl chloride<br>(Chloromethane)                              | EPA 8260D        | <162        | U    | µg/kg | 198    | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Methyl tert-butyl ether<br>(MTBE)                               | EPA 8260D        | <43.2       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Methylcyclohexane                                               | EPA 8260D        | <22.6       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Methylene chloride<br>(Dichloromethane)                         | EPA 8260D        | <157        | U    | µg/kg | 494    | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| o-Xylene                                                        | EPA 8260D        | <22.9       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Styrene                                                         | EPA 8260D        | <23.5       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Tetrachloroethylene<br>(Perchloroethylene)                      | EPA 8260D        | <35.7       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Toluene                                                         | EPA 8260D        | <48.9       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Total Xylene                                                    | EPA 8260D        | <22.9       | U    | µg/kg | 178    | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| trans-1,2-Dichloroethylene                                      | EPA 8260D        | <48.9       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| trans-1,3-Dichloropropylene                                     | EPA 8260D        | <33.1       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Trichloroethene<br>(Trichloroethylene)                          | EPA 8260D        | <26.6       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Trichlorofluoromethane<br>(Fluorotrichloromethane,<br>Freon 11) | EPA 8260D        | <30.3       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| Vinyl chloride<br>(Chloroethene)                                | EPA 8260D        | <39.4       | U    | µg/kg | 59.3   | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| <i>Surr: 1,2-Dichloroethane-d4</i>                              | <i>EPA 8260D</i> | <b>100</b>  |      | %REC  | 80-120 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| <i>Surr: 4-Bromofluorobenzene</i>                               | <i>EPA 8260D</i> | <b>99.5</b> |      | %REC  | 80-120 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| <i>Surr: Dibromofluoromethane</i>                               | <i>EPA 8260D</i> | <b>99.4</b> |      | %REC  | 72-120 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |
| <i>Surr: Toluene-d8</i>                                         | <i>EPA 8260D</i> | <b>99.9</b> |      | %REC  | 80-120 | 1                  | 02/04/26 21:35   | 02/04/26 14:39    |



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441148

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3865925

## Chlorinated Herbicides by GC/ECD

| MB | CLIENT ID: Method Blank | Lab ID: QC-2441148-001 |
|----|-------------------------|------------------------|
|----|-------------------------|------------------------|

**Method:** EPA 8151A **Dilution:** 1 **Analysis Date:** 02/07/26 17:02  
**Prep Date:** 02/04/26 16:32

| Analyte           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 2,4,5-T           | <0.920 | µg/kg | 5.00 |              |                   |       |              |     |           | U    |
| 2,4,5-TP (Silvex) | <1.64  | µg/kg | 5.00 |              |                   |       |              |     |           | U    |
| 2,4-D             | <2.67  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Surr: DCAA        | 48.0   | µg/kg |      | 50           |                   | 96.0  | 10-116       |     |           |      |

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2441148-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8151A **Dilution:** 1 **Analysis Date:** 02/07/26 17:15  
**Prep Date:** 02/04/26 16:32

| Analyte           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 2,4,5-T           | 32.0   | µg/kg | 5.00 | 50           |                   | 64.0  | 10-119       |     |           |      |
| 2,4,5-TP (Silvex) | 31.0   | µg/kg | 5.00 | 50           |                   | 62.0  | 10-101       |     |           |      |
| 2,4-D             | 34.0   | µg/kg | 10.0 | 50           |                   | 68.0  | 10-128       |     |           |      |
| Surr: DCAA        | 49.0   | µg/kg |      | 50           |                   | 98.0  | 10-116       |     |           |      |

| MS | CLIENT ID: Batch QC | Lab ID: QC-2441148-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8151A **Dilution:** 1 **Analysis Date:** 02/07/26 17:28  
**Prep Date:** 02/04/26 16:32

| Analyte           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 2,4,5-T           | 52.7   | µg/kg | 8.52 | 82.372       | <1.52             | 64.0  | 10-119       |     |           |      |
| 2,4,5-TP (Silvex) | 47.8   | µg/kg | 8.52 | 82.372       | <2.70             | 58.0  | 10-101       |     |           |      |
| 2,4-D             | 54.4   | µg/kg | 17.0 | 82.372       | <4.40             | 66.0  | 10-128       |     |           |      |
| Surr: DCAA        | 72.5   | µg/kg |      | 82.372       |                   | 88.0  | 10-116       |     |           |      |

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2441148-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8151A **Dilution:** 1 **Analysis Date:** 02/07/26 17:41  
**Prep Date:** 02/04/26 16:32

| Analyte           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD  | RPD Limit | Qual |
|-------------------|--------|-------|------|--------------|-------------------|-------|--------------|------|-----------|------|
| 2,4,5-T           | 49.4   | µg/kg | 8.52 | 82.372       | <1.52             | 60.0  | 10-119       | 6.45 | 30        |      |
| 2,4,5-TP (Silvex) | 46.1   | µg/kg | 8.52 | 82.372       | <2.70             | 56.0  | 10-101       | 3.51 | 30        |      |
| 2,4-D             | 47.8   | µg/kg | 17.0 | 82.372       | <4.40             | 58.0  | 10-128       | 12.9 | 30        |      |
| Surr: DCAA        | 72.5   | µg/kg |      | 82.372       |                   | 88.0  | 10-116       | 0.00 | 30        |      |

The following samples were analyzed in this batch: HN2601572-001, HN2601572-002, HN2601572-003



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440539

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3859151

### General Chemistry Parameters

|           |                                |                               |
|-----------|--------------------------------|-------------------------------|
| <b>MB</b> | <b>CLIENT ID: Method Blank</b> | <b>Lab ID: QC-2440539-001</b> |
|-----------|--------------------------------|-------------------------------|

**Method:** EPA 3550C      **Dilution:** 1      **Analysis Date:** 02/04/26 10:35  
**Prep Date:** NA

| <b>Analyte</b>   | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|------------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Percent Moisture | <0.1          | %            | 0.1        |                     |                          |              |                     |            |                  | U           |

|            |                                             |                               |
|------------|---------------------------------------------|-------------------------------|
| <b>LCS</b> | <b>CLIENT ID: Laboratory Control Sample</b> | <b>Lab ID: QC-2440539-002</b> |
|------------|---------------------------------------------|-------------------------------|

**Method:** EPA 3550C      **Dilution:** 1      **Analysis Date:** 02/04/26 10:35  
**Prep Date:** NA

| <b>Analyte</b>   | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|------------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Percent Moisture | 99.9          | %            | 0.1        | 100                 |                          | 99.9         | 98-102              |            |                  |             |

|            |                            |                               |
|------------|----------------------------|-------------------------------|
| <b>DUP</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2440539-004</b> |
|------------|----------------------------|-------------------------------|

**Method:** EPA 3550C      **Dilution:** 1      **Analysis Date:** 02/04/26 10:35  
**Prep Date:** NA

| <b>Analyte</b>   | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|------------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Percent Moisture | 86.0          | %            | 0.1        |                     | 86.2                     |              |                     | 0.267      | 10               |             |

**The following samples were analyzed in this batch:** HN2601572-001, HN2601572-002, HN2601572-003



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440539

**Work Order:** HN2601572  
**Date Collected:** 02/03/26 12:09  
**Date Received:** 02/04/26 06:00  
**Run ID:** 3863426

**General Chemistry Parameters**

|            |                            |                               |
|------------|----------------------------|-------------------------------|
| <b>DUP</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2440539-015</b> |
|------------|----------------------------|-------------------------------|

**Method:** EPA 3550C**Dilution:** 1**Analysis Date:** 02/05/26 17:29**Prep Date:** NA

| <b>Analyte</b>   | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|------------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Percent Moisture | 6.7           | %            | 0.1        |                     | <0.1                     |              |                     | 4.13       | 10               |             |

**The following samples were analyzed in this batch:** HN2601572-001, HN2601572-002, HN2601572-003

# QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440581

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3861166

## General Chemistry Parameters

|           |                                |                               |
|-----------|--------------------------------|-------------------------------|
| <b>MB</b> | <b>CLIENT ID: Method Blank</b> | <b>Lab ID: QC-2440581-001</b> |
|-----------|--------------------------------|-------------------------------|

**Method:** EPA 9056A **Dilution:** 1 **Analysis Date:** 02/05/26 05:22  
**Prep Date:** 02/04/26 17:05

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Chloride       | <3.10         | mg/kg        | 10.0       |                     |                          |              |                     |            |                  | U           |

|            |                                             |                               |
|------------|---------------------------------------------|-------------------------------|
| <b>LCS</b> | <b>CLIENT ID: Laboratory Control Sample</b> | <b>Lab ID: QC-2440581-002</b> |
|------------|---------------------------------------------|-------------------------------|

**Method:** EPA 9056A **Dilution:** 1 **Analysis Date:** 02/04/26 18:22  
**Prep Date:** 02/04/26 17:05

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Chloride       | 93.4          | mg/kg        | 10.0       | 100                 |                          | 93.4         | 87-110              |            |                  |             |

|           |                            |                               |
|-----------|----------------------------|-------------------------------|
| <b>MS</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2440581-004</b> |
|-----------|----------------------------|-------------------------------|

**Method:** EPA 9056A **Dilution:** 1 **Analysis Date:** 02/05/26 05:46  
**Prep Date:** 02/04/26 17:05

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Chloride       | 94.4          | mg/kg        | 10.3       | 99.856              | <3.10                    | 91.9         | 87-110              |            |                  |             |

|            |                            |                               |
|------------|----------------------------|-------------------------------|
| <b>MSD</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2440581-005</b> |
|------------|----------------------------|-------------------------------|

**Method:** EPA 9056A **Dilution:** 1 **Analysis Date:** 02/05/26 05:54  
**Prep Date:** 02/04/26 17:05

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Chloride       | 94.9          | mg/kg        | 10.3       | 99.745              | <3.10                    | 92.5         | 87-110              | 0.584      | 15               |             |

The following samples were analyzed in this batch: HN2601572-001, HN2601572-002, HN2601572-003

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442349

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3864619

## Metals

|           |                                |                               |
|-----------|--------------------------------|-------------------------------|
| <b>MB</b> | <b>CLIENT ID: Method Blank</b> | <b>Lab ID: QC-2442349-001</b> |
|-----------|--------------------------------|-------------------------------|

**Method:** EPA 7471B **Dilution:** 1 **Analysis Date:** 02/06/26 10:25  
**Prep Date:** 02/05/26 13:32

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Mercury        | <0.0136       | mg/kg        | 0.0200     |                     |                          |              |                     |            |                  | U           |

|            |                                             |                               |
|------------|---------------------------------------------|-------------------------------|
| <b>LCS</b> | <b>CLIENT ID: Laboratory Control Sample</b> | <b>Lab ID: QC-2442349-002</b> |
|------------|---------------------------------------------|-------------------------------|

**Method:** EPA 7471B **Dilution:** 1 **Analysis Date:** 02/06/26 10:27  
**Prep Date:** 02/05/26 13:32

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Mercury        | 0.156         | mg/kg        | 0.0200     | 0.1665              |                          | 93.6         | 80-120              |            |                  |             |

|           |                            |                               |
|-----------|----------------------------|-------------------------------|
| <b>MS</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2442349-004</b> |
|-----------|----------------------------|-------------------------------|

**Method:** EPA 7471B **Dilution:** 1 **Analysis Date:** 02/06/26 10:31  
**Prep Date:** 02/05/26 13:32

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Mercury        | 0.176         | mg/kg        | 0.0200     | 0.14932             | <0.0136                  | 111          | 75-125              |            |                  |             |

|            |                            |                               |
|------------|----------------------------|-------------------------------|
| <b>MSD</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2442349-005</b> |
|------------|----------------------------|-------------------------------|

**Method:** EPA 7471B **Dilution:** 1 **Analysis Date:** 02/06/26 10:33  
**Prep Date:** 02/05/26 13:32

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>MRL</b> | <b>Spike Amount</b> | <b>Spike Ref. Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>RPD</b> | <b>RPD Limit</b> | <b>Qual</b> |
|----------------|---------------|--------------|------------|---------------------|--------------------------|--------------|---------------------|------------|------------------|-------------|
| Mercury        | 0.166         | mg/kg        | 0.0208     | 0.16243             | <0.0136                  | 95.2         | 75-125              | 6.15       | 35               |             |

The following samples were analyzed in this batch: HN2601572-001, HN2601572-002, HN2601572-003

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2444361

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3869256

## Metals

|           |                                |                               |
|-----------|--------------------------------|-------------------------------|
| <b>MB</b> | <b>CLIENT ID: Method Blank</b> | <b>Lab ID: QC-2444361-001</b> |
|-----------|--------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 1 **Analysis Date:** 02/09/26 20:03  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result  | Units | MRL   | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|---------|-------|-------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | <0.0300 | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Barium   | <0.230  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Cadmium  | <0.0150 | mg/kg | 0.100 |              |                   |       |              |     |           | U    |
| Chromium | <0.110  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Copper   | <0.250  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Lead     | <0.120  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Selenium | <0.230  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Silver   | <0.0330 | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Zinc     | <0.490  | mg/kg | 0.500 |              |                   |       |              |     |           | U    |

|            |                                             |                               |
|------------|---------------------------------------------|-------------------------------|
| <b>LCS</b> | <b>CLIENT ID: Laboratory Control Sample</b> | <b>Lab ID: QC-2444361-002</b> |
|------------|---------------------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 1 **Analysis Date:** 02/09/26 20:05  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result | Units | MRL   | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|-------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | 4.87   | mg/kg | 0.250 | 5            |                   | 97.4  | 80-120       |     |           |      |
| Barium   | 4.63   | mg/kg | 0.250 | 5            |                   | 92.6  | 80-120       |     |           |      |
| Cadmium  | 4.88   | mg/kg | 0.100 | 5            |                   | 97.6  | 80-120       |     |           |      |
| Chromium | 5.13   | mg/kg | 0.250 | 5            |                   | 103   | 80-120       |     |           |      |
| Copper   | 4.55   | mg/kg | 0.250 | 5            |                   | 91.1  | 80-120       |     |           |      |
| Lead     | 4.93   | mg/kg | 0.250 | 5            |                   | 98.7  | 80-120       |     |           |      |
| Selenium | 4.89   | mg/kg | 0.250 | 5            |                   | 97.8  | 80-120       |     |           |      |
| Silver   | 4.96   | mg/kg | 0.250 | 5            |                   | 99.2  | 80-120       |     |           |      |
| Zinc     | 4.89   | mg/kg | 0.500 | 5            |                   | 97.8  | 80-120       |     |           |      |

|           |                            |                               |
|-----------|----------------------------|-------------------------------|
| <b>MS</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2444361-004</b> |
|-----------|----------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 1 **Analysis Date:** 02/09/26 20:08  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result | Units | MRL   | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|-------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Cadmium  | 4.90   | mg/kg | 0.129 | 6.0459       | <0.0181           | 81.1  | 75-125       |     |           |      |
| Copper   | 10.1   | mg/kg | 0.322 | 6.0459       | 5.59              | 79.7  | 75-125       |     |           |      |
| Selenium | 5.10   | mg/kg | 0.322 | 6.0459       | <0.278            | 82.7  | 75-125       |     |           |      |

|            |                            |                               |
|------------|----------------------------|-------------------------------|
| <b>MSD</b> | <b>CLIENT ID: Batch QC</b> | <b>Lab ID: QC-2444361-005</b> |
|------------|----------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 1 **Analysis Date:** 02/09/26 20:10  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result | Units | MRL   | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD  | RPD Limit | Qual |
|----------|--------|-------|-------|--------------|-------------------|-------|--------------|------|-----------|------|
| Cadmium  | 5.05   | mg/kg | 0.128 | 6.0241       | <0.0181           | 83.7  | 75-125       | 2.85 | 20        |      |
| Copper   | 11.5   | mg/kg | 0.321 | 6.0241       | 5.59              | 104   | 75-125       | 13.3 | 20        |      |
| Selenium | 5.22   | mg/kg | 0.321 | 6.0241       | <0.277            | 84.9  | 75-125       | 2.28 | 20        |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2444361

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3869256

|                                                                                        |
|----------------------------------------------------------------------------------------|
| <b>The following samples were analyzed in this batch:</b> HN2601572-001, HN2601572-002 |
|----------------------------------------------------------------------------------------|

# QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2444361

**Work Order:** HN2601572  
**Date Collected:** 01/26/26 14:20  
**Date Received:** 01/28/26 11:30  
**Run ID:** 3871051

## Metals

| MS | CLIENT ID: Batch QC | Lab ID: QC-2444361-004 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 6020B **Dilution:** 10 **Analysis Date:** 02/10/26 14:30  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | 16.4   | mg/kg | 3.22 | 6.0459       | 13.0              | 69.4  | 75-125       |     |           | S    |
| Barium   | 19.2   | mg/kg | 3.22 | 6.0459       | 12.6              | 121   | 75-125       |     |           |      |
| Chromium | 13.1   | mg/kg | 3.22 | 6.0459       | 3.83              | 157   | 75-125       |     |           | S    |
| Lead     | 15.6   | mg/kg | 3.22 | 6.0459       | 9.61              | 109   | 75-125       |     |           |      |
| Silver   | 7.50   | mg/kg | 3.22 | 6.0459       | <0.399            | 124   | 75-125       |     |           |      |
| Zinc     | 42.0   | mg/kg | 6.44 | 5            | 83.5              | NC    | 75-125       |     |           | O    |

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2444361-005 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 6020B **Dilution:** 10 **Analysis Date:** 02/10/26 14:32  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD  | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|------|-----------|------|
| Arsenic  | 13.1   | mg/kg | 3.21 | 6.0241       | 13.0              | 15.7  | 75-125       | 22.0 | 20        | RS   |
| Barium   | 14.6   | mg/kg | 3.21 | 6.0241       | 12.6              | 45.9  | 75-125       | 26.9 | 20        | RS   |
| Chromium | 10.8   | mg/kg | 3.21 | 6.0241       | 3.83              | 120   | 75-125       | 18.8 | 20        |      |
| Lead     | 12.2   | mg/kg | 3.21 | 6.0241       | 9.61              | 52.1  | 75-125       | 24.8 | 20        | RS   |
| Silver   | 6.61   | mg/kg | 3.21 | 6.0241       | <0.398            | 109   | 75-125       | 12.6 | 20        |      |
| Zinc     | 29.5   | mg/kg | 6.42 | 5            | 83.5              | NC    | 75-125       | 35.0 | 20        | OR   |

| PDS | CLIENT ID: Batch QC | Lab ID: QC-2444361-007 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 6020B **Dilution:** 10 **Analysis Date:** 02/10/26 14:35  
**Prep Date:** 02/06/26 14:06

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | 78.9   | mg/kg | 3.12 | 58.617       | 13.0              | 114   | 75-125       |     |           |      |
| Barium   | 71.9   | mg/kg | 3.12 | 58.617       | 12.6              | 102   | 75-125       |     |           |      |
| Chromium | 73.5   | mg/kg | 3.12 | 58.617       | 3.83              | 119   | 75-125       |     |           |      |
| Lead     | 75.0   | mg/kg | 3.12 | 58.617       | 9.61              | 113   | 75-125       |     |           |      |
| Silver   | 56.1   | mg/kg | 3.12 | 58.617       | <0.387            | 95.6  | 75-125       |     |           |      |
| Zinc     | 137    | mg/kg | 6.24 | 58.617       | 83.5              | 101   | 75-125       |     |           |      |

The following samples were analyzed in this batch: HN2601572-001, HN2601572-002



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2444363

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3869270

**Metals**

|           |                                |                               |
|-----------|--------------------------------|-------------------------------|
| <b>MB</b> | <b>CLIENT ID: Method Blank</b> | <b>Lab ID: QC-2444363-001</b> |
|-----------|--------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 1 **Analysis Date:** 02/09/26 20:57  
**Prep Date:** 02/06/26 15:03

| Analyte  | Result  | Units | MRL   | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|---------|-------|-------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | <0.0300 | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Barium   | <0.230  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Cadmium  | <0.0150 | mg/kg | 0.100 |              |                   |       |              |     |           | U    |
| Chromium | <0.110  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Copper   | <0.250  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Lead     | <0.120  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Selenium | <0.230  | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Silver   | <0.0330 | mg/kg | 0.250 |              |                   |       |              |     |           | U    |
| Zinc     | <0.490  | mg/kg | 0.500 |              |                   |       |              |     |           | U    |

|            |                                             |                               |
|------------|---------------------------------------------|-------------------------------|
| <b>LCS</b> | <b>CLIENT ID: Laboratory Control Sample</b> | <b>Lab ID: QC-2444363-002</b> |
|------------|---------------------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 1 **Analysis Date:** 02/09/26 20:58  
**Prep Date:** 02/06/26 15:03

| Analyte  | Result | Units | MRL   | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|-------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | 4.76   | mg/kg | 0.250 | 5            |                   | 95.2  | 80-120       |     |           |      |
| Barium   | 4.53   | mg/kg | 0.250 | 5            |                   | 90.7  | 80-120       |     |           |      |
| Cadmium  | 4.69   | mg/kg | 0.100 | 5            |                   | 93.8  | 80-120       |     |           |      |
| Chromium | 4.85   | mg/kg | 0.250 | 5            |                   | 97.0  | 80-120       |     |           |      |
| Copper   | 4.41   | mg/kg | 0.250 | 5            |                   | 88.1  | 80-120       |     |           |      |
| Lead     | 4.82   | mg/kg | 0.250 | 5            |                   | 96.4  | 80-120       |     |           |      |
| Selenium | 4.72   | mg/kg | 0.250 | 5            |                   | 94.3  | 80-120       |     |           |      |
| Silver   | 4.74   | mg/kg | 0.250 | 5            |                   | 94.8  | 80-120       |     |           |      |
| Zinc     | 4.62   | mg/kg | 0.500 | 5            |                   | 92.4  | 80-120       |     |           |      |

|           |                                              |                               |
|-----------|----------------------------------------------|-------------------------------|
| <b>MS</b> | <b>CLIENT ID: 12145 SB03 (5-6')_20260203</b> | <b>Lab ID: QC-2444363-004</b> |
|-----------|----------------------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 10 **Analysis Date:** 02/09/26 21:05  
**Prep Date:** 02/06/26 15:03

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | 10.9   | mg/kg | 3.42 | 6.1652       | 6.91              | 75.9  | 75-125       |     |           |      |
| Barium   | 18.4   | mg/kg | 3.42 | 6.1652       | 14.8              | 81.9  | 75-125       |     |           |      |
| Cadmium  | 5.76   | mg/kg | 1.37 | 6.1652       | <0.185            | 91.1  | 75-125       |     |           |      |
| Chromium | 11.8   | mg/kg | 3.42 | 6.1652       | 6.95              | 89.7  | 75-125       |     |           |      |
| Copper   | 12.8   | mg/kg | 3.42 | 6.1652       | 11.3              | 42.3  | 75-125       |     |           | S    |
| Lead     | 10.4   | mg/kg | 3.42 | 6.1652       | 6.01              | 80.9  | 75-125       |     |           |      |
| Selenium | 6.14   | mg/kg | 3.42 | 6.1652       | <2.84             | 92.6  | 75-125       |     |           |      |
| Silver   | 5.25   | mg/kg | 3.42 | 6.1652       | <0.407            | 85.0  | 75-125       |     |           |      |
| Zinc     | 37.8   | mg/kg | 6.83 | 5            | 42.0              | NC    | 75-125       |     |           | O    |

# QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2444363

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3869270

|            |                                              |                               |
|------------|----------------------------------------------|-------------------------------|
| <b>MSD</b> | <b>CLIENT ID: 12145 SB03 (5-6')_20260203</b> | <b>Lab ID: QC-2444363-005</b> |
|------------|----------------------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 10 **Analysis Date:** 02/09/26 21:06  
**Prep Date:** 02/06/26 15:03

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD  | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|------|-----------|------|
| Arsenic  | 11.9   | mg/kg | 3.40 | 6.1425       | 6.91              | 92.8  | 75-125       | 8.93 | 20        |      |
| Barium   | 20.1   | mg/kg | 3.40 | 6.1425       | 14.8              | 110   | 75-125       | 9.00 | 20        |      |
| Cadmium  | 5.85   | mg/kg | 1.36 | 6.1425       | <0.184            | 92.9  | 75-125       | 1.55 | 20        |      |
| Chromium | 12.3   | mg/kg | 3.40 | 6.1425       | 6.95              | 97.4  | 75-125       | 3.78 | 20        |      |
| Copper   | 15.2   | mg/kg | 3.40 | 6.1425       | 11.3              | 81.7  | 75-125       | 17.2 | 20        |      |
| Lead     | 11.8   | mg/kg | 3.40 | 6.1425       | 6.01              | 104   | 75-125       | 12.5 | 20        |      |
| Selenium | 6.36   | mg/kg | 3.40 | 6.1425       | <2.83             | 96.5  | 75-125       | 3.49 | 20        |      |
| Silver   | 5.39   | mg/kg | 3.40 | 6.1425       | <0.405            | 87.7  | 75-125       | 2.78 | 20        |      |
| Zinc     | 43.0   | mg/kg | 6.81 | 5            | 42.0              | NC    | 75-125       | 12.6 | 20        | O    |

|            |                                              |                               |
|------------|----------------------------------------------|-------------------------------|
| <b>PDS</b> | <b>CLIENT ID: 12145 SB03 (5-6')_20260203</b> | <b>Lab ID: QC-2444363-007</b> |
|------------|----------------------------------------------|-------------------------------|

**Method:** EPA 6020B **Dilution:** 10 **Analysis Date:** 02/09/26 21:10  
**Prep Date:** 02/06/26 15:03

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Arsenic  | 65.6   | mg/kg | 3.36 | 60.68        | 6.91              | 97.9  | 75-125       |     |           |      |
| Barium   | 69.4   | mg/kg | 3.36 | 60.68        | 14.8              | 92.4  | 75-125       |     |           |      |
| Cadmium  | 57.2   | mg/kg | 1.34 | 60.68        | <0.182            | 94.0  | 75-125       |     |           |      |
| Chromium | 65.5   | mg/kg | 3.36 | 60.68        | 6.95              | 97.5  | 75-125       |     |           |      |
| Copper   | 68.8   | mg/kg | 3.36 | 60.68        | 11.3              | 96.6  | 75-125       |     |           |      |
| Lead     | 65.1   | mg/kg | 3.36 | 60.68        | 6.01              | 98.4  | 75-125       |     |           |      |
| Selenium | 57.7   | mg/kg | 3.36 | 60.68        | <2.79             | 94.3  | 75-125       |     |           |      |
| Silver   | 46.5   | mg/kg | 3.36 | 60.68        | <0.400            | 76.5  | 75-125       |     |           |      |
| Zinc     | 92.9   | mg/kg | 6.72 | 60.68        | 42.0              | 90.6  | 75-125       |     |           |      |

The following samples were analyzed in this batch: HN2601572-003



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440525

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3861732

## Organochlorine Pesticides by GC/ECD

|           |                                |                               |
|-----------|--------------------------------|-------------------------------|
| <b>MB</b> | <b>CLIENT ID: Method Blank</b> | <b>Lab ID: QC-2440525-001</b> |
|-----------|--------------------------------|-------------------------------|

**Method:** EPA 8081B**Dilution:** 1**Analysis Date:** 02/10/26 18:36**Prep Date:** 02/04/26 09:54

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 4,4'-DDD                   | <6.39  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| 4,4'-DDE                   | <6.59  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| 4,4'-DDT                   | <6.65  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Aldrin                     | <6.50  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| alpha-BHC                  | <6.58  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| beta-BHC                   | <6.57  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Chlordane, Technical       | <9.92  | µg/kg | 25.0 |              |                   |       |              |     |           | U    |
| cis-Chlordane              | <6.68  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| delta-BHC                  | <6.55  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Dieldrin                   | <6.99  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Endosulfan I               | <6.72  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Endosulfan II              | <6.62  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Endosulfan sulfate         | <6.15  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Endrin                     | <8.09  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Endrin aldehyde            | <6.34  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Endrin ketone              | <6.08  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| gamma-BHC (Lindane)        | <6.56  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Heptachlor                 | <6.45  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Heptachlor epoxide         | <6.62  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Methoxychlor               | <6.69  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Toxaphene                  | <10.8  | µg/kg | 60.0 |              |                   |       |              |     |           | U    |
| trans-Chlordane            | <6.64  | µg/kg | 10.0 |              |                   |       |              |     |           | U    |
| Surr: Decachlorobiphenyl   | 30.3   | µg/kg |      | 33.33        |                   | 90.9  | 53-151       |     |           |      |
| Surr: Tetrachloro-m-xylene | 35.2   | µg/kg |      | 33.33        |                   | 106   | 67-127       |     |           |      |

|            |                                             |                               |
|------------|---------------------------------------------|-------------------------------|
| <b>LCS</b> | <b>CLIENT ID: Laboratory Control Sample</b> | <b>Lab ID: QC-2440525-002</b> |
|------------|---------------------------------------------|-------------------------------|

**Method:** EPA 8081B**Dilution:** 1**Analysis Date:** 02/10/26 18:47**Prep Date:** 02/04/26 09:54

| Analyte            | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|--------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 4,4'-DDD           | 36.2   | µg/kg | 10.0 | 33.33        |                   | 109   | 55-141       |     |           |      |
| 4,4'-DDE           | 36.2   | µg/kg | 10.0 | 33.33        |                   | 109   | 55-143       |     |           |      |
| 4,4'-DDT           | 37.0   | µg/kg | 10.0 | 33.33        |                   | 111   | 50-144       |     |           |      |
| Aldrin             | 35.9   | µg/kg | 10.0 | 33.33        |                   | 108   | 57-141       |     |           |      |
| alpha-BHC          | 34.9   | µg/kg | 10.0 | 33.33        |                   | 105   | 58-144       |     |           |      |
| beta-BHC           | 35.3   | µg/kg | 10.0 | 33.33        |                   | 106   | 55-147       |     |           |      |
| cis-Chlordane      | 36.0   | µg/kg | 10.0 | 33.33        |                   | 108   | 58-142       |     |           |      |
| delta-BHC          | 30.1   | µg/kg | 10.0 | 33.33        |                   | 90.3  | 59-142       |     |           |      |
| Dieldrin           | 36.3   | µg/kg | 10.0 | 33.33        |                   | 109   | 59-142       |     |           |      |
| Endosulfan I       | 35.4   | µg/kg | 10.0 | 33.33        |                   | 106   | 57-145       |     |           |      |
| Endosulfan II      | 36.0   | µg/kg | 10.0 | 33.33        |                   | 108   | 58-138       |     |           |      |
| Endosulfan sulfate | 34.4   | µg/kg | 10.0 | 33.33        |                   | 103   | 54-136       |     |           |      |
| Endrin             | 40.9   | µg/kg | 10.0 | 33.33        |                   | 123   | 45-150       |     |           |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440525

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3861732

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2440525-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8081B

**Dilution:** 1

**Analysis Date:** 02/10/26 18:47

**Prep Date:** 02/04/26 09:54

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Endrin aldehyde            | 34.3   | µg/kg | 10.0 | 33.33        |                   | 103   | 41-147       |     |           |      |
| Endrin ketone              | 32.8   | µg/kg | 10.0 | 33.33        |                   | 98.6  | 54-146       |     |           |      |
| gamma-BHC (Lindane)        | 35.4   | µg/kg | 10.0 | 33.33        |                   | 106   | 58-145       |     |           |      |
| Heptachlor                 | 37.7   | µg/kg | 10.0 | 33.33        |                   | 113   | 51-145       |     |           |      |
| Heptachlor epoxide         | 36.2   | µg/kg | 10.0 | 33.33        |                   | 109   | 59-143       |     |           |      |
| Methoxychlor               | 35.5   | µg/kg | 10.0 | 33.33        |                   | 106   | 43-144       |     |           |      |
| trans-Chlordane            | 36.2   | µg/kg | 10.0 | 33.33        |                   | 109   | 56-145       |     |           |      |
| Surr: Decachlorobiphenyl   | 30.9   | µg/kg |      | 33.33        |                   | 92.7  | 51-151       |     |           |      |
| Surr: Tetrachloro-m-xylene | 34.7   | µg/kg |      | 33.33        |                   | 104   | 67-127       |     |           |      |

| MS | CLIENT ID: Batch QC | Lab ID: QC-2440525-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8081B

**Dilution:** 1

**Analysis Date:** 02/10/26 19:33

**Prep Date:** 02/04/26 09:54

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 4,4'-DDD                   | 37.4   | µg/kg | 10.3 | 33.263       | <6.38             | 112   | 55-141       |     |           |      |
| 4,4'-DDE                   | 36.8   | µg/kg | 10.3 | 33.263       | <6.57             | 111   | 55-143       |     |           |      |
| 4,4'-DDT                   | 40.8   | µg/kg | 10.3 | 33.263       | <6.64             | 123   | 50-144       |     |           |      |
| Aldrin                     | 36.3   | µg/kg | 10.3 | 33.263       | <6.49             | 109   | 57-141       |     |           |      |
| alpha-BHC                  | 35.5   | µg/kg | 10.3 | 33.263       | <6.57             | 107   | 58-144       |     |           |      |
| beta-BHC                   | 35.3   | µg/kg | 10.3 | 33.263       | <6.55             | 106   | 55-147       |     |           |      |
| cis-Chlordane              | 36.6   | µg/kg | 10.3 | 33.263       | <6.67             | 110   | 58-142       |     |           |      |
| delta-BHC                  | 29.8   | µg/kg | 10.3 | 33.263       | <6.53             | 89.7  | 59-142       |     |           |      |
| Dieldrin                   | 36.9   | µg/kg | 10.3 | 33.263       | <6.98             | 111   | 59-142       |     |           |      |
| Endosulfan I               | 35.6   | µg/kg | 10.3 | 33.263       | <6.71             | 107   | 57-145       |     |           |      |
| Endosulfan II              | 36.3   | µg/kg | 10.3 | 33.263       | <6.61             | 109   | 58-138       |     |           |      |
| Endosulfan sulfate         | 35.0   | µg/kg | 10.3 | 33.263       | <6.14             | 105   | 54-135       |     |           |      |
| Endrin                     | 41.6   | µg/kg | 10.3 | 33.263       | <8.07             | 125   | 45-150       |     |           |      |
| Endrin aldehyde            | 37.8   | µg/kg | 10.3 | 33.263       | <6.33             | 114   | 41-147       |     |           |      |
| Endrin ketone              | 34.2   | µg/kg | 10.3 | 33.263       | <6.07             | 103   | 54-146       |     |           |      |
| gamma-BHC (Lindane)        | 36.0   | µg/kg | 10.3 | 33.263       | <6.55             | 108   | 58-145       |     |           |      |
| Heptachlor                 | 38.4   | µg/kg | 10.3 | 33.263       | <6.44             | 115   | 51-145       |     |           |      |
| Heptachlor epoxide         | 36.7   | µg/kg | 10.3 | 33.263       | <6.60             | 110   | 59-143       |     |           |      |
| Methoxychlor               | 39.7   | µg/kg | 10.3 | 33.263       | <6.67             | 119   | 43-144       |     |           |      |
| trans-Chlordane            | 36.9   | µg/kg | 10.3 | 33.263       | <6.63             | 111   | 56-145       |     |           |      |
| Surr: Decachlorobiphenyl   | 32.8   | µg/kg |      | 33.263       |                   | 98.7  | 53-151       |     |           |      |
| Surr: Tetrachloro-m-xylene | 34.1   | µg/kg |      | 33.263       |                   | 103   | 67-127       |     |           |      |

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2440525-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8081B

**Dilution:** 1

**Analysis Date:** 02/10/26 19:45

**Prep Date:** 02/04/26 09:54

| Analyte  | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD  | RPD Limit | Qual |
|----------|--------|-------|------|--------------|-------------------|-------|--------------|------|-----------|------|
| 4,4'-DDD | 35.9   | µg/kg | 10.3 | 33.175       | <6.39             | 108   | 55-141       | 4.17 | 20        |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440525

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3861732

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2440525-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8081B

**Dilution:** 1

**Analysis Date:** 02/10/26 19:45

**Prep Date:** 02/04/26 09:54

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD    | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|--------|-----------|------|
| 4,4'-DDE                   | 36.0   | µg/kg | 10.3 | 33.175       | <6.59             | 109   | 55-143       | 2.00   | 20        |      |
| 4,4'-DDT                   | 38.8   | µg/kg | 10.3 | 33.175       | <6.65             | 117   | 50-144       | 5.23   | 20        |      |
| Aldrin                     | 35.4   | µg/kg | 10.3 | 33.175       | <6.50             | 107   | 57-141       | 2.40   | 20        |      |
| alpha-BHC                  | 34.7   | µg/kg | 10.3 | 33.175       | <6.58             | 105   | 58-144       | 2.16   | 20        |      |
| beta-BHC                   | 33.4   | µg/kg | 10.3 | 33.175       | <6.57             | 101   | 55-147       | 5.39   | 20        |      |
| cis-Chlordane              | 35.9   | µg/kg | 10.3 | 33.175       | <6.68             | 108   | 58-142       | 2.01   | 20        |      |
| delta-BHC                  | 29.4   | µg/kg | 10.3 | 33.175       | <6.55             | 88.6  | 59-142       | 1.44   | 20        |      |
| Dieldrin                   | 36.1   | µg/kg | 10.3 | 33.175       | <6.99             | 109   | 59-142       | 2.31   | 20        |      |
| Endosulfan I               | 34.3   | µg/kg | 10.3 | 33.175       | <6.72             | 103   | 57-145       | 3.83   | 20        |      |
| Endosulfan II              | 35.6   | µg/kg | 10.3 | 33.175       | <6.62             | 107   | 58-138       | 2.07   | 20        |      |
| Endosulfan sulfate         | 35.3   | µg/kg | 10.3 | 33.175       | <6.15             | 107   | 54-135       | 0.867  | 20        |      |
| Endrin                     | 39.7   | µg/kg | 10.3 | 33.175       | <8.09             | 120   | 45-150       | 4.80   | 20        |      |
| Endrin aldehyde            | 39.1   | µg/kg | 10.3 | 33.175       | <6.34             | 118   | 41-147       | 3.45   | 20        |      |
| Endrin ketone              | 33.6   | µg/kg | 10.3 | 33.175       | <6.08             | 101   | 54-146       | 1.64   | 20        |      |
| gamma-BHC (Lindane)        | 35.1   | µg/kg | 10.3 | 33.175       | <6.56             | 106   | 58-145       | 2.41   | 20        |      |
| Heptachlor                 | 36.5   | µg/kg | 10.3 | 33.175       | <6.45             | 110   | 51-145       | 4.97   | 20        |      |
| Heptachlor epoxide         | 35.4   | µg/kg | 10.3 | 33.175       | <6.62             | 107   | 59-143       | 3.59   | 20        |      |
| Methoxychlor               | 38.7   | µg/kg | 10.3 | 33.175       | <6.69             | 117   | 43-144       | 2.64   | 20        |      |
| trans-Chlordane            | 35.1   | µg/kg | 10.3 | 33.175       | <6.64             | 106   | 56-145       | 4.93   | 20        |      |
| Surr: Decachlorobiphenyl   | 32.2   | µg/kg |      | 33.175       |                   | 97.2  | 53-151       | 1.80   | 30        |      |
| Surr: Tetrachloro-m-xylene | 34.1   | µg/kg |      | 33.175       |                   | 103   | 67-127       | 0.0224 | 30        |      |

**The following samples were analyzed in this batch:** HN2601572-001, HN2601572-002, HN2601572-003



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440516

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862270

### Polychlorinated Biphenyls (PCBs) by GC/ECD

| MB | CLIENT ID: Method Blank | Lab ID: QC-2440516-001 |
|----|-------------------------|------------------------|
|----|-------------------------|------------------------|

**Method:** EPA 8082A **Dilution:** 1 **Analysis Date:** 02/04/26 16:53  
**Prep Date:** 02/04/26 13:26

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Aroclor 1016               | <22.9  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1221               | <22.9  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1232               | <22.9  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1242               | <22.9  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1248               | <22.9  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1254               | <18.6  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1260               | <18.6  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1262               | <18.6  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Aroclor 1268               | <18.6  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Total PCB                  | <18.6  | µg/kg | 66.7 |              |                   |       |              |     |           | U    |
| Surr: Decachlorobiphenyl   | 36.1   | µg/kg |      | 33.3         |                   | 108   | 54-146       |     |           |      |
| Surr: Tetrachloro-m-xylene | 31.4   | µg/kg |      | 33.3         |                   | 94.3  | 58-140       |     |           |      |

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2440516-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8082A **Dilution:** 1 **Analysis Date:** 02/04/26 17:05  
**Prep Date:** 02/04/26 13:26

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Aroclor 1016               | 728    | µg/kg | 66.7 | 833          |                   | 87.4  | 71-135       |     |           |      |
| Aroclor 1260               | 694    | µg/kg | 66.7 | 833          |                   | 83.4  | 67-135       |     |           |      |
| Surr: Decachlorobiphenyl   | 36.1   | µg/kg |      | 33.3         |                   | 108   | 54-146       |     |           |      |
| Surr: Tetrachloro-m-xylene | 28.1   | µg/kg |      | 33.3         |                   | 84.4  | 58-140       |     |           |      |

| MS | CLIENT ID: Batch QC | Lab ID: QC-2440516-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8082A **Dilution:** 1 **Analysis Date:** 02/04/26 17:17  
**Prep Date:** 02/04/26 13:26

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Aroclor 1016               | 770    | µg/kg | 67.7 | 817.74       | <22.4             | 94.2  | 71-135       |     |           |      |
| Aroclor 1260               | 723    | µg/kg | 67.7 | 817.74       | <18.3             | 88.4  | 67-135       |     |           |      |
| Surr: Decachlorobiphenyl   | 37.2   | µg/kg |      | 32.69        |                   | 114   | 54-146       |     |           |      |
| Surr: Tetrachloro-m-xylene | 28.6   | µg/kg |      | 32.69        |                   | 87.4  | 58-140       |     |           |      |

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2440516-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8082A **Dilution:** 1 **Analysis Date:** 02/04/26 17:29  
**Prep Date:** 02/04/26 13:26

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD  | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|------|-----------|------|
| Aroclor 1016               | 735    | µg/kg | 68.0 | 820.96       | <22.9             | 89.5  | 71-135       | 4.75 | 20        |      |
| Aroclor 1260               | 701    | µg/kg | 68.0 | 820.96       | <18.6             | 85.4  | 67-135       | 3.11 | 20        |      |
| Surr: Decachlorobiphenyl   | 36.0   | µg/kg |      | 32.819       |                   | 110   | 54-146       | 3.24 | 30        |      |
| Surr: Tetrachloro-m-xylene | 27.1   | µg/kg |      | 32.819       |                   | 82.6  | 58-140       | 5.26 | 30        |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2440516

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862270

|                                                                                                       |
|-------------------------------------------------------------------------------------------------------|
| <b>The following samples were analyzed in this batch:</b> HN2601572-001, HN2601572-002, HN2601572-003 |
|-------------------------------------------------------------------------------------------------------|



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

## Semivolatile Organic Compounds by GC-MS

| MB | CLIENT ID: Method Blank | Lab ID: QC-2442280-001 |
|----|-------------------------|------------------------|
|----|-------------------------|------------------------|

**Method:** EPA 8270E**Dilution:** 1**Analysis Date:** 02/07/26 13:23**Prep Date:** 02/05/26 09:10

| Analyte                                                        | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,1'-Biphenyl (BZ-0)                                           | <5.41  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 1,2,4,5-Tetrachlorobenzene                                     | <7.69  | µg/kg | 333  |              |                   |       |              |     |           | U    |
| 1,4-Dioxane (1,4- Diethyleneoxide)                             | <23.9  | µg/kg | 167  |              |                   |       |              |     |           | U    |
| 1-Methylnaphthalene                                            | <4.80  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | <7.81  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2,3,4,6-Tetrachlorophenol                                      | <24.4  | µg/kg | 67.0 |              |                   |       |              |     |           | U    |
| 2,4,5-Trichlorophenol                                          | <19.8  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2,4,6-Trichlorophenol                                          | <8.87  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2,4-Dichlorophenol                                             | <17.9  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2,4-Dimethylphenol                                             | <17.1  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2,4-Dinitrophenol                                              | <244   | µg/kg | 333  |              |                   |       |              |     |           | U    |
| 2,4-Dinitrotoluene (2,4-DNT)                                   | <21.6  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2,6-Dinitrotoluene (2,6-DNT)                                   | <8.51  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2-Chloronaphthalene                                            | <4.66  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| 2-Chlorophenol                                                 | <21.8  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)        | <27.8  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2-Methylnaphthalene                                            | <3.39  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| 2-Methylphenol (o-Cresol)                                      | <9.01  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2-Nitroaniline                                                 | <18.5  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 2-Nitrophenol                                                  | <9.50  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 3&4-Methylphenol                                               | <18.2  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 3,3'-Dichlorobenzidine                                         | <15.6  | µg/kg | 167  |              |                   |       |              |     |           | U    |
| 3-Nitroaniline                                                 | <19.4  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 4-Bromophenyl phenyl ether (BDE-3)                             | <18.3  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 4-Chloro-3-methylphenol                                        | <9.50  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 4-Chloroaniline                                                | <16.9  | µg/kg | 67.0 |              |                   |       |              |     |           | U    |
| 4-Chlorophenyl phenylether                                     | <9.21  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| 4-Nitroaniline                                                 | <51.7  | µg/kg | 167  |              |                   |       |              |     |           | U    |
| 4-Nitrophenol                                                  | <78.1  | µg/kg | 333  |              |                   |       |              |     |           | U    |
| Acenaphthene                                                   | <4.82  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Acenaphthylene                                                 | <5.78  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Acetophenone                                                   | <5.22  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Anthracene                                                     | <4.70  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Atrazine                                                       | <19.5  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Benzaldehyde                                                   | <51.2  | µg/kg | 67.0 |              |                   |       |              |     |           | U    |
| Benzo(a)anthracene                                             | <5.76  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Benzo(a)pyrene                                                 | <4.09  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Benzo(b)fluoranthene                                           | <4.97  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Benzo(g,h,i)perylene                                           | <5.11  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Benzo(k)fluoranthene                                           | <5.05  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| bis(2-Chloroethoxy)methane                                     | <21.1  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| bis(2-Chloroethyl) ether                                       | <9.44  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| MB | CLIENT ID: Method Blank | Lab ID: QC-2442280-001 |
|----|-------------------------|------------------------|
|----|-------------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 13:23

**Prep Date:** 02/05/26 09:10

| Analyte                                                       | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Butyl benzyl phthalate                                        | <41.7  | µg/kg | 67.0 |              |                   |       |              |     |           | U    |
| Caprolactam                                                   | <30.1  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Carbazole                                                     | <9.82  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Chrysene                                                      | <5.39  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP) | <27.6  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Dibenz(a,h) anthracene                                        | <3.60  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Dibenzofuran                                                  | <4.90  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Diethyl phthalate                                             | <11.3  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Dimethyl phthalate                                            | <6.50  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Fluoranthene                                                  | <3.20  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Fluorene                                                      | <4.84  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Hexachlorobenzene                                             | <9.70  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Hexachlorobutadiene                                           | <7.85  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Hexachlorocyclopentadiene                                     | <31.6  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Hexachloroethane                                              | <13.8  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Indeno(1,2,3-cd) pyrene                                       | <4.64  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Isophorone                                                    | <6.51  | µg/kg | 167  |              |                   |       |              |     |           | U    |
| Methylphenol, Total                                           | <9.01  | µg/kg | 67.0 |              |                   |       |              |     |           | U    |
| Naphthalene                                                   | <4.26  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Nitrobenzene                                                  | <11.2  | µg/kg | 167  |              |                   |       |              |     |           | U    |
| n-Nitrosodi-n-propylamine                                     | <5.50  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| N-Nitrosodiphenylamine                                        | <19.3  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Pentachlorophenol                                             | <26.5  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Phenanthrene                                                  | <3.10  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Phenol                                                        | <16.7  | µg/kg | 33.0 |              |                   |       |              |     |           | U    |
| Pyrene                                                        | <3.33  | µg/kg | 6.67 |              |                   |       |              |     |           | U    |
| Pyridine                                                      | <65.6  | µg/kg | 167  |              |                   |       |              |     |           | U    |
| Surr: 2,4,6-Tribromophenol                                    | 2620   | µg/kg |      | 3333         |                   | 78.6  | 48-94        |     |           |      |
| Surr: 2-Fluorobiphenyl                                        | 2870   | µg/kg |      | 3333         |                   | 86.1  | 50-103       |     |           |      |
| Surr: 2-Fluorophenol                                          | 2880   | µg/kg |      | 3333         |                   | 86.4  | 43-105       |     |           |      |
| Surr: 4-Terphenyl-d14                                         | 3080   | µg/kg |      | 3333         |                   | 92.3  | 55-111       |     |           |      |
| Surr: Nitrobenzene-d5                                         | 3110   | µg/kg |      | 3333         |                   | 93.3  | 47-100       |     |           |      |
| Surr: Phenol-d6                                               | 2930   | µg/kg |      | 3333         |                   | 87.8  | 49-110       |     |           |      |

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2442280-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 13:50

**Prep Date:** 02/05/26 09:10

| Analyte                                                        | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,1'-Biphenyl (BZ-0)                                           | 1140   | µg/kg | 33.0 | 1333         |                   | 85.7  | 57-101       |     |           |      |
| 1,2,4,5-Tetrachlorobenzene                                     | 1180   | µg/kg | 33.0 | 1333         |                   | 88.6  | 54-98        |     |           |      |
| 1-Methylnaphthalene                                            | 1160   | µg/kg | 6.67 | 1333         |                   | 86.8  | 56-100       |     |           |      |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | 1110   | µg/kg | 33.0 | 1333         |                   | 83.2  | 50-101       |     |           |      |
| 2,3,4,6-Tetrachlorophenol                                      | 977    | µg/kg | 67.0 | 1333         |                   | 73.3  | 48-103       |     |           |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2442280-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 13:50

**Prep Date:** 02/05/26 09:10

| Analyte                                                       | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 2,4,5-Trichlorophenol                                         | 1070   | µg/kg | 33.0 | 1333         |                   | 80.0  | 54-98        |     |           |      |
| 2,4,6-Trichlorophenol                                         | 1130   | µg/kg | 33.0 | 1333         |                   | 84.9  | 56-97        |     |           |      |
| 2,4-Dichlorophenol                                            | 1100   | µg/kg | 33.0 | 1333         |                   | 82.9  | 54-99        |     |           |      |
| 2,4-Dimethylphenol                                            | 867    | µg/kg | 33.0 | 1333         |                   | 65.1  | 47-102       |     |           |      |
| 2,4-Dinitrophenol                                             | 729    | µg/kg | 333  | 1333         |                   | 54.7  | 10-100       |     |           |      |
| 2,4-Dinitrotoluene (2,4-DNT)                                  | 1070   | µg/kg | 33.0 | 1333         |                   | 80.5  | 62-105       |     |           |      |
| 2,6-Dinitrotoluene (2,6-DNT)                                  | 1140   | µg/kg | 33.0 | 1333         |                   | 85.8  | 62-103       |     |           |      |
| 2-Chloronaphthalene                                           | 1090   | µg/kg | 6.67 | 1333         |                   | 81.8  | 57-101       |     |           |      |
| 2-Chlorophenol                                                | 1110   | µg/kg | 33.0 | 1333         |                   | 83.0  | 52-102       |     |           |      |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)       | 991    | µg/kg | 33.0 | 1333         |                   | 74.4  | 42-104       |     |           |      |
| 2-Methylnaphthalene                                           | 1160   | µg/kg | 6.67 | 1333         |                   | 86.8  | 55-102       |     |           |      |
| 2-Methylphenol (o-Cresol)                                     | 1010   | µg/kg | 33.0 | 1333         |                   | 76.1  | 54-103       |     |           |      |
| 2-Nitroaniline                                                | 1100   | µg/kg | 33.0 | 1333         |                   | 82.9  | 57-103       |     |           |      |
| 2-Nitrophenol                                                 | 1160   | µg/kg | 33.0 | 1333         |                   | 87.2  | 52-102       |     |           |      |
| 3&4-Methylphenol                                              | 1010   | µg/kg | 33.0 | 1333         |                   | 75.6  | 56-103       |     |           |      |
| 3,3'-Dichlorobenzidine                                        | 895    | µg/kg | 167  | 1333         |                   | 67.1  | 41-91        |     |           |      |
| 3-Nitroaniline                                                | 742    | µg/kg | 33.0 | 1333         |                   | 55.7  | 35-107       |     |           |      |
| 4-Bromophenyl phenyl ether (BDE-3)                            | 1170   | µg/kg | 33.0 | 1333         |                   | 87.8  | 63-104       |     |           |      |
| 4-Chloro-3-methylphenol                                       | 1090   | µg/kg | 33.0 | 1333         |                   | 81.4  | 57-103       |     |           |      |
| 4-Chloroaniline                                               | 1110   | µg/kg | 67.0 | 1333         |                   | 83.3  | 32-99        |     |           |      |
| 4-Chlorophenyl phenylether                                    | 1170   | µg/kg | 33.0 | 1333         |                   | 87.6  | 62-100       |     |           |      |
| 4-Nitroaniline                                                | 481    | µg/kg | 167  | 1333         |                   | 36.1  | 19-124       |     |           |      |
| 4-Nitrophenol                                                 | 955    | µg/kg | 333  | 1333         |                   | 71.7  | 44-106       |     |           |      |
| Acenaphthene                                                  | 1160   | µg/kg | 6.67 | 1333         |                   | 86.7  | 60-101       |     |           |      |
| Acenaphthylene                                                | 1180   | µg/kg | 6.67 | 1333         |                   | 88.5  | 59-101       |     |           |      |
| Acetophenone                                                  | 1060   | µg/kg | 33.0 | 1333         |                   | 79.7  | 54-102       |     |           |      |
| Anthracene                                                    | 1150   | µg/kg | 6.67 | 1333         |                   | 86.5  | 63-96        |     |           |      |
| Atrazine                                                      | 1110   | µg/kg | 33.0 | 1333         |                   | 83.6  | 60-110       |     |           |      |
| Benzaldehyde                                                  | 259    | µg/kg | 67.0 | 1333         |                   | 19.5  | 10-143       |     |           |      |
| Benzo(a)anthracene                                            | 1160   | µg/kg | 6.67 | 1333         |                   | 86.9  | 66-102       |     |           |      |
| Benzo(a)pyrene                                                | 1190   | µg/kg | 6.67 | 1333         |                   | 89.2  | 66-105       |     |           |      |
| Benzo(b)fluoranthene                                          | 1100   | µg/kg | 6.67 | 1333         |                   | 82.5  | 67-105       |     |           |      |
| Benzo(g,h,i)perylene                                          | 1410   | µg/kg | 6.67 | 1333         |                   | 105   | 59-110       |     |           |      |
| Benzo(k)fluoranthene                                          | 1170   | µg/kg | 6.67 | 1333         |                   | 88.0  | 68-106       |     |           |      |
| bis(2-Chloroethoxy)methane                                    | 1110   | µg/kg | 33.0 | 1333         |                   | 83.2  | 54-102       |     |           |      |
| bis(2-Chloroethyl) ether                                      | 1070   | µg/kg | 33.0 | 1333         |                   | 80.1  | 51-101       |     |           |      |
| Butyl benzyl phthalate                                        | 1120   | µg/kg | 67.0 | 1333         |                   | 84.4  | 59-107       |     |           |      |
| Caprolactam                                                   | 861    | µg/kg | 33.0 | 1333         |                   | 64.6  | 49-103       |     |           |      |
| Carbazole                                                     | 1100   | µg/kg | 33.0 | 1333         |                   | 82.9  | 63-103       |     |           |      |
| Chrysene                                                      | 1180   | µg/kg | 6.67 | 1333         |                   | 88.8  | 66-105       |     |           |      |
| Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP) | 1170   | µg/kg | 33.0 | 1333         |                   | 87.6  | 63-101       |     |           |      |
| Dibenz(a,h) anthracene                                        | 1340   | µg/kg | 33.0 | 1333         |                   | 101   | 61-109       |     |           |      |
| Dibenzofuran                                                  | 1160   | µg/kg | 33.0 | 1333         |                   | 86.7  | 61-101       |     |           |      |
| Diethyl phthalate                                             | 1120   | µg/kg | 33.0 | 1333         |                   | 84.1  | 63-105       |     |           |      |



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2442280-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 13:50

**Prep Date:** 02/05/26 09:10

| Analyte                    | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Dimethyl phthalate         | 1140   | µg/kg | 33.0 | 1333         |                   | 85.8  | 64-104       |     |           |      |
| Fluoranthene               | 1080   | µg/kg | 6.67 | 1333         |                   | 81.4  | 66-105       |     |           |      |
| Fluorene                   | 1160   | µg/kg | 6.67 | 1333         |                   | 87.2  | 62-101       |     |           |      |
| Hexachlorobenzene          | 1140   | µg/kg | 33.0 | 1333         |                   | 85.7  | 61-104       |     |           |      |
| Hexachlorobutadiene        | 1230   | µg/kg | 33.0 | 1333         |                   | 92.6  | 52-99        |     |           |      |
| Hexachlorocyclopentadiene  | 1210   | µg/kg | 33.0 | 1333         |                   | 90.5  | 39-106       |     |           |      |
| Hexachloroethane           | 1100   | µg/kg | 33.0 | 1333         |                   | 82.8  | 59-99        |     |           |      |
| Indeno(1,2,3-cd) pyrene    | 1380   | µg/kg | 6.67 | 1333         |                   | 104   | 57-114       |     |           |      |
| Isophorone                 | 1160   | µg/kg | 167  | 1333         |                   | 87.0  | 55-101       |     |           |      |
| Methylphenol, Total        | 2020   | µg/kg | 67.0 | 2667         |                   | 75.8  | 54-103       |     |           |      |
| Naphthalene                | 1210   | µg/kg | 6.67 | 1333         |                   | 90.7  | 54-99        |     |           |      |
| Nitrobenzene               | 1210   | µg/kg | 167  | 1333         |                   | 90.6  | 53-100       |     |           |      |
| n-Nitrosodi-n-propylamine  | 1020   | µg/kg | 33.0 | 1333         |                   | 76.6  | 52-104       |     |           |      |
| N-Nitrosodiphenylamine     | 1160   | µg/kg | 33.0 | 1333         |                   | 87.1  | 61-104       |     |           |      |
| Pentachlorophenol          | 931    | µg/kg | 33.0 | 1333         |                   | 69.9  | 35-100       |     |           |      |
| Phenanthrene               | 1180   | µg/kg | 6.67 | 1333         |                   | 88.8  | 64-101       |     |           |      |
| Phenol                     | 1070   | µg/kg | 33.0 | 1333         |                   | 80.1  | 51-107       |     |           |      |
| Pyrene                     | 1160   | µg/kg | 6.67 | 1333         |                   | 87.2  | 62-114       |     |           |      |
| Pyridine                   | 820    | µg/kg | 167  | 1333         |                   | 61.5  | 40-84        |     |           |      |
| Surr: 2,4,6-Tribromophenol | 2800   | µg/kg |      | 3333         |                   | 84.1  | 48-94        |     |           |      |
| Surr: 2-Fluorobiphenyl     | 2920   | µg/kg |      | 3333         |                   | 87.7  | 50-103       |     |           |      |
| Surr: 2-Fluorophenol       | 2850   | µg/kg |      | 3333         |                   | 85.5  | 43-105       |     |           |      |
| Surr: 4-Terphenyl-d14      | 2820   | µg/kg |      | 3333         |                   | 84.6  | 55-111       |     |           |      |
| Surr: Nitrobenzene-d5      | 3140   | µg/kg |      | 3333         |                   | 94.3  | 47-100       |     |           |      |
| Surr: Phenol-d6            | 2840   | µg/kg |      | 3333         |                   | 85.3  | 49-110       |     |           |      |

| MS | CLIENT ID: Batch QC | Lab ID: QC-2442280-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 14:17

**Prep Date:** 02/05/26 09:10

| Analyte                                                        | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|----------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,1'-Biphenyl (BZ-0)                                           | 2860   | µg/kg | 80.9 | 3158.8       | <12.8             | 90.7  | 57-101       |     |           |      |
| 1,2,4,5-Tetrachlorobenzene                                     | 2840   | µg/kg | 817  | 3158.8       | <18.2             | 90.0  | 54-98        |     |           |      |
| 1-Methylnaphthalene                                            | 2820   | µg/kg | 16.3 | 3158.8       | <11.4             | 89.1  | 56-100       |     |           |      |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | 2720   | µg/kg | 80.9 | 3158.8       | <18.5             | 86.1  | 50-101       |     |           |      |
| 2,3,4,6-Tetrachlorophenol                                      | 2700   | µg/kg | 163  | 3158.8       | <57.8             | 85.5  | 48-103       |     |           |      |
| 2,4,5-Trichlorophenol                                          | 2700   | µg/kg | 80.9 | 3158.8       | <46.8             | 85.5  | 54-98        |     |           |      |
| 2,4,6-Trichlorophenol                                          | 2780   | µg/kg | 80.9 | 3158.8       | <21.0             | 88.0  | 56-97        |     |           |      |
| 2,4-Dichlorophenol                                             | 2740   | µg/kg | 80.9 | 3158.8       | <42.5             | 86.8  | 54-99        |     |           |      |
| 2,4-Dimethylphenol                                             | 910    | µg/kg | 80.9 | 3158.8       | <40.6             | 28.8  | 47-102       |     |           | S    |
| 2,4-Dinitrophenol                                              | 1540   | µg/kg | 817  | 3158.8       | <57.7             | 48.8  | 10-100       |     |           |      |
| 2,4-Dinitrotoluene (2,4-DNT)                                   | 2730   | µg/kg | 80.9 | 3158.8       | <51.3             | 86.5  | 62-105       |     |           |      |
| 2,6-Dinitrotoluene (2,6-DNT)                                   | 2840   | µg/kg | 80.9 | 3158.8       | <20.2             | 89.9  | 62-103       |     |           |      |
| 2-Chloronaphthalene                                            | 2570   | µg/kg | 16.3 | 3158.8       | <11.0             | 81.5  | 57-101       |     |           |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| MS | CLIENT ID: Batch QC | Lab ID: QC-2442280-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 14:17

**Prep Date:** 02/05/26 09:10

| Analyte                                                       | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 2-Chlorophenol                                                | 2570   | µg/kg | 80.9 | 3158.8       | <51.7             | 81.4  | 52-102       |     |           |      |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)       | 2480   | µg/kg | 80.9 | 3158.8       | <66.0             | 78.4  | 42-104       |     |           |      |
| 2-Methylnaphthalene                                           | 2790   | µg/kg | 16.3 | 3158.8       | <8.03             | 88.3  | 55-102       |     |           |      |
| 2-Methylphenol (o-Cresol)                                     | 2280   | µg/kg | 80.9 | 3158.8       | <21.4             | 72.3  | 54-103       |     |           |      |
| 2-Nitroaniline                                                | 2770   | µg/kg | 80.9 | 3158.8       | <43.9             | 87.6  | 57-103       |     |           |      |
| 2-Nitrophenol                                                 | 2740   | µg/kg | 80.9 | 3158.8       | <22.5             | 86.7  | 52-102       |     |           |      |
| 3&4-Methylphenol                                              | 2340   | µg/kg | 80.9 | 3158.8       | <43.1             | 74.1  | 56-103       |     |           |      |
| 3,3'-Dichlorobenzidine                                        | 1560   | µg/kg | 409  | 3158.8       | <36.9             | 49.4  | 41-91        |     |           |      |
| 3-Nitroaniline                                                | 1430   | µg/kg | 80.9 | 3158.8       | <45.9             | 45.4  | 35-107       |     |           |      |
| 4-Bromophenyl phenyl ether (BDE-3)                            | 2780   | µg/kg | 80.9 | 3158.8       | <43.3             | 87.9  | 63-104       |     |           |      |
| 4-Chloro-3-methylphenol                                       | 2680   | µg/kg | 80.9 | 3158.8       | <22.5             | 84.8  | 57-103       |     |           |      |
| 4-Chloroaniline                                               | 2640   | µg/kg | 163  | 3158.8       | <40.1             | 83.5  | 32-99        |     |           |      |
| 4-Chlorophenyl phenylether                                    | 2870   | µg/kg | 80.9 | 3158.8       | <21.8             | 91.0  | 62-100       |     |           |      |
| 4-Nitroaniline                                                | 657    | µg/kg | 409  | 3158.8       | <123              | 20.8  | 19-124       |     |           |      |
| 4-Nitrophenol                                                 | 2580   | µg/kg | 817  | 3158.8       | <185              | 81.8  | 44-106       |     |           |      |
| Acenaphthene                                                  | 2740   | µg/kg | 16.3 | 3158.8       | <11.4             | 86.8  | 60-101       |     |           |      |
| Acenaphthylene                                                | 2790   | µg/kg | 16.3 | 3158.8       | <13.7             | 88.5  | 59-101       |     |           |      |
| Acetophenone                                                  | 2660   | µg/kg | 80.9 | 3158.8       | <12.4             | 84.1  | 54-102       |     |           |      |
| Anthracene                                                    | 2730   | µg/kg | 16.3 | 3158.8       | <11.1             | 86.5  | 63-96        |     |           |      |
| Atrazine                                                      | 2950   | µg/kg | 80.9 | 3158.8       | <46.3             | 93.4  | 60-110       |     |           |      |
| Benzaldehyde                                                  | 531    | µg/kg | 163  | 3158.8       | <121              | 16.8  | 10-143       |     |           |      |
| Benzo(a)anthracene                                            | 2800   | µg/kg | 16.3 | 3158.8       | <13.6             | 88.7  | 66-102       |     |           |      |
| Benzo(a)pyrene                                                | 2820   | µg/kg | 16.3 | 3158.8       | <9.69             | 89.2  | 66-105       |     |           |      |
| Benzo(b)fluoranthene                                          | 2660   | µg/kg | 16.3 | 3158.8       | <11.8             | 84.1  | 67-105       |     |           |      |
| Benzo(g,h,i)perylene                                          | 3100   | µg/kg | 16.3 | 3158.8       | <12.1             | 98.1  | 59-110       |     |           |      |
| Benzo(k)fluoranthene                                          | 2820   | µg/kg | 16.3 | 3158.8       | <12.0             | 89.3  | 68-106       |     |           |      |
| bis(2-Chloroethoxy)methane                                    | 2720   | µg/kg | 80.9 | 3158.8       | <50.0             | 86.1  | 54-102       |     |           |      |
| bis(2-Chloroethyl) ether                                      | 2640   | µg/kg | 80.9 | 3158.8       | <22.4             | 83.4  | 51-101       |     |           |      |
| Butyl benzyl phthalate                                        | 3060   | µg/kg | 163  | 3158.8       | <98.9             | 96.8  | 59-107       |     |           |      |
| Caprolactam                                                   | 2380   | µg/kg | 80.9 | 3158.8       | <71.3             | 75.3  | 49-103       |     |           |      |
| Carbazole                                                     | 2610   | µg/kg | 80.9 | 3158.8       | <23.3             | 82.6  | 63-103       |     |           |      |
| Chrysene                                                      | 2830   | µg/kg | 16.3 | 3158.8       | <13.5             | 89.6  | 66-105       |     |           |      |
| Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP) | 2960   | µg/kg | 80.9 | 3158.8       | <65.3             | 93.7  | 63-101       |     |           |      |
| Dibenz(a,h) anthracene                                        | 2970   | µg/kg | 80.9 | 3158.8       | <8.53             | 94.0  | 61-109       |     |           |      |
| Dibenzofuran                                                  | 2780   | µg/kg | 80.9 | 3158.8       | <11.6             | 87.9  | 61-101       |     |           |      |
| Diethyl phthalate                                             | 2800   | µg/kg | 80.9 | 3158.8       | <26.9             | 88.6  | 63-105       |     |           |      |
| Dimethyl phthalate                                            | 2790   | µg/kg | 80.9 | 3158.8       | <15.4             | 88.5  | 64-104       |     |           |      |
| Fluoranthene                                                  | 2610   | µg/kg | 16.3 | 3158.8       | <7.58             | 82.6  | 66-105       |     |           |      |
| Fluorene                                                      | 2890   | µg/kg | 16.3 | 3158.8       | <11.5             | 91.5  | 62-101       |     |           |      |
| Hexachlorobenzene                                             | 2730   | µg/kg | 80.9 | 3158.8       | <23.0             | 86.5  | 61-104       |     |           |      |
| Hexachlorobutadiene                                           | 2850   | µg/kg | 80.9 | 3158.8       | <18.6             | 90.3  | 52-99        |     |           |      |
| Hexachlorocyclopentadiene                                     | 2740   | µg/kg | 80.9 | 3158.8       | <77.3             | 86.6  | 39-106       |     |           |      |
| Hexachloroethane                                              | 2570   | µg/kg | 80.9 | 3158.8       | <32.7             | 81.2  | 59-99        |     |           |      |
| Indeno(1,2,3-cd) pyrene                                       | 3060   | µg/kg | 16.3 | 3158.8       | <11.0             | 96.8  | 57-114       |     |           |      |



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| MS                         |        | CLIENT ID: Batch QC |      |              |                   | Lab ID: QC-2442280-005        |              |     |           |      |
|----------------------------|--------|---------------------|------|--------------|-------------------|-------------------------------|--------------|-----|-----------|------|
| Method: EPA 8270E          |        | Dilution: 1         |      |              |                   | Analysis Date: 02/07/26 14:17 |              |     |           |      |
|                            |        |                     |      |              |                   | Prep Date: 02/05/26 09:10     |              |     |           |      |
| Analyte                    | Result | Units               | MRL  | Spike Amount | Spike Ref. Amount | % Rec                         | % Rec Limits | RPD | RPD Limit | Qual |
| Isophorone                 | 2820   | µg/kg               | 409  | 3158.8       | <15.4             | 89.2                          | 55-101       |     |           |      |
| Methylphenol, Total        | 4620   | µg/kg               | 80.9 | 6319.9       | <21.4             | 73.1                          | 54-103       |     |           |      |
| Naphthalene                | 2870   | µg/kg               | 16.3 | 3158.8       | <10.1             | 91.0                          | 54-99        |     |           |      |
| Nitrobenzene               | 2840   | µg/kg               | 409  | 3158.8       | <26.5             | 89.8                          | 53-100       |     |           |      |
| n-Nitrosodi-n-propylamine  | 2640   | µg/kg               | 80.9 | 3158.8       | <13.0             | 83.5                          | 52-104       |     |           |      |
| N-Nitrosodiphenylamine     | 2790   | µg/kg               | 80.9 | 3158.8       | <45.7             | 88.3                          | 61-104       |     |           |      |
| Pentachlorophenol          | 2480   | µg/kg               | 80.9 | 3158.8       | <62.7             | 78.4                          | 35-100       |     |           |      |
| Phenanthrene               | 2800   | µg/kg               | 16.3 | 3158.8       | <7.35             | 88.6                          | 64-101       |     |           |      |
| Phenol                     | 2580   | µg/kg               | 80.9 | 3158.8       | <39.7             | 81.6                          | 51-107       |     |           |      |
| Pyrene                     | 3070   | µg/kg               | 16.3 | 3158.8       | <7.88             | 97.3                          | 52-114       |     |           |      |
| Pyridine                   | 2520   | µg/kg               | 409  | 3158.8       | <155              | 79.6                          | 40-84        |     |           |      |
| Surr: 2,4,6-Tribromophenol | 6760   | µg/kg               |      | 7898.1       |                   | 85.5                          | 48-94        |     |           |      |
| Surr: 2-Fluorobiphenyl     | 6860   | µg/kg               |      | 7898.1       |                   | 86.9                          | 50-103       |     |           |      |
| Surr: 2-Fluorophenol       | 6470   | µg/kg               |      | 7898.1       |                   | 81.9                          | 43-105       |     |           |      |
| Surr: 4-Terphenyl-d14      | 7460   | µg/kg               |      | 7898.1       |                   | 94.4                          | 55-111       |     |           |      |
| Surr: Nitrobenzene-d5      | 7340   | µg/kg               |      | 7898.1       |                   | 92.9                          | 47-100       |     |           |      |
| Surr: Phenol-d6            | 6770   | µg/kg               |      | 7898.1       |                   | 85.7                          | 49-110       |     |           |      |

| MSD                                                            |        | CLIENT ID: Batch QC |      |              |                   | Lab ID: QC-2442280-006        |              |       |           |      |
|----------------------------------------------------------------|--------|---------------------|------|--------------|-------------------|-------------------------------|--------------|-------|-----------|------|
| Method: EPA 8270E                                              |        | Dilution: 1         |      |              |                   | Analysis Date: 02/07/26 14:44 |              |       |           |      |
|                                                                |        |                     |      |              |                   | Prep Date: 02/05/26 09:10     |              |       |           |      |
| Analyte                                                        | Result | Units               | MRL  | Spike Amount | Spike Ref. Amount | % Rec                         | % Rec Limits | RPD   | RPD Limit | Qual |
| 1,1'-Biphenyl (BZ-0)                                           | 2830   | µg/kg               | 81.8 | 3194.1       | <13.0             | 88.5                          | 57-101       | 1.29  | 30        |      |
| 1,2,4,5-Tetrachlorobenzene                                     | 2850   | µg/kg               | 826  | 3194.1       | <18.4             | 89.4                          | 54-98        | 0.443 | 30        |      |
| 1-Methylnaphthalene                                            | 2820   | µg/kg               | 16.5 | 3194.1       | <11.5             | 88.3                          | 56-100       | 0.153 | 30        |      |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether | 2730   | µg/kg               | 81.8 | 3194.1       | <18.7             | 85.3                          | 50-101       | 0.179 | 30        |      |
| 2,3,4,6-Tetrachlorophenol                                      | 2620   | µg/kg               | 165  | 3194.1       | <58.5             | 81.9                          | 48-103       | 3.19  | 30        |      |
| 2,4,5-Trichlorophenol                                          | 2740   | µg/kg               | 81.8 | 3194.1       | <47.3             | 85.8                          | 54-98        | 1.46  | 30        |      |
| 2,4,6-Trichlorophenol                                          | 2760   | µg/kg               | 81.8 | 3194.1       | <21.3             | 86.4                          | 56-97        | 0.723 | 30        |      |
| 2,4-Dichlorophenol                                             | 2750   | µg/kg               | 81.8 | 3194.1       | <43.0             | 86.0                          | 54-99        | 0.128 | 30        |      |
| 2,4-Dimethylphenol                                             | 1430   | µg/kg               | 81.8 | 3194.1       | <41.1             | 44.7                          | 47-102       | 44.3  | 30        | RS   |
| 2,4-Dinitrophenol                                              | 1630   | µg/kg               | 826  | 3194.1       | <584              | 51.2                          | 10-100       | 5.81  | 30        |      |
| 2,4-Dinitrotoluene (2,4-DNT)                                   | 2670   | µg/kg               | 81.8 | 3194.1       | <51.9             | 83.5                          | 62-105       | 2.48  | 30        |      |
| 2,6-Dinitrotoluene (2,6-DNT)                                   | 2720   | µg/kg               | 81.8 | 3194.1       | <20.4             | 85.1                          | 62-103       | 4.37  | 30        |      |
| 2-Chloronaphthalene                                            | 2560   | µg/kg               | 16.5 | 3194.1       | <11.2             | 80.1                          | 57-101       | 0.622 | 30        |      |
| 2-Chlorophenol                                                 | 2610   | µg/kg               | 81.8 | 3194.1       | <52.3             | 81.7                          | 52-102       | 1.48  | 30        |      |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)        | 2540   | µg/kg               | 81.8 | 3194.1       | <66.7             | 79.7                          | 42-104       | 2.69  | 30        |      |
| 2-Methylnaphthalene                                            | 2800   | µg/kg               | 16.5 | 3194.1       | <8.12             | 87.6                          | 55-102       | 0.316 | 30        |      |
| 2-Methylphenol (o-Cresol)                                      | 2490   | µg/kg               | 81.8 | 3194.1       | <21.6             | 77.9                          | 54-103       | 8.57  | 30        |      |
| 2-Nitroaniline                                                 | 2690   | µg/kg               | 81.8 | 3194.1       | <44.4             | 84.1                          | 57-103       | 3.02  | 30        |      |
| 2-Nitrophenol                                                  | 2770   | µg/kg               | 81.8 | 3194.1       | <22.8             | 86.7                          | 52-102       | 1.11  | 30        |      |
| 3&4-Methylphenol                                               | 2460   | µg/kg               | 81.8 | 3194.1       | <43.5             | 77.0                          | 56-103       | 4.95  | 30        |      |
| 3,3'-Dichlorobenzidine                                         | 1760   | µg/kg               | 413  | 3194.1       | <37.3             | 55.1                          | 41-91        | 12.1  | 30        |      |



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2442280-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8270E

**Dilution:** 1

**Analysis Date:** 02/07/26 14:44

**Prep Date:** 02/05/26 09:10

| Analyte                                                       | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD   | RPD Limit | Qual |
|---------------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-------|-----------|------|
| 3-Nitroaniline                                                | 1590   | µg/kg | 81.8 | 3194.1       | <46.4             | 49.9  | 35-107       | 10.5  | 30        |      |
| 4-Bromophenyl phenyl ether (BDE-3)                            | 2860   | µg/kg | 81.8 | 3194.1       | <43.8             | 89.4  | 63-104       | 2.80  | 30        |      |
| 4-Chloro-3-methylphenol                                       | 2740   | µg/kg | 81.8 | 3194.1       | <22.8             | 85.9  | 57-103       | 2.40  | 30        |      |
| 4-Chloroaniline                                               | 2630   | µg/kg | 165  | 3194.1       | <40.6             | 82.5  | 32-99        | 0.153 | 30        |      |
| 4-Chlorophenyl phenylether                                    | 2840   | µg/kg | 81.8 | 3194.1       | <22.1             | 88.8  | 62-100       | 1.34  | 30        |      |
| 4-Nitroaniline                                                | 799    | µg/kg | 413  | 3194.1       | <124              | 25.0  | 19-124       | 19.4  | 30        |      |
| 4-Nitrophenol                                                 | 2520   | µg/kg | 826  | 3194.1       | <187              | 78.8  | 44-106       | 2.63  | 30        |      |
| Acenaphthene                                                  | 2730   | µg/kg | 16.5 | 3194.1       | <11.5             | 85.6  | 60-101       | 0.339 | 30        |      |
| Acenaphthylene                                                | 2780   | µg/kg | 16.5 | 3194.1       | <13.8             | 87.2  | 59-101       | 0.369 | 30        |      |
| Acetophenone                                                  | 2630   | µg/kg | 81.8 | 3194.1       | <12.5             | 82.5  | 54-102       | 0.810 | 30        |      |
| Anthracene                                                    | 2760   | µg/kg | 16.5 | 3194.1       | <11.3             | 86.3  | 63-96        | 0.881 | 30        |      |
| Atrazine                                                      | 2850   | µg/kg | 81.8 | 3194.1       | <46.8             | 89.1  | 60-110       | 3.55  | 30        |      |
| Benzaldehyde                                                  | 535    | µg/kg | 165  | 3194.1       | <123              | 16.8  | 10-143       | 0.814 | 30        |      |
| Benzo(a)anthracene                                            | 2790   | µg/kg | 16.5 | 3194.1       | <13.8             | 87.3  | 66-102       | 0.479 | 30        |      |
| Benzo(a)pyrene                                                | 2840   | µg/kg | 16.5 | 3194.1       | <9.80             | 88.9  | 66-105       | 0.775 | 30        |      |
| Benzo(b)fluoranthene                                          | 2590   | µg/kg | 16.5 | 3194.1       | <11.9             | 81.2  | 67-105       | 2.46  | 30        |      |
| Benzo(g,h,i)perylene                                          | 3260   | µg/kg | 16.5 | 3194.1       | <12.2             | 102   | 59-110       | 4.91  | 30        |      |
| Benzo(k)fluoranthene                                          | 2840   | µg/kg | 16.5 | 3194.1       | <12.1             | 88.9  | 68-106       | 0.607 | 30        |      |
| bis(2-Chloroethoxy)methane                                    | 2730   | µg/kg | 81.8 | 3194.1       | <50.6             | 85.3  | 54-102       | 0.179 | 30        |      |
| bis(2-Chloroethyl) ether                                      | 2630   | µg/kg | 81.8 | 3194.1       | <22.6             | 82.4  | 51-101       | 0.155 | 30        |      |
| Butyl benzyl phthalate                                        | 2940   | µg/kg | 165  | 3194.1       | <100.0            | 92.1  | 59-107       | 3.87  | 30        |      |
| Caprolactam                                                   | 2360   | µg/kg | 81.8 | 3194.1       | <72.1             | 73.8  | 49-103       | 0.968 | 30        |      |
| Carbazole                                                     | 2620   | µg/kg | 81.8 | 3194.1       | <23.5             | 82.1  | 63-103       | 0.565 | 30        |      |
| Chrysene                                                      | 2840   | µg/kg | 16.5 | 3194.1       | <13.6             | 88.9  | 66-105       | 0.328 | 30        |      |
| Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP) | 2920   | µg/kg | 81.8 | 3194.1       | <66.1             | 91.4  | 63-101       | 1.37  | 30        |      |
| Dibenz(a,h) anthracene                                        | 3210   | µg/kg | 81.8 | 3194.1       | <8.63             | 101   | 61-109       | 7.84  | 30        |      |
| Dibenzofuran                                                  | 2720   | µg/kg | 81.8 | 3194.1       | <11.7             | 85.3  | 61-101       | 1.95  | 30        |      |
| Diethyl phthalate                                             | 2750   | µg/kg | 81.8 | 3194.1       | <27.2             | 86.0  | 63-105       | 1.92  | 30        |      |
| Dimethyl phthalate                                            | 2740   | µg/kg | 81.8 | 3194.1       | <15.6             | 85.9  | 64-104       | 1.87  | 30        |      |
| Fluoranthene                                                  | 2550   | µg/kg | 16.5 | 3194.1       | <7.67             | 79.9  | 66-105       | 2.27  | 30        |      |
| Fluorene                                                      | 2790   | µg/kg | 16.5 | 3194.1       | <11.6             | 87.2  | 62-101       | 3.65  | 30        |      |
| Hexachlorobenzene                                             | 2800   | µg/kg | 81.8 | 3194.1       | <23.2             | 87.8  | 61-104       | 2.55  | 30        |      |
| Hexachlorobutadiene                                           | 2880   | µg/kg | 81.8 | 3194.1       | <18.8             | 90.0  | 52-99        | 0.779 | 30        |      |
| Hexachlorocyclopentadiene                                     | 2800   | µg/kg | 81.8 | 3194.1       | <78.1             | 87.5  | 39-106       | 2.15  | 30        |      |
| Hexachloroethane                                              | 2610   | µg/kg | 81.8 | 3194.1       | <33.1             | 81.6  | 59-99        | 1.60  | 30        |      |
| Indeno(1,2,3-cd) pyrene                                       | 3230   | µg/kg | 16.5 | 3194.1       | <11.1             | 101   | 57-114       | 5.36  | 30        |      |
| Isophorone                                                    | 2810   | µg/kg | 413  | 3194.1       | <15.6             | 88.0  | 55-101       | 0.186 | 30        |      |
| Methylphenol, Total                                           | 4950   | µg/kg | 81.8 | 6390.6       | <21.6             | 77.4  | 54-103       | 6.76  | 30        |      |
| Naphthalene                                                   | 2850   | µg/kg | 16.5 | 3194.1       | <10.2             | 89.1  | 54-99        | 0.943 | 30        |      |
| Nitrobenzene                                                  | 2830   | µg/kg | 413  | 3194.1       | <26.8             | 88.5  | 53-100       | 0.291 | 30        |      |
| n-Nitrosodi-n-propylamine                                     | 2640   | µg/kg | 81.8 | 3194.1       | <13.2             | 82.7  | 52-104       | 0.149 | 30        |      |
| N-Nitrosodiphenylamine                                        | 2880   | µg/kg | 81.8 | 3194.1       | <46.2             | 90.2  | 61-104       | 3.19  | 30        |      |
| Pentachlorophenol                                             | 2490   | µg/kg | 81.8 | 3194.1       | <63.5             | 77.8  | 35-100       | 0.408 | 30        |      |
| Phenanthrene                                                  | 2830   | µg/kg | 16.5 | 3194.1       | <7.43             | 88.6  | 64-101       | 1.17  | 30        |      |
| Phenol                                                        | 2560   | µg/kg | 81.8 | 3194.1       | <40.1             | 80.2  | 51-107       | 0.619 | 30        |      |

# QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2442280

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3868930

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2442280-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8270E **Dilution:** 1 **Analysis Date:** 02/07/26 14:44

**Prep Date:** 02/05/26 09:10

| Analyte                    | Result      | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD   | RPD Limit | Qual |
|----------------------------|-------------|-------|------|--------------|-------------------|-------|--------------|-------|-----------|------|
| Pyrene                     | 3080        | µg/kg | 16.5 | 3194.1       | <7.97             | 96.4  | 52-114       | 0.182 | 30        |      |
| Pyridine                   | 2480        | µg/kg | 413  | 3194.1       | <157              | 77.6  | 40-84        | 1.43  | 30        |      |
| Surr: 2,4,6-Tribromophenol | <b>6960</b> | µg/kg |      | 7986.4       |                   | 87.2  | 48-94        | 3.01  | 30        |      |
| Surr: 2-Fluorobiphenyl     | <b>6740</b> | µg/kg |      | 7986.4       |                   | 84.4  | 50-103       | 1.83  | 30        |      |
| Surr: 2-Fluorophenol       | <b>6540</b> | µg/kg |      | 7986.4       |                   | 81.8  | 43-105       | 1.09  | 30        |      |
| Surr: 4-Terphenyl-d14      | <b>7230</b> | µg/kg |      | 7986.4       |                   | 90.5  | 55-111       | 3.15  | 30        |      |
| Surr: Nitrobenzene-d5      | <b>7300</b> | µg/kg |      | 7986.4       |                   | 91.4  | 47-100       | 0.516 | 30        |      |
| Surr: Phenol-d6            | <b>6780</b> | µg/kg |      | 7986.4       |                   | 84.9  | 49-110       | 0.244 | 30        |      |

**The following samples were analyzed in this batch:** HN2601572-001, HN2601572-002, HN2601572-003



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

### Volatile Organic Compounds by GC-MS

| MB | CLIENT ID: Method Blank | Lab ID: QC-2441302-001 |
|----|-------------------------|------------------------|
|----|-------------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/04/26 18:38

**Prep Date:** 02/04/26 14:40

| Analyte                                           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,1,1-Trichloroethane                             | <13.6  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,1,2,2-Tetrachloroethane                         | <13.2  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | <19.0  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,1,2-Trichloroethane                             | <12.8  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,1-Dichloroethane                                | <10.9  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,1-Dichloroethylene                              | <9.72  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,2,3-Trichlorobenzene                            | <36.0  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| 1,2,3-Trichloropropane                            | <12.6  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,2,4-Trichlorobenzene                            | <34.0  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| 1,2,4-Trimethylbenzene                            | <22.0  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,2-Dibromo-3-chloropropane (DBCP)                | <27.6  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| 1,2-Dibromoethane (EDB, Ethylene dibromide)       | <17.6  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)           | <11.4  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,2-Dichloroethane (Ethylene dichloride)          | <26.3  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| 1,2-Dichloropropane                               | <22.1  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,3,5-Trimethylbenzene                            | <21.2  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| 1,3-Dichlorobenzene (m-Dichlorobenzene)           | <20.7  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 1,3-Dichloropropene                               | <16.8  | µg/kg | 60.0 |              |                   |       |              |     |           | U    |
| 1,4-Dichlorobenzene (p-Dichlorobenzene)           | <24.4  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 2-Butanone (Methyl ethyl ketone, MEK)             | <71.4  | µg/kg | 200  |              |                   |       |              |     |           | U    |
| 2-Hexanone                                        | <14.9  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| 4-Methyl-2-pentanone (MIBK)                       | <28.0  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Acetone                                           | <89.0  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| Benzene                                           | <14.5  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Bromochloromethane                                | <15.3  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Bromodichloromethane                              | <16.8  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Bromoform                                         | <12.6  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Carbon disulfide                                  | <15.5  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Carbon tetrachloride                              | <11.7  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Chlorobenzene                                     | <9.96  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Chlorodibromomethane                              | <16.8  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Chloroethane (Ethyl chloride)                     | <84.0  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| Chloroform                                        | <11.0  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| cis-1,2-Dichloroethylene                          | <19.3  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| cis-1,3-Dichloropropene                           | <22.6  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Cyclohexane                                       | <23.0  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| Dichlorodifluoromethane (Freon-12)                | <36.3  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| Ethylbenzene                                      | <21.3  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

| MB | CLIENT ID: Method Blank | Lab ID: QC-2441302-001 |
|----|-------------------------|------------------------|
|----|-------------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/04/26 18:38

**Prep Date:** 02/04/26 14:40

| Analyte                                                   | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-----------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Isopropylbenzene                                          | <19.0  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| m+p-Xylene                                                | <40.0  | µg/kg | 60.0 |              |                   |       |              |     |           | U    |
| Methyl acetate                                            | <35.9  | µg/kg | 250  |              |                   |       |              |     |           | U    |
| Methyl bromide (Bromomethane)                             | <57.4  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| Methyl chloride (Chloromethane)                           | <82.0  | µg/kg | 100  |              |                   |       |              |     |           | U    |
| Methyl tert-butyl ether (MTBE)                            | <21.9  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Methylcyclohexane                                         | <11.4  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Methylene chloride (Dichloromethane)                      | <79.6  | µg/kg | 250  |              |                   |       |              |     |           | U    |
| o-Xylene                                                  | <11.6  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Styrene                                                   | <11.9  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Tetrachloroethylene (Perchloroethylene)                   | <18.1  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Toluene                                                   | <24.7  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Total Xylene                                              | <11.6  | µg/kg | 90.0 |              |                   |       |              |     |           | U    |
| trans-1,2-Dichloroethylene                                | <24.8  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| trans-1,3-Dichloropropylene                               | <16.8  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Trichloroethene (Trichloroethylene)                       | <13.4  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | <15.3  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Vinyl chloride (Chloroethene)                             | <19.9  | µg/kg | 30.0 |              |                   |       |              |     |           | U    |
| Surr: 1,2-Dichloroethane-d4                               | 1000   | µg/kg |      | 1000         |                   | 100   | 80-120       |     |           |      |
| Surr: 4-Bromofluorobenzene                                | 997    | µg/kg |      | 1000         |                   | 99.7  | 80-120       |     |           |      |
| Surr: Dibromofluoromethane                                | 981    | µg/kg |      | 1000         |                   | 98.1  | 72-120       |     |           |      |
| Surr: Toluene-d8                                          | 1000   | µg/kg |      | 1000         |                   | 100   | 80-120       |     |           |      |

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2441302-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/04/26 17:40

**Prep Date:** 02/04/26 14:40

| Analyte                                           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,1,1-Trichloroethane                             | 1010   | µg/kg | 30.0 | 1000         |                   | 101   | 75-121       |     |           |      |
| 1,1,2,2-Tetrachloroethane                         | 1020   | µg/kg | 30.0 | 1000         |                   | 102   | 79-125       |     |           |      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 1170   | µg/kg | 30.0 | 1000         |                   | 117   | 62-129       |     |           |      |
| 1,1,2-Trichloroethane                             | 934    | µg/kg | 30.0 | 1000         |                   | 93.4  | 80-123       |     |           |      |
| 1,1-Dichloroethane                                | 970    | µg/kg | 30.0 | 1000         |                   | 97.0  | 74-124       |     |           |      |
| 1,1-Dichloroethylene                              | 1040   | µg/kg | 30.0 | 1000         |                   | 104   | 68-131       |     |           |      |
| 1,2,3-Trichlorobenzene                            | 906    | µg/kg | 100  | 1000         |                   | 90.6  | 60-135       |     |           |      |
| 1,2,3-Trichloropropane                            | 954    | µg/kg | 30.0 | 1000         |                   | 95.4  | 77-121       |     |           |      |
| 1,2,4-Trichlorobenzene                            | 904    | µg/kg | 100  | 1000         |                   | 90.4  | 63-130       |     |           |      |
| 1,2,4-Trimethylbenzene                            | 934    | µg/kg | 30.0 | 1000         |                   | 93.4  | 64-126       |     |           |      |
| 1,2-Dibromo-3-chloropropane (DBCP)                | 882    | µg/kg | 100  | 1000         |                   | 88.2  | 55-135       |     |           |      |
| 1,2-Dibromoethane (EDB, Ethylene dibromide)       | 885    | µg/kg | 30.0 | 1000         |                   | 88.5  | 63-155       |     |           |      |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)           | 893    | µg/kg | 30.0 | 1000         |                   | 89.3  | 77-122       |     |           |      |



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2441302-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/04/26 17:40

**Prep Date:** 02/04/26 14:40

| Analyte                                                   | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-----------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,2-Dichloroethane (Ethylene dichloride)                  | 945    | µg/kg | 100  | 1000         |                   | 94.5  | 70-130       |     |           |      |
| 1,2-Dichloropropane                                       | 900    | µg/kg | 30.0 | 1000         |                   | 90.0  | 71-130       |     |           |      |
| 1,3,5-Trimethylbenzene                                    | 960    | µg/kg | 100  | 1000         |                   | 96.0  | 66-130       |     |           |      |
| 1,3-Dichlorobenzene (m-Dichlorobenzene)                   | 898    | µg/kg | 30.0 | 1000         |                   | 89.8  | 78-121       |     |           |      |
| 1,3-Dichloropropene                                       | 1850   | µg/kg | 60.0 | 2000         |                   | 92.4  | 62-124       |     |           |      |
| 1,4-Dichlorobenzene (p-Dichlorobenzene)                   | 904    | µg/kg | 30.0 | 1000         |                   | 90.4  | 78-122       |     |           |      |
| 2-Butanone (Methyl ethyl ketone, MEK)                     | 1100   | µg/kg | 200  | 1000         |                   | 110   | 47-164       |     |           |      |
| 2-Hexanone                                                | 1220   | µg/kg | 30.0 | 1000         |                   | 122   | 70-137       |     |           |      |
| 4-Methyl-2-pentanone (MIBK)                               | 1650   | µg/kg | 30.0 | 1000         |                   | 165   | 57-200       |     |           |      |
| Acetone                                                   | 1120   | µg/kg | 100  | 1000         |                   | 112   | 52-190       |     |           |      |
| Benzene                                                   | 984    | µg/kg | 30.0 | 1000         |                   | 98.4  | 78-122       |     |           |      |
| Bromochloromethane                                        | 938    | µg/kg | 30.0 | 1000         |                   | 93.8  | 68-130       |     |           |      |
| Bromodichloromethane                                      | 940    | µg/kg | 30.0 | 1000         |                   | 94.0  | 75-125       |     |           |      |
| Bromoform                                                 | 918    | µg/kg | 30.0 | 1000         |                   | 91.8  | 59-120       |     |           |      |
| Carbon disulfide                                          | 1190   | µg/kg | 30.0 | 1000         |                   | 119   | 60-163       |     |           |      |
| Carbon tetrachloride                                      | 982    | µg/kg | 30.0 | 1000         |                   | 98.2  | 69-123       |     |           |      |
| Chlorobenzene                                             | 967    | µg/kg | 30.0 | 1000         |                   | 96.7  | 79-120       |     |           |      |
| Chlorodibromomethane                                      | 962    | µg/kg | 30.0 | 1000         |                   | 96.2  | 57-123       |     |           |      |
| Chloroethane (Ethyl chloride)                             | 1100   | µg/kg | 100  | 1000         |                   | 110   | 38-132       |     |           |      |
| Chloroform                                                | 914    | µg/kg | 30.0 | 1000         |                   | 91.4  | 72-122       |     |           |      |
| cis-1,2-Dichloroethylene                                  | 974    | µg/kg | 30.0 | 1000         |                   | 97.4  | 74-125       |     |           |      |
| cis-1,3-Dichloropropene                                   | 918    | µg/kg | 30.0 | 1000         |                   | 91.8  | 62-124       |     |           |      |
| Dichlorodifluoromethane (Freon-12)                        | 1020   | µg/kg | 100  | 1000         |                   | 102   | 28-137       |     |           |      |
| Ethylbenzene                                              | 984    | µg/kg | 30.0 | 1000         |                   | 98.4  | 75-121       |     |           |      |
| Isopropylbenzene                                          | 981    | µg/kg | 30.0 | 1000         |                   | 98.1  | 74-121       |     |           |      |
| m+p-Xylene                                                | 1980   | µg/kg | 60.0 | 2000         |                   | 98.8  | 67-129       |     |           |      |
| Methyl acetate                                            | 980    | µg/kg | 250  | 1000         |                   | 98.0  | 61-125       |     |           |      |
| Methyl bromide (Bromomethane)                             | 870    | µg/kg | 100  | 1000         |                   | 87.0  | 31-169       |     |           |      |
| Methyl chloride (Chloromethane)                           | 808    | µg/kg | 100  | 1000         |                   | 80.8  | 24-119       |     |           |      |
| Methyl tert-butyl ether (MTBE)                            | 1060   | µg/kg | 30.0 | 1000         |                   | 106   | 79-139       |     |           |      |
| Methylene chloride (Dichloromethane)                      | 1010   | µg/kg | 250  | 1000         |                   | 101   | 62-135       |     |           |      |
| o-Xylene                                                  | 1010   | µg/kg | 30.0 | 1000         |                   | 101   | 75-120       |     |           |      |
| Styrene                                                   | 968    | µg/kg | 30.0 | 1000         |                   | 96.8  | 74-126       |     |           |      |
| Tetrachloroethylene (Perchloroethylene)                   | 1260   | µg/kg | 30.0 | 1000         |                   | 126   | 76-128       |     |           |      |
| Toluene                                                   | 1000   | µg/kg | 30.0 | 1000         |                   | 100   | 76-120       |     |           |      |
| Total Xylene                                              | 2990   | µg/kg | 90.0 | 3000         |                   | 99.5  | 67-129       |     |           |      |
| trans-1,2-Dichloroethylene                                | 960    | µg/kg | 30.0 | 1000         |                   | 96.0  | 72-127       |     |           |      |
| trans-1,3-Dichloropropylene                               | 930    | µg/kg | 30.0 | 1000         |                   | 93.0  | 66-120       |     |           |      |
| Trichloroethene (Trichloroethylene)                       | 914    | µg/kg | 30.0 | 1000         |                   | 91.4  | 75-122       |     |           |      |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | 1060   | µg/kg | 30.0 | 1000         |                   | 106   | 51-115       |     |           |      |
| Vinyl chloride (Chloroethene)                             | 1080   | µg/kg | 30.0 | 1000         |                   | 108   | 43-128       |     |           |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

| LCS | CLIENT ID: Laboratory Control Sample | Lab ID: QC-2441302-002 |
|-----|--------------------------------------|------------------------|
|-----|--------------------------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/04/26 17:40

**Prep Date:** 02/04/26 14:40

| Analyte                     | Result | Units | MRL | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-----------------------------|--------|-------|-----|--------------|-------------------|-------|--------------|-----|-----------|------|
| Surr: 1,2-Dichloroethane-d4 | 1010   | µg/kg |     | 1000         |                   | 101   | 80-120       |     |           |      |
| Surr: 4-Bromofluorobenzene  | 1040   | µg/kg |     | 1000         |                   | 104   | 80-120       |     |           |      |
| Surr: Dibromofluoromethane  | 1010   | µg/kg |     | 1000         |                   | 101   | 72-120       |     |           |      |
| Surr: Toluene-d8            | 999    | µg/kg |     | 1000         |                   | 99.9  | 80-120       |     |           |      |

| MS | CLIENT ID: Batch QC | Lab ID: QC-2441302-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/05/26 01:30

**Prep Date:** 02/04/26 14:40

| Analyte                                           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|---------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| 1,1,1-Trichloroethane                             | 2340   | µg/kg | 66.7 | 2114.2       | <28.8             | 111   | 75-121       |     |           |      |
| 1,1,2,2-Tetrachloroethane                         | 1200   | µg/kg | 66.7 | 2114.2       | <28.0             | 56.6  | 79-125       |     |           | S    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 2950   | µg/kg | 66.7 | 2114.2       | <40.2             | 139   | 62-129       |     |           | S    |
| 1,1,2-Trichloroethane                             | 2110   | µg/kg | 66.7 | 2114.2       | <27.0             | 99.6  | 80-123       |     |           |      |
| 1,1-Dichloroethane                                | 2350   | µg/kg | 66.7 | 2114.2       | <23.1             | 111   | 74-124       |     |           |      |
| 1,1-Dichloroethylene                              | 2690   | µg/kg | 66.7 | 2114.2       | <20.5             | 127   | 68-131       |     |           |      |
| 1,2,3-Trichlorobenzene                            | 1980   | µg/kg | 222  | 2114.2       | <76.1             | 93.8  | 60-135       |     |           |      |
| 1,2,3-Trichloropropane                            | 2050   | µg/kg | 66.7 | 2114.2       | <26.6             | 97.0  | 77-121       |     |           |      |
| 1,2,4-Trichlorobenzene                            | 1990   | µg/kg | 222  | 2114.2       | <71.9             | 94.2  | 63-130       |     |           |      |
| 1,2,4-Trimethylbenzene                            | 2110   | µg/kg | 66.7 | 2114.2       | <46.5             | 100.0 | 64-126       |     |           |      |
| 1,2-Dibromo-3-chloropropane (DBCP)                | 1850   | µg/kg | 222  | 2114.2       | <58.4             | 87.3  | 55-135       |     |           |      |
| 1,2-Dibromoethane (EDB, Ethylene dibromide)       | 1980   | µg/kg | 66.7 | 2114.2       | <37.3             | 93.8  | 63-155       |     |           |      |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)           | 2130   | µg/kg | 66.7 | 2114.2       | <24.1             | 101   | 77-122       |     |           |      |
| 1,2-Dichloroethane (Ethylene dichloride)          | 2160   | µg/kg | 222  | 2114.2       | <55.6             | 102   | 70-130       |     |           |      |
| 1,2-Dichloropropane                               | 2040   | µg/kg | 66.7 | 2114.2       | <46.7             | 96.4  | 71-130       |     |           |      |
| 1,3,5-Trimethylbenzene                            | 2150   | µg/kg | 222  | 2114.2       | <44.8             | 102   | 66-130       |     |           |      |
| 1,3-Dichlorobenzene (m-Dichlorobenzene)           | 2140   | µg/kg | 66.7 | 2114.2       | <43.8             | 101   | 78-121       |     |           |      |
| 1,3-Dichloropropene                               | 3860   | µg/kg | 133  | 4228.3       | <35.4             | 91.2  | 62-124       |     |           |      |
| 1,4-Dichlorobenzene (p-Dichlorobenzene)           | 2140   | µg/kg | 66.7 | 2114.2       | <51.5             | 101   | 78-122       |     |           |      |
| 2-Butanone (Methyl ethyl ketone, MEK)             | 3530   | µg/kg | 444  | 2114.2       | <151              | 167   | 47-164       |     |           | S    |
| 2-Hexanone                                        | 3350   | µg/kg | 66.7 | 2114.2       | <31.5             | 159   | 70-137       |     |           | S    |
| 4-Methyl-2-pentanone (MIBK)                       | 2900   | µg/kg | 66.7 | 2114.2       | <59.1             | 137   | 57-200       |     |           |      |
| Acetone                                           | 5370   | µg/kg | 222  | 2114.2       | <188              | 254   | 52-190       |     |           | S    |
| Benzene                                           | 2260   | µg/kg | 66.7 | 2114.2       | <30.7             | 107   | 78-122       |     |           |      |
| Bromochloromethane                                | 2250   | µg/kg | 66.7 | 2114.2       | <32.3             | 106   | 68-130       |     |           |      |
| Bromodichloromethane                              | 2060   | µg/kg | 66.7 | 2114.2       | <35.5             | 97.4  | 75-125       |     |           |      |
| Bromoform                                         | 1920   | µg/kg | 66.7 | 2114.2       | <26.7             | 90.6  | 59-120       |     |           |      |
| Carbon disulfide                                  | 2920   | µg/kg | 66.7 | 2114.2       | <32.8             | 138   | 60-163       |     |           |      |
| Carbon tetrachloride                              | 2310   | µg/kg | 66.7 | 2114.2       | <24.8             | 109   | 69-123       |     |           |      |
| Chlorobenzene                                     | 2100   | µg/kg | 66.7 | 2114.2       | <21.1             | 99.4  | 79-120       |     |           |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

| MS | CLIENT ID: Batch QC | Lab ID: QC-2441302-005 |
|----|---------------------|------------------------|
|----|---------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/05/26 01:30

**Prep Date:** 02/04/26 14:40

| Analyte                                                   | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD | RPD Limit | Qual |
|-----------------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-----|-----------|------|
| Chlorodibromomethane                                      | 2050   | µg/kg | 66.7 | 2114.2       | <35.6             | 96.8  | 57-123       |     |           |      |
| Chloroethane (Ethyl chloride)                             | 1430   | µg/kg | 222  | 2114.2       | <178              | 67.8  | 38-132       |     |           |      |
| Chloroform                                                | 2250   | µg/kg | 66.7 | 2114.2       | <23.2             | 106   | 72-122       |     |           |      |
| cis-1,2-Dichloroethylene                                  | 2280   | µg/kg | 66.7 | 2114.2       | <40.8             | 108   | 74-125       |     |           |      |
| cis-1,3-Dichloropropene                                   | 1890   | µg/kg | 66.7 | 2114.2       | <47.8             | 89.6  | 62-124       |     |           |      |
| Dichlorodifluoromethane (Freon-12)                        | 2810   | µg/kg | 222  | 2114.2       | <76.8             | 133   | 28-137       |     |           |      |
| Ethylbenzene                                              | 2250   | µg/kg | 66.7 | 2114.2       | <45.0             | 106   | 75-121       |     |           |      |
| Isopropylbenzene                                          | 2220   | µg/kg | 66.7 | 2114.2       | <40.1             | 105   | 74-121       |     |           |      |
| m+p-Xylene                                                | 4520   | µg/kg | 133  | 4228.3       | <84.6             | 107   | 67-129       |     |           |      |
| Methyl acetate                                            | 2710   | µg/kg | 556  | 2114.2       | <75.9             | 128   | 61-125       |     |           | S    |
| Methyl bromide (Bromomethane)                             | 999    | µg/kg | 222  | 2114.2       | <121              | 47.2  | 31-169       |     |           |      |
| Methyl chloride (Chloromethane)                           | 1800   | µg/kg | 222  | 2114.2       | <173              | 85.0  | 24-119       |     |           |      |
| Methyl tert-butyl ether (MTBE)                            | 2520   | µg/kg | 66.7 | 2114.2       | <46.3             | 119   | 79-139       |     |           |      |
| Methylene chloride (Dichloromethane)                      | 2300   | µg/kg | 556  | 2114.2       | <168              | 109   | 62-135       |     |           |      |
| o-Xylene                                                  | 2250   | µg/kg | 66.7 | 2114.2       | <24.5             | 106   | 75-120       |     |           |      |
| Styrene                                                   | 2180   | µg/kg | 66.7 | 2114.2       | <25.1             | 103   | 74-126       |     |           |      |
| Tetrachloroethylene (Perchloroethylene)                   | 4060   | µg/kg | 66.7 | 2114.2       | <38.2             | 192   | 76-128       |     |           | S    |
| Toluene                                                   | 2240   | µg/kg | 66.7 | 2114.2       | <52.3             | 106   | 76-120       |     |           |      |
| Total Xylene                                              | 6770   | µg/kg | 200  | 6342.5       | <24.5             | 107   | 67-129       |     |           |      |
| trans-1,2-Dichloroethylene                                | 2350   | µg/kg | 66.7 | 2114.2       | <52.3             | 111   | 72-127       |     |           |      |
| trans-1,3-Dichloropropylene                               | 1960   | µg/kg | 66.7 | 2114.2       | <35.4             | 92.8  | 66-120       |     |           |      |
| Trichloroethene (Trichloroethylene)                       | 2810   | µg/kg | 66.7 | 2114.2       | <28.4             | 133   | 75-122       |     |           | S    |
| Trichlorofluoromethane (Fluorotrichloromethane, Freon 11) | 3300   | µg/kg | 66.7 | 2114.2       | <32.4             | 156   | 51-115       |     |           | S    |
| Vinyl chloride (Chloroethene)                             | 2630   | µg/kg | 66.7 | 2114.2       | <42.2             | 124   | 43-128       |     |           |      |
| Surr: 1,2-Dichloroethane-d4                               | 2230   | µg/kg |      | 2114.2       |                   | 105   | 80-120       |     |           |      |
| Surr: 4-Bromofluorobenzene                                | 2140   | µg/kg |      | 2114.2       |                   | 101   | 80-120       |     |           |      |
| Surr: Dibromofluoromethane                                | 2130   | µg/kg |      | 2114.2       |                   | 101   | 72-120       |     |           |      |
| Surr: Toluene-d8                                          | 2070   | µg/kg |      | 2114.2       |                   | 97.7  | 80-120       |     |           |      |

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2441302-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/05/26 01:49

**Prep Date:** 02/04/26 14:40

| Analyte                                           | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD   | RPD Limit | Qual |
|---------------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|-------|-----------|------|
| 1,1,1-Trichloroethane                             | 2400   | µg/kg | 66.7 | 2114.2       | <28.8             | 114   | 75-121       | 2.63  | 30        |      |
| 1,1,2,2-Tetrachloroethane                         | 1210   | µg/kg | 66.7 | 2114.2       | <28.0             | 57.2  | 79-125       | 1.05  | 30        | S    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 2960   | µg/kg | 66.7 | 2114.2       | <40.2             | 140   | 62-129       | 0.572 | 30        | S    |
| 1,1,2-Trichloroethane                             | 2210   | µg/kg | 66.7 | 2114.2       | <27.0             | 104   | 80-123       | 4.70  | 30        |      |
| 1,1-Dichloroethane                                | 2460   | µg/kg | 66.7 | 2114.2       | <23.1             | 116   | 74-124       | 4.26  | 30        |      |
| 1,1-Dichloroethylene                              | 2790   | µg/kg | 66.7 | 2114.2       | <20.5             | 132   | 68-131       | 3.74  | 30        | S    |
| 1,2,3-Trichlorobenzene                            | 2050   | µg/kg | 222  | 2114.2       | <76.1             | 97.0  | 60-135       | 3.35  | 30        |      |
| 1,2,3-Trichloropropane                            | 2240   | µg/kg | 66.7 | 2114.2       | <26.6             | 106   | 77-121       | 8.92  | 30        |      |
| 1,2,4-Trichlorobenzene                            | 2010   | µg/kg | 222  | 2114.2       | <71.9             | 95.2  | 63-130       | 1.11  | 30        |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2441302-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/05/26 01:49

**Prep Date:** 02/04/26 14:40

| Analyte                                     | Result | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD    | RPD Limit | Qual |
|---------------------------------------------|--------|-------|------|--------------|-------------------|-------|--------------|--------|-----------|------|
| 1,2,4-Trimethylbenzene                      | 2270   | µg/kg | 66.7 | 2114.2       | <46.5             | 107   | 64-126       | 7.19   | 30        |      |
| 1,2-Dibromo-3-chloropropane (DBCP)          | 1880   | µg/kg | 222  | 2114.2       | <58.4             | 88.9  | 55-135       | 1.82   | 30        |      |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | 2090   | µg/kg | 66.7 | 2114.2       | <37.3             | 98.8  | 63-155       | 5.25   | 30        |      |
| 1,2-Dichlorobenzene (o-Dichlorobenzene)     | 2090   | µg/kg | 66.7 | 2114.2       | <24.1             | 99.0  | 77-122       | 1.65   | 30        |      |
| 1,2-Dichloroethane (Ethylene dichloride)    | 2220   | µg/kg | 222  | 2114.2       | <55.6             | 105   | 70-130       | 3.09   | 30        |      |
| 1,2-Dichloropropane                         | 2090   | µg/kg | 66.7 | 2114.2       | <46.7             | 98.7  | 71-130       | 2.41   | 30        |      |
| 1,3,5-Trimethylbenzene                      | 2300   | µg/kg | 222  | 2114.2       | <44.8             | 109   | 66-130       | 6.51   | 30        |      |
| 1,3-Dichlorobenzene (m-Dichlorobenzene)     | 2150   | µg/kg | 66.7 | 2114.2       | <43.8             | 102   | 78-121       | 0.345  | 30        |      |
| 1,3-Dichloropropene                         | 4080   | µg/kg | 133  | 4228.3       | <35.4             | 96.6  | 62-124       | 5.72   | 30        |      |
| 1,4-Dichlorobenzene (p-Dichlorobenzene)     | 2140   | µg/kg | 66.7 | 2114.2       | <51.5             | 101   | 78-122       | 0.0987 | 30        |      |
| 2-Butanone (Methyl ethyl ketone, MEK)       | 3750   | µg/kg | 444  | 2114.2       | <151              | 177   | 47-164       | 6.07   | 30        | S    |
| 2-Hexanone                                  | 3590   | µg/kg | 66.7 | 2114.2       | <31.5             | 170   | 70-137       | 6.79   | 30        | S    |
| 4-Methyl-2-pentanone (MIBK)                 | 2950   | µg/kg | 66.7 | 2114.2       | <59.1             | 139   | 57-200       | 1.63   | 30        |      |
| Acetone                                     | 5630   | µg/kg | 222  | 2114.2       | <188              | 266   | 52-190       | 4.73   | 30        | S    |
| Benzene                                     | 2340   | µg/kg | 66.7 | 2114.2       | <30.7             | 111   | 78-122       | 3.26   | 30        |      |
| Bromochloromethane                          | 2330   | µg/kg | 66.7 | 2114.2       | <32.3             | 110   | 68-130       | 3.69   | 30        |      |
| Bromodichloromethane                        | 2150   | µg/kg | 66.7 | 2114.2       | <35.5             | 102   | 75-125       | 4.27   | 30        |      |
| Bromoform                                   | 2040   | µg/kg | 66.7 | 2114.2       | <26.7             | 96.5  | 59-120       | 6.31   | 30        |      |
| Carbon disulfide                            | 3000   | µg/kg | 66.7 | 2114.2       | <32.8             | 142   | 60-163       | 2.93   | 30        |      |
| Carbon tetrachloride                        | 2400   | µg/kg | 66.7 | 2114.2       | <24.8             | 114   | 69-123       | 4.04   | 30        |      |
| Chlorobenzene                               | 2290   | µg/kg | 66.7 | 2114.2       | <21.1             | 108   | 79-120       | 8.57   | 30        |      |
| Chlorodibromomethane                        | 2150   | µg/kg | 66.7 | 2114.2       | <35.6             | 102   | 57-123       | 4.89   | 30        |      |
| Chloroethane (Ethyl chloride)               | 1580   | µg/kg | 222  | 2114.2       | <178              | 74.7  | 38-132       | 9.76   | 30        |      |
| Chloroform                                  | 2350   | µg/kg | 66.7 | 2114.2       | <23.2             | 111   | 72-122       | 4.33   | 30        |      |
| cis-1,2-Dichloroethylene                    | 2330   | µg/kg | 66.7 | 2114.2       | <40.8             | 110   | 74-125       | 2.48   | 30        |      |
| cis-1,3-Dichloropropene                     | 1980   | µg/kg | 66.7 | 2114.2       | <47.8             | 93.5  | 62-124       | 4.26   | 30        |      |
| Dichlorodifluoromethane (Freon-12)          | 2820   | µg/kg | 222  | 2114.2       | <76.8             | 133   | 28-137       | 0.0376 | 30        |      |
| Ethylbenzene                                | 2370   | µg/kg | 66.7 | 2114.2       | <45.0             | 112   | 75-121       | 5.31   | 30        |      |
| Isopropylbenzene                            | 2380   | µg/kg | 66.7 | 2114.2       | <40.1             | 112   | 74-121       | 6.95   | 30        |      |
| m+p-Xylene                                  | 4850   | µg/kg | 133  | 4228.3       | <84.6             | 115   | 67-129       | 7.04   | 30        |      |
| Methyl acetate                              | 2850   | µg/kg | 556  | 2114.2       | <75.9             | 135   | 61-125       | 4.97   | 30        | S    |
| Methyl bromide (Bromomethane)               | 858    | µg/kg | 222  | 2114.2       | <121              | 40.6  | 31-169       | 15.1   | 30        |      |
| Methyl chloride (Chloromethane)             | 1870   | µg/kg | 222  | 2114.2       | <173              | 88.4  | 24-119       | 3.86   | 30        |      |
| Methyl tert-butyl ether (MTBE)              | 2600   | µg/kg | 66.7 | 2114.2       | <46.3             | 123   | 79-139       | 2.81   | 30        |      |
| Methylene chloride (Dichloromethane)        | 1910   | µg/kg | 556  | 2114.2       | <168              | 90.4  | 62-135       | 18.4   | 30        |      |
| o-Xylene                                    | 2390   | µg/kg | 66.7 | 2114.2       | <24.5             | 113   | 75-120       | 6.25   | 30        |      |
| Styrene                                     | 2350   | µg/kg | 66.7 | 2114.2       | <25.1             | 111   | 74-126       | 7.46   | 30        |      |
| Tetrachloroethylene (Perchloroethylene)     | 4340   | µg/kg | 66.7 | 2114.2       | <38.2             | 205   | 76-128       | 6.55   | 30        | S    |
| Toluene                                     | 2430   | µg/kg | 66.7 | 2114.2       | <52.3             | 115   | 76-120       | 8.05   | 30        |      |
| Total Xylene                                | 7240   | µg/kg | 200  | 6342.5       | <24.5             | 114   | 67-129       | 6.78   | 30        |      |

## QA/QC Report



**Client:** The Mannik & Smith Group, Inc.  
**Project:** 12145 Christy  
**Matrix:** SOIL/SOLID  
**QC Lot:** 2441302

**Work Order:** HN2601572  
**Date Collected:** NA  
**Date Received:** NA  
**Run ID:** 3862247

| MSD | CLIENT ID: Batch QC | Lab ID: QC-2441302-006 |
|-----|---------------------|------------------------|
|-----|---------------------|------------------------|

**Method:** EPA 8260D

**Dilution:** 1

**Analysis Date:** 02/05/26 01:49

**Prep Date:** 02/04/26 14:40

| Analyte                                                      | Result      | Units | MRL  | Spike Amount | Spike Ref. Amount | % Rec | % Rec Limits | RPD   | RPD Limit | Qual |
|--------------------------------------------------------------|-------------|-------|------|--------------|-------------------|-------|--------------|-------|-----------|------|
| trans-1,2-Dichloroethylene                                   | 2470        | µg/kg | 66.7 | 2114.2       | <52.3             | 117   | 72-127       | 4.92  | 30        |      |
| trans-1,3-Dichloropropylene                                  | 2110        | µg/kg | 66.7 | 2114.2       | <35.4             | 99.7  | 66-120       | 7.12  | 30        |      |
| Trichloroethene (Trichloroethylene)                          | 3000        | µg/kg | 66.7 | 2114.2       | <28.4             | 142   | 75-122       | 6.63  | 30        | S    |
| Trichlorofluoromethane<br>(Fluorotrichloromethane, Freon 11) | 3340        | µg/kg | 66.7 | 2114.2       | <32.4             | 158   | 51-115       | 0.987 | 30        | S    |
| Vinyl chloride (Chloroethene)                                | 2740        | µg/kg | 66.7 | 2114.2       | <42.2             | 130   | 43-128       | 4.14  | 30        | S    |
| Surr: 1,2-Dichloroethane-d4                                  | <b>2210</b> | µg/kg |      | 2114.2       |                   | 104   | 80-120       | 0.907 | 30        |      |
| Surr: 4-Bromofluorobenzene                                   | <b>2190</b> | µg/kg |      | 2114.2       |                   | 103   | 80-120       | 2.40  | 30        |      |
| Surr: Dibromofluoromethane                                   | <b>2140</b> | µg/kg |      | 2114.2       |                   | 101   | 72-120       | 0.644 | 30        |      |
| Surr: Toluene-d8                                             | <b>2120</b> | µg/kg |      | 2114.2       |                   | 100   | 80-120       | 2.48  | 30        |      |

**The following samples were analyzed in this batch:** HN2601572-001, HN2601572-002, HN2601572-003