

DRAFT

FILL MATERIAL SAMPLING REPORT

12311 FINDLAY AVENUE
DETROIT, WAYNE COUNTY, MICHIGAN 48205



NOVEMBER 19, 2025
REVISED DECEMBER 12, 2025

PREPARED FOR:
THE CITY OF DETROIT DEMOLITION DEPARTMENT
1301 THIRD STREET, SUITE 606
DETROIT, MICHIGAN 48226



FILL MATERIAL SAMPLING REPORT

12311 FINDLAY AVENUE
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 12311 Findlay Avenue, 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); semivolatile 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 12311 SB01, 12311 SB02, and 12311 SB03 generally consisted of two to five feet of brown to gray sand and gravelly sand with a layer of brown sandy clay from two to three feet in 12311 SB01, underlain by brown silty clay to six feet below ground surface (bgs), the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores ranged from 0.0 to 7.4 parts per million (ppm). There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, concrete, asphalt, and/or brick debris was observed in all borings
- Concentrations of arsenic were detected in soil sample 12311 SB02 (3-4') in excess of its respective Part 201 drinking water protection criteria (DWPC) and groundwater surface water interface criteria (GSIPC). Concentrations of total chromium were detected in soil sample 12311 SB01 (1-2') in excess of its GSIPC.
- Concentrations of 1,2,4-trimethylbenzene, 4,4-DDD, 4,4-DDE, 4,4-DDT, anthracene, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chloride, chrysene, copper, fluoranthene, indeno(1,2,3-cd)pyrene, lead, mercury, phenanthrene, pyrene, total xylenes, and zinc were detected in soil samples 12311 SB01 (1-2'), 12311 SB02 (3-4'), 12311 SB03 (5-6'), and/or 12311 Findlay SB02 (3-4')-R at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- Toxicity Characteristic Leaching Procedure (TCLP) laboratory analytical results revealed that concentrations of arsenic, chromium, and pesticides were not in excess of 40 C.F.R. § 261.24 Title 40 - *Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste*.
- PCBs 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 City of Detroit 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.

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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TABLE OF CONTENTS

Executive Summary	ES-1
1.0 Introduction	1
2.0 Purpose and Scope of Work	1
3.0 Site Assessment Methodology	1
3.1 Preliminary Site Work Activities	1
3.2 Soil Sample Collection.....	2
3.3 Toxicity Characteristic Leaching Procedure (TCLP) Soil Sample Collection	2
3.4 Decontamination.....	3
3.5 Analytical Methods	3
3.6 Quality Assurance/Quality Control.....	3
4.0 Summary of results	3
4.1 Site Geology and Hydrogeology	3
4.2 Soil Sample Analytical Results.....	4
4.3 TCLP Analytical Results	4
4.4 Exposure Evaluation.....	4
5.0 Findings	5
Figures	
Figure 1	Site Location Map
Figure 2	Site Layout
Tables	
Table 1	Soil Sample Analytical Detection Summary
Table 2	TCLP Analytical Detection Summary
Appendices	
Appendix A	Limitations
Appendix B	Daily Field Reports
Appendix C	Investigation Photographs
Appendix D	Soil Boring Logs
Appendix E	Laboratory Analytical Reports and Chain of Custody Forms

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 12311 Findlay Avenue, 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 August 12, 2025, October 13, 2025, and October 27, 2025. 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); semivolatile 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 August 12, 2025, October 13, 2025, and October 27, 2025. Daily field activity reports prepared by MSG are presented in *Appendix B, Daily Field Reports*.

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) initial soil borings, designated 12311 SB01, 12311 SB02, and 12311 SB03, using a direct push drill rig at the locations depicted on Figure 2. Photographs collected during 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 Toxicity Characteristic Leaching Procedure (TCLP) Soil Sample Collection

On October 13, 2025, MSG mobilized to the Site to collect an additional soil sample based on request from the COD. Sample location and analyte(s) were based on the laboratory results of the initial soil investigation. MSG personnel advanced one soil boring in the immediate vicinity of the soil boring location that exhibited the highest laboratory result(s) in excess of Part 201 GRCC. Soils were continuously profiled from the ground surface to the termination depth of six feet bgs using a direct push drill rig. These soils were homogenized in a stainless-steel bowl (or equivalent) to produce a single, composite soil sample. The composite soil sample was placed into unpreserved laboratory-supplied sample containers, as appropriate for the associated laboratory analyses.

The composite soil sample was collected to create a single, representative sample to provide a laboratory result that includes the overlying and/or underlying soils in the area of concern to comprehensively represent the backfill soils that may be removed.

On October 27, 2025, MSG mobilized to the Site to collect an additional soil sample based on request from the COD in order to fulfill waste characterization parameters required at a Type II landfill. Sample location and

analyte(s) were based on the laboratory results of the initial soil sampling event, as compared to 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261 - Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste. Soils were continuously profiled at the supplemental soil boring locations from the ground surface to the termination depth using a 5-foot long, closed-piston Macro-Core® sampling device. When warranted, 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.

3.4 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.

3.5 Analytical Methods

Five (5) soil samples designated 12311 SB01 (1-2'), 12311 SB02 (3-4'), 12311 SB03 (5-6'), 12311 Findlay SB02 (3-4')-R, and 12311 Findlay SB01 TCLP, 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, and individual TCLP analysis:

- 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.

3.6 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 August 12, 2025, October 13, 2025, and October 27, 2025.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 12311 SB01, 12311 SB02, and 12311 SB03 generally consisted of two to five feet of brown to gray sand and gravelly sand with a layer of brown sandy clay from two to three feet in 12311 SB-01, underlain by brown silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.0 to 7.4 ppm.

There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities, however, concrete, asphalt, and/or brick debris was observed in all borings

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

4.2 Soil Sample Analytical Results

Four (4) soil samples designated 12311 SB01 (1-2'), 12311 SB02 (3-4'), 12311 SB03 (5-6'), and 12311 Findlay SB02 (3-4')-R were collected from the Site and submitted to ALS for laboratory analysis of VOCs, SVOCs, PCBs, Michigan 10 Metals, chloride, herbicides, and/or 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	12311 SB02 (3-4')	DWPC ² / 4,600 GSIPC ³ / 4,600	6,060
Chromium (Total)	7440-47-3	12311 SB01 (1-2')	GSIPC / 3,300	23,100

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

²DWPC – Drinking Water Protection Criteria

³GSIPC – Groundwater Surface Water Interface Protection Criteria

4.3 TCLP Analytical Results

Arsenic, chromium, and pesticides were analyzed following leach testing using USEPA method EPA 6020 B. Laboratory results are summarized and compared to 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261 - Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste in *Table 2, TCLP Analytical Detection Summary Table*. Upon comparison, the laboratory analytical results following TCLP testing were below laboratory method detection limits.

Copies of the laboratory analytical data report and chain of custody forms are included in Appendix E.

4.4 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 City of Detroit 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.

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:

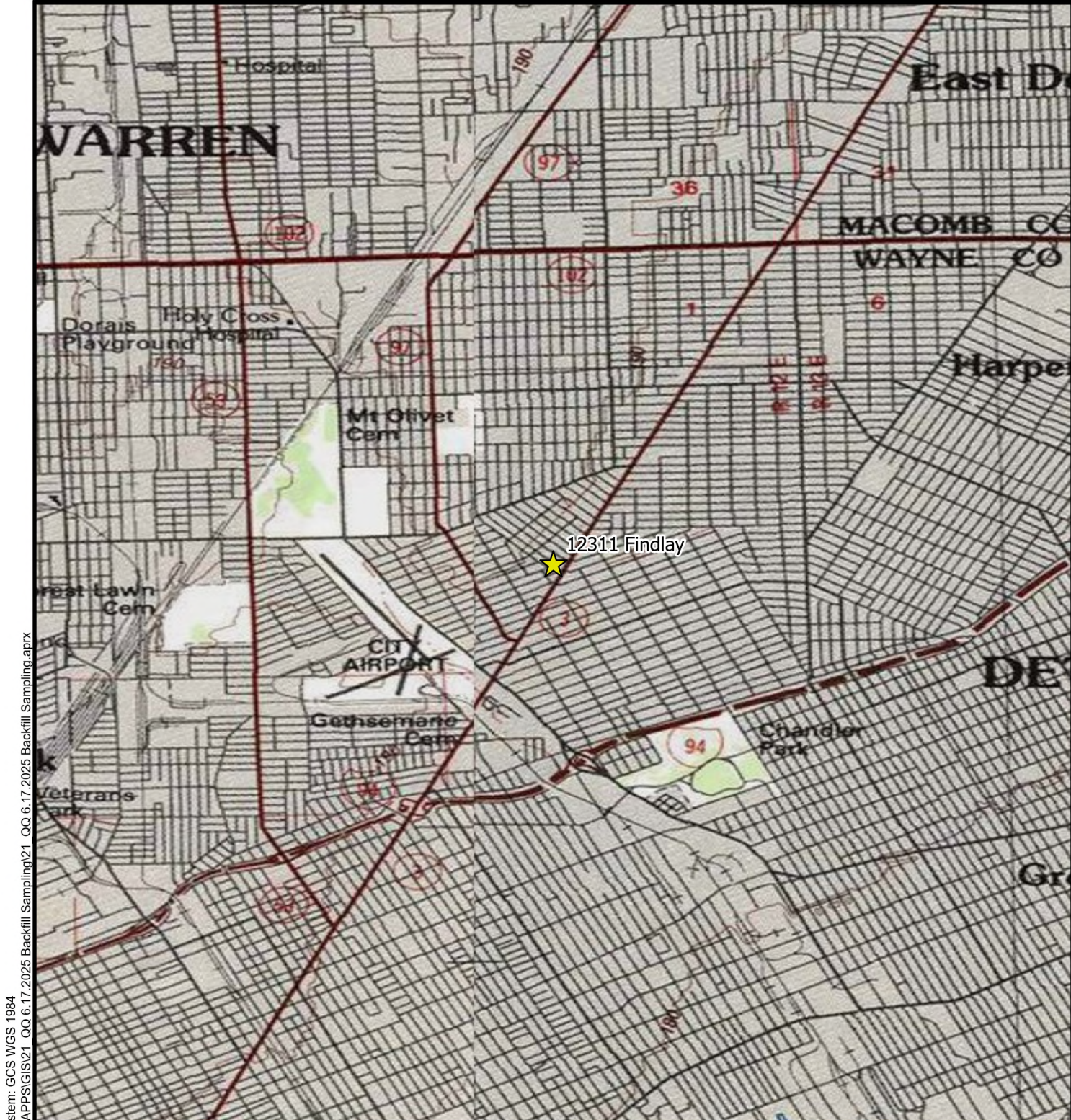
- The stratigraphy encountered during soil boring advancement of 12311 SB01, 12311 SB02, and 12311 SB03 generally consisted of two to five feet of brown to gray sand and gravelly sand with a layer of brown sandy clay from two to three feet in 12311 SB01, underlain by brown silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.0 to 7.4 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities, however, concrete, asphalt, and/or brick debris was observed in all borings.
- Concentrations of arsenic were detected in soil sample 12311 SB02 (3-4') in excess of its respective Part 201 DWPC and GSIPC. Concentrations of total chromium were detected in soil sample 12311 SB01 (1-2') in excess of its GSIPC.
- Concentrations of 1,2,4-trimethylbenzene, 4,4-DDD, 4,4-DDE, 4,4-DDT, anthracene, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chloride, chrysene, copper, fluoranthene, indeno(1,2,3-cd)pyrene, lead, mercury, phenanthrene, pyrene, total xylenes, and zinc were detected in soil samples 12311 SB01 (1-2'), 12311 SB02 (3-4'), 12311 SB03 (5-6'), and/or 12311 Findlay SB02 (3-4')-R at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- TCLP laboratory analytical results revealed that concentrations of arsenic, chromium, and pesticides were not in excess of 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste.
- PCBs 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 City of Detroit 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.

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.

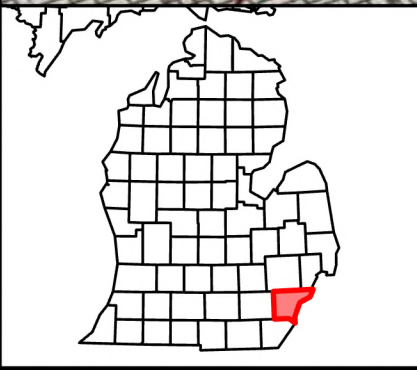
MSG warrants that no substantive information or documentation was deleted, omitted, or changed that would otherwise cause the MSG to reach a different conclusion. Furthermore, MSG understands that the COD and its agencies and authorities may rely upon the overall completeness, accuracy, and conclusions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

FIGURES





Date Saved: 9/22/2025 8:38 PM Coordinate System: GCS WGS 1984
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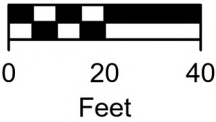
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FIGURE 1
SITE LOCATION

12311 Findlay, Detroit, MI

DATE 9/23/2025	DRAWN BY JWW	DESIGNED BY JWW	PROJECT NO. DET0060
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-  Sample Locations
-  Parcels (Current)
-  Subject Property

Notes
• Parcel boundaries are approximate
• Basemap Credits: Wayne - 2020 - 6in - 4-band:



FIGURE 2
Site Layout

12311 Findlay, Detroit, MI

DATE 9/22/2025	DRAWN BY JWW	DESIGNED BY KRB	PROJECT NO. DETR0060
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TABLES



Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
12311 Findlay, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 Units: µg/kg			Volatile Organic Compounds (VOCs)		Semivolatile Organic Compounds (SVOCs)										
			1,2,4-Trimethylbenzene	Total Xylenes	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Benzo(a)pyrene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
CAS Number			95-63-6	1330-20-7	120-12-7	56-55-3	205-99-2	207-08-9	191-24-2	50-32-8	218-01-9	206-44-0	193-39-5	85-01-8	129-00-0
Statewide Default Background Levels			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Drinking Water Protection Criteria (DWPC)			2,100	5,600	41,000	NLL	NLL	NLL	NLL	NLL	NLL	7.3E+05	NLL	56,000	4.8E+05
Groundwater Surface Water Interface Protection Criteria (GSIPC)			570	980	ID	NLL	NLL	NLL	NLL	NLL	NLL	5,500	NLL	2,100	ID
Soil Volatilization to Indoor Air Inhalation (SVIIC)			4.3E+6 (C)	6.3E+6 (C)	1.0E+09 (D)	NLV	ID	NLV	NLV	NLV	ID	1.0E+09 (D)	NLV	2.8E+06	1.0E+09 (D)
Soil Volatilization to Indoor Air Pathway (SVIAP)			150 (JT)	280 (J)	1.3E+07	1.6E+05 (MM)	NA	NA	NA	NA	NA	NA	NA	1,700	2.5E+07
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			2.1E+07	4.6E+07	1.4E+09	NLV	ID	NLV	NLV	NLV	ID	7.4E+08	NLV	1.6E+05	6.5E+08
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			5.0E+08	6.1E+07	1.4E+09	NLV	ID	NLV	NLV	NLV	ID	7.4E+08	NLV	1.6E+05	6.5E+08
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			5.0E+08	1.3E+08	1.4E+09	NLV	ID	NLV	NLV	NLV	ID	7.4E+08	NLV	1.6E+05	6.5E+08
Particulate Soil Inhalation Criteria (PSIC)			8.2E+10	2.9E+11	6.7E+10	ID	ID	ID	8.0E+08	1.5E+06	ID	9.3E+09	ID	6.7E+06	6.7E+09
Direct Contact Criteria (DCC)			3.2E+07 (C)	4.1E+08 (C)	2.3E+08	20,000	20,000	2.0E+05	2.5E+06	2,000	2.0E+06	4.6E+07	20,000	1.6E+06	2.9E+07
Soil Saturation Concentration Screening Levels (C _{sat})			1.1E+05	1.5E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Recommended Interim Action Screening Level (RIASL)			150	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SAMPLE ID	DEPTH (ft)	SAMPLE DATE													
12311 SB01	1-2	8/12/2025	<35.9	74.2	<3,600	<3,600	<3,600	<3,600	<3,600	<3,600	<3,600	<3,600	<3,600	<3,600	<3,600
12311 SB02	3-4	8/12/2025	55.2	<114	<3,700	<3,700	<3,700	<3,700	<3,700	<3,700	<3,700	<3,700	<3,700	<3,700	<3,700
12311 SB03	5-6	8/12/2025	<37.5	<112	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800
12311 Findlay SB02 - R	3-4	10/27/2025	NS	NS	470	868	1,030	470	669	868	705	1,750	832	904	1,590

Notes:
Bold indicates concentration above laboratory reporting limits.
Exceeds DWPC
Exceeds GSIPC
Exceeds Applicable Soil Vapor Inhalation screening level
Exceeds Two or More DWPC, GSIPC, and/or Applicable Soil Vapor Inhalation screening levels
Exceeds PSIC, DCC, and/or C_{sat}, likely exceeds others
ND = Not Detected above laboratory reporting limits
NS = Not Sampled or Not Analyzed
Notes in parentheses and standard abbreviations from Part 201 Rules 299.1 through 299.50, updated October 12, 2023
VIAP Screening Levels and notes from EGLE Guidance Document For The Vapor Intrusion Pathway, Appendix D.1 Vapor Intrusion Screening Values, May 2013, updated February 26, 2024

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
12311 Findlay, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 Units: µg/kg			Michigan 10 Metals										Pesticides/Herbicides			Polychlorinated Biphenyls (PCBs)	Inorganic Anions/Ions
			Arsenic	Barium (B)	Cadmium (B)	Chromium (Total)	Copper (B)	Lead (B)	Mercury (B,Z)	Selenium (B)	Silver (B)	Zinc (B)	4,4'-DDD	4,4'-DDE	4,4'-DDT		Chloride
CAS Number			7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-50-8	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	72548	72559	50-29-3	Polychlorinated Biphenyls (PCBs)	16887006
Statewide Default Background Levels			5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000	NA	NA	NA		NA
Drinking Water Protection Criteria (DWPC)			4,600	1.3E+06	6,000	30,000	5.8E+06	7.0E+05	1,700	4,000	4,500	2.4E+06	NLL	NLL	NLL		5.00E+06
Groundwater Surface Water Interface Protection Criteria (GSIPC)			4,600	(G)	(G,X)	3,300	(G)	(G,X)	50 (M); 1.2	400	100 (M); 27	(G)	NLL	NLL	NLL		(X)
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV	NLV	NLV	NLV		NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)			NA	NA	NA	--	NA	NA	22 (M)	NA	NA	NA	NLV	NA	--		--
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV	NLV	NLV		NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV	NLV	NLV		NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV	NLV	NLV		NLV
Particulate Soil Inhalation Criteria (PSIC)			7.2E+05	3.3E+08	1.7E+06	2.6E+05	1.3E+08	1.0E+08	2.0E+07	1.3E+08	6.7E+06	ID	4.4E+07	3.20E+07	3.20E+07		ID
Direct Contact Criteria (DCC)			7,600	3.7E+07	5.5E+05	2.5E+06	2.0E+07	4.0E+05	1.6E+05	2.6E+06	2.5E+06	1.7E+08	95,000	45,000	57,000		5.0E+5 (F)
Soil Saturation Concentration Screening Levels (C _{sat})			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
Recommended Interim Action Screening Level (RIASL)			NA	NA	NA	NA	NA	NA	2.7E-02	NA	NA	NA	NA	NA	--		--
SAMPLE ID	DEPTH (ft)	SAMPLE DATE															
12311 SB01	1-2	8/12/2025	3,940	43,400	<1,160	23,100	16,400	21,700	22.8	<2,910	<2,910	54,600	<5.5	24	16	ND	38,000
12311 SB02	3-4	8/12/2025	6,060	58,700	<1,300	16,600	14,900	17,400	<20.0	<3,240	<3,240	78,400	2.6	20	2.2	ND	73,200
12311 SB03	5-6	8/12/2025	5,040	35,500	<1,210	12,400	11,800	10,000	<20.0	<3,020	<3,020	38,300	<5.5	<5.5	<5.5	ND	<10,700
12311 Findlay SB02 - R	3-4	10/27/2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<169	<174	<176	NS	NS

Notes:
Bold indicates concentration above laboratory reporting limits.
Exceeds DWPC
Exceeds GSIPC
Exceeds Applicable Soil Vapor Inhalation screening level
Exceeds Two or More DWPC, GSIPC, and/or Applicable Soil Vapor Inhalation screening levels
Exceeds PSIC, DCC, and/or Csat, likely exceeds others
ND = Not Detected above laboratory reporting limits
NS = Not Sampled or Not Analyzed
Notes in parentheses and standard abbreviations from Part 201 Rules 299.1 through 299.50, updated October 12, 2023
VIAP Screening Levels and notes from EGLE Guidance Document For The Vapor Intrusion Pathway, Appendix D.1 Vapor Intrusion Screening Values, May 2013, updated February 26, 2024

Table 2
TCLP Analytical Detection Summary

Table 2
TCLP Analytical Detection Summary

Detroit Backfill Sampling
12311 Findlay, Detroit, Michigan

40 C.F.R. § 261.24 Code of Federal Regulations Title 40 - Protection of Environment Chapter I - Environmental Protection Agency Subchapter I - Solid Wastes Part 261- Identification and Listing of Hazardous Waste Subpart C - Characteristics of Hazardous Waste <i>Units: mg/L</i>		TCLP Metals		TCLP Pesticides						
		Arsenic	Chromium	Chlordane, Technical	Endrin	Lindane	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
Maximum Concentration of Contaminants for the Toxicity Characteristic		5.00	5.00	-	0.002	0.4	0.008	0.008	10.0	0.5
SAMPLE ID	SAMPLE DATE									
12311 Findlay SB01 TCLP	10/13/2025	<0.00190	<0.00610	NS	NS	NS	NS	NS	NS	NS
12311 Findlay SB02 (3-4')-R	10/27/2025	NS	NS	0.0000333	0.00000833	0.00000814	0.00000744	0.00000776	0.00000968	0.000108

Notes:
Bold indicates concentration above method detection limits.
Exceeds Maximum Concentration of Contaminates for the Toxicity Characteristic

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 will 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 REPORTS





DAILY FIELD REPORT

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

Report No.: 1
Job No.: DETR0060

Date: <u>08/12/2025</u>	Day: <u>Tuesday</u>	Temp: <u>80 ° F</u> (AM) <u>N/A</u> (PM)
MSG Personnel: <u>SRK, BM</u>	Cloud Cover: <u>60%</u> (AM) <u>N/A</u> (PM)	Precip.: <u>N/A</u> (AM) <u>N/A</u> (PM)
Personnel: <u>MSG</u>		
MSG Hours On-Site: <u>~ 1 hours</u>		

Contractors Information		
Contractor: <u>MSG</u>	No. Men and Type: <u>2; Operator/Geologist</u>	Equipment Type: <u>Geoprobe 7822DT</u>

Summary of Work Performed:
- Advanced three (3) onsite soil borings to a maximum depth of 6 feet below ground surface (bgs) - Collected soil samples from each soil boring (from the interval with the greatest potential to be impacted based on field indicators).

Field Notes:
1050 – SRK and BM onsite (12311 Findlay Avenue) 1052 – Unloaded equipment and marked boring locations 1059 – Began drilling SB01 1101 – Finished drilling SB01 1103 – Began drilling SB02 1105 – Finished drilling SB02 1105 – Sampled 12311 SB01 (1-2) 1107 – Began drilling SB03 1110 – Finished drilling SB03 1118 – Sampled 12311 SB02 (3-4) 1134 – Sampled 12311 SB03 (5-6) 1136 – Packed up equipment 1140 – MSG off site

Supporting Documentation					
Photograph Taken	Yes ☒	No ☐	Samples Collected	Yes ☒	No ☐
Photo Log Attached	Yes ☒	No ☐	COC Attached	Yes ☒	No ☐
			Boring/MW Logs	Yes ☒	No ☐
			Field Note Book Taken	Yes ☒	No ☐
Problem Identification and Corrective Measures					
N/A					
Resolved? Yes ☐ No ☐					

**DAILY FIELD REPORT**

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

Report No.: 2
Job No.: DETR0060

Date: 10/13/2025	Day: Monday	Temp: 50 ° F	(AM)	N/A	(PM)
MSG Personnel: SRK, JF		Cloud Cover: 0%	(AM)	N/A	(PM)
		Precip.: N/A	(AM)	N/A	(PM)
Personnel: MSG					
MSG Hours On-Site: ~ 0.5 hours					
Contractors Information					
Contractor: MSG		No. Men and Type: 2; Operator/Geologist		Equipment Type: Geoprobe 7822DT	
Summary of Work Performed:					
- Advanced one (1) onsite soil borings to a maximum depth of 6 feet below ground surface (bgs) - Collected TCLP of fill material from soil boring (composite sample of from zero to 6 feet bgs).					
Field Notes:					
0925 – MSG (SRK, JF) onsite (12311 Findlay) 0927 – Attempted to locate previous boring locations. Marked out new boring location. 0935 – Began drilling SB01 TCLP 0937 – Finished drilling SB01 TCLP 0942 – Sampled 12311 Findlay SB01 TCLP 0950 – Collected GPS points 0957 – Packed up equipment 1000 – MSG off site					

Supporting Documentation								
Photograph Taken	Yes ☒	No ☐	Samples Collected	Yes ☒	No ☐	Boring/MW Logs	Yes ☒	No ☐
Photo Log Attached	Yes ☒	No ☐	COC Attached	Yes ☒	No ☐	Field Note Book Taken	Yes ☒	No ☐
Problem Identification and Corrective Measures								
N/A								
Resolved? Yes ☐ No ☐								

**DAILY FIELD REPORT**

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

Report No.: 3
Job No.: DETR0060

Date: 10/27/2025	Day: Monday	Temp: 59 ° F	(AM)	N/A	(PM)
MSG Personnel: WRD, BSM, OMM		Cloud Cover: 0%	(AM)	N/A	(PM)
		Precip.: N/A	(AM)	N/A	(PM)
Personnel: MSG					
MSG Hours On-Site: ~ 0.5 hours					
Contractors Information					
Contractor: MSG		No. Men and Type: 3; Operator/2xGeologist		Equipment Type: Geoprobe 7822DT	
Summary of Work Performed:					
- Advanced one (1) onsite soil borings to a maximum depth of 4 feet below ground surface (bgs) - Collected soil sample from soil boring (from the interval 3-4' to analyze for Pesticides, Herbicides, & SVOCs).					
Field Notes:					
1342 – MSG (WRD, BSM) onsite (12311 Findlay) 1348 – Attempted to locate previous boring locations. Marked out new boring location. 1352 – Began drilling SB02 (3-4')-R 1402 – Finished drilling SB02 (3-4')-R 1437– Sampled 12311 Findlay SB02 (3-4')-R 1444 – Packed up equipment 1512 – MSG off site					

Supporting Documentation								
Photograph Taken	Yes ☒	No ☐	Samples Collected	Yes ☒	No ☐	Boring/MW Logs	Yes ☐	No ☒
Photo Log Attached	Yes ☒	No ☐	COC Attached	Yes ☒	No ☐	Field Note Book Taken	Yes ☐	No ☒
Problem Identification and Corrective Measures								
N/A								
Resolved? Yes ☐ No ☐								

APPENDIX C

INVESTIGATION PHOTOGRAPHS





Photo 1: View of Site at the time of initial soil boring activities



Photo 2: Viewing 12311 SB01 Drilling, Facing Northeast.



Photo 3: Viewing 12311 SB01 Soils, Facing Northwest.



Photo 4: Viewing 12311 SB02 Drilling, Facing Northeast.



Photo 5: Viewing 12311 SB02 Soils, Facing Northwest.



Photo 6: Viewing 12311 SB03 Drilling, Facing Northeast.



Photo 7: Viewing 12311 SB03 Soils, Facing Northwest.



Photo 8: View of Site at the time of TCLP soil boring activities



Photo 9: View of TCLP soil boring location



Photo 10: View of soil recovery at the time of TCLP sampling

APPENDIX D

SOIL BORING LOGS





The Mannik & Smith Group, Inc.
2365 Haggerty Rd South Canton, MI 48188
ph: 734-397-3100 fax: 734-397-3131
www.manniksmithgroup.com

BORING ID: SB01

PAGE 1 OF 1

CLIENT <u>City of Detroit</u>	PROJECT NAME <u>12311 Findlay</u>
PROJECT NUMBER <u>DETR0060</u>	PROJECT LOCATION <u>12311 Findlay Ave, Detroit, Michigan</u>
DATE STARTED <u>8/12/25</u> COMPLETED <u>8/12/25</u>	BORING DIAMETER: <u>3.25 inches</u>
DRILLING CONTRACTOR <u>MSG</u>	SURVEY COORDINATES: <u>N/A</u>
DRILLING METHOD <u>Direct Push</u>	GROUND SURFACE ELEV.: <u>N/A</u>
LOGGED BY <u>SRK</u> CHECKED BY <u>PDH</u>	GROUND WATER ENCOUNTERED DURING DRILLING: <u>Not Encountered</u>
NOTES	WATER LEVEL AFTER DRILLING: <u>N/A</u>

ENV BORING LOG (PID) - GINT STD US LAB.GDT - 8/20/25 13:48 - W:\PROJECTS\PROJECTS A-EDETR0060\ADMIN\23_QQ 7.25.2025 BACKFILL SAMPLING (48 SITES)\12311 FINDLAYBORING LOGS\DETR0060_12311.GPJ

DEPTH (FEET)	SAMPLE TYPE NUMBER	RECOVERY (FEET)	GRAPHIC LOG	DEPTH (FEET)	MATERIAL DESCRIPTION	PID (ppm)	LABORATORY SAMPLE	REMARKS
0								
					Brown SAND, some gravel	7.4		Collected soil sample 12311 SB01 (1-2) at 11:05
				2.0	Brown Sandy CLAY, some gravel	5.0		
				3.0	Some concrete debris at 2.5 feet bgs	0.8		
					Dark Brown to Gray SAND, some gravel	0.7		
						0.5		
5					Some concrete debris at 5.5 feet bgs	2.1		
				6.0	Bottom of borehole at 6.0 feet.			

DEPTH (FEET)	SAMPLE TYPE NUMBER	RECOVERY (FEET)	GRAPHIC LOG	DEPTH (FEET)	MATERIAL DESCRIPTION	PID (ppm)	LABORATORY SAMPLE	REMARKS
0	MC 1	2.5			Brown and Gray Gravelly SAND, some clay	0.0		Collected soil sample 12311 SB02 (3-4) at 11:18
					1.1			
					0.4			
					0.8	Some concrete debris at 3.5 feet bgs		
5					6.0	Brown Silty CLAY, some sand, little gravel Some asphalt debris at 4.5 feet bgs		
					0.8			
					Bottom of borehole at 6.0 feet.			

APPENDIX E
LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY FORMS





right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order

HN2511329

Client

The Mannik & Smith Group, Inc.

Project

12311_Findlay

Project Date

August 13, 2025

Reporting Contact

Ryan Montri



right solutions.
right partner.

September 02, 2025

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

Work Order: **HN2511329**

Re: **12311_Findlay**

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

Bill Carey
/S/ **BILL CAREY**
Project Manager



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay

Work Order: HN2511329
Date Received: 13-Aug-2025

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 13-Aug-2025. 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.

Inorganics

EPA 9056A-S (High)

Run ID: 3405747

Matrix spike duplicate value was outside upper limit of calibration. Processed at equivalent dilution level as the parent. C,S
Matrix spike value was outside upper limit of calibration. Processed at equivalent dilution level as the parent. C,S

Metals

EPA 6020B-3050B-S

Run ID: 3410807

The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: Ba Batch 2165859
The MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Cr, K, Sr, Zn Batch 2165859
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: Ca, Fe, Mn Batch 2165859
The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba Batch 2165859
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: Ca, Fe, Mn Batch 2165859
The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Ag batch 2165859
HN2511329-001: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-001: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-001: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-002: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-002: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-002: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay

Work Order: HN2511329
Date Received: 13-Aug-2025

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.

Run ID: 3410807

HN2511329-003: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-003: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511329-003: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

Run ID: 3413394

The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: Se, Ag Batch 2165868
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: Mg Batch 2165859
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: As, Cr, Ni, Zn Batch 2165868
The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Mg, Ag Batch 2165868
The MS recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Se Batch 2165868
The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Si Batch 2165859
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: As, Cr, Ni, Zn Batch 2165868
The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Mg, Si Batch 2165868
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: Mg Batch 2165859
The MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Na Batch 2165868
The MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for the following analyte(s): Se, Si Batch 2165868
The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Si Batch 2165859

Organics

EPA 8260D-FULL HN-5035A-10mL-S

Run ID: 3411034

The following analytes failed calibration refit conditions. All samples in this batch were non-detect. No qualification is necessary for these analytes: chloroethane

The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trichlorofluoromethane

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: 12311 SB01 (1-2)	Lab ID: HN2511329-001
------------------------------------	------------------------------

Analyte	Results	Flag	MRL	Units	Method
Arsenic	3.94		2.91	mg/kg	EPA 6020B
Barium	43.4		2.91	mg/kg	EPA 6020B
Chloride	38.0		11.2	mg/kg	EPA 9056A
Chromium	23.1		2.91	mg/kg	EPA 6020B
Copper	16.4		2.91	mg/kg	EPA 6020B
Lead	21.7		2.91	mg/kg	EPA 6020B
m+p-Xylene	74.2		71.8	µg/kg	EPA 8260D
Mercury	0.0228		0.0202	mg/kg	EPA 7471B
Percent Moisture	9.4		0.1	%	EPA 3550C
Subcontract Analysis	See attached.			-	EPA 8151A
Subcontract Analysis	See attached.			-	EPA 8081B
Subcontract Analysis	See attached.			-	EPA 8082A
Subcontract Analysis	See attached.			-	EPA 8270E
Zinc	54.6		5.83	mg/kg	EPA 6020B

CLIENT ID: 12311 SB02 (3-4)	Lab ID: HN2511329-002
------------------------------------	------------------------------

Analyte	Results	Flag	MRL	Units	Method
1,2,4-Trimethylbenzene	55.2		38.1	µg/kg	EPA 8260D
Arsenic	6.06		3.24	mg/kg	EPA 6020B
Barium	58.7		3.24	mg/kg	EPA 6020B
Chloride	73.2		11.1	mg/kg	EPA 9056A
Chromium	16.6		3.24	mg/kg	EPA 6020B
Copper	14.9		3.24	mg/kg	EPA 6020B
Lead	17.4		3.24	mg/kg	EPA 6020B
Percent Moisture	10.5		0.1	%	EPA 3550C
Subcontract Analysis	See attached.			-	EPA 8151A
Subcontract Analysis	See attached.			-	EPA 8081B
Subcontract Analysis	See attached.			-	EPA 8082A
Subcontract Analysis	See attached.			-	EPA 8270E
Zinc	78.4		6.48	mg/kg	EPA 6020B

CLIENT ID: 12311 SB03 (5-6)	Lab ID: HN2511329-003
------------------------------------	------------------------------

Analyte	Results	Flag	MRL	Units	Method
Arsenic	5.04		3.02	mg/kg	EPA 6020B
Barium	35.5		3.02	mg/kg	EPA 6020B
Chromium	12.4		3.02	mg/kg	EPA 6020B
Copper	11.8		3.02	mg/kg	EPA 6020B
Lead	10.0		3.02	mg/kg	EPA 6020B
Percent Moisture	9.3		0.1	%	EPA 3550C
Subcontract Analysis	See attached.			-	EPA 8151A
Subcontract Analysis	See attached.			-	EPA 8081B

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: 12311 SB03 (5-6)

Lab ID: HN2511329-003

Analyte	Results	Flag	MRL	Units	Method
Subcontract Analysis	See attached.			-	EPA 8082A
Subcontract Analysis	See attached.			-	EPA 8270E
Zinc	38.3		6.05	mg/kg	EPA 6020B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Workorder: HN2511329

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2511329-001	12311 SB01 (1-2)	SOIL/SOLID	08/12/25 11:05	08/13/25 08:00
HN2511329-002	12311 SB02 (3-4)	SOIL/SOLID	08/12/25 11:18	08/13/25 08:00
HN2511329-003	12311 SB03 (5-6)	SOIL/SOLID	08/12/25 11:34	08/13/25 08:00



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

Customer Information			Project Information					Parameter/Method Request for Analysis												
Purchase Order		Project Name	12311_Findlay					A	VOCs (U.S. EPA Method 8260C (or Method 8260))											
Work Order		Project Number	DETR0060					B	SVOCs (U.S. EPA Method 8270D (or Method 8270))											
Company Name	The Mannik and Smith Group		Bill To Company	The Mannik and Smith Group					C	PCBs (U.S. EPA Method 8082)										
Send Report To	Ryan Montri		Invoice Attn.						D	Mi 10 Metals (U.S. EPA 6000/7000 Series Methods)										
Address	2365 Haggerty Rd South Suite 100		Address	2365 Haggerty Rd South Suite 100					E	Chorides (U.S. EPA Method 9056A)										
									F	Pesticides (U.S. EPA Method 8081B (or Method 8081))										
City/State/Zip	Canton, MI 48188		City/State/Zip	Canton, MI 48188					G	Herbicides (U.S. EPA Method 8151A (or Method 8151))										
Phone	734-397-3100		Phone	734-397-3100					H											
Fax			Fax						I											
e-Mail Address	RMontri@manniksmithgroup.com		e-Mail Address:						J											
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold			
1	12311 SB01 (1-2)	8/12/25	11:05	Soil	7	3	X	X	X	X	X	X	X							
2	12311 SB02 (3-4)	8/12/25	11:18	Soil	7	3	X	X	X	X	X	X	X							
3	12311 SB03 (5-6)	8/12/25	11:34	Soil	7	3	X	X	X	X	X	X	X							
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Sampler(s): Please Print & Sign Shannon Kaczmarek		Shipment Method:		Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour				Results Due Date:			
Relinquished by: Shannon Kaczmarek		Date: 8/12/25	Time: 3:27pm	Received by: Colin		Notes: Quote# HN-061825-M&S-MA					
Relinquished by: Colin		Date: 8/12/25	Time: 17:00	Received by (Laboratory): QS		Cooler Temp. 5.0°C ± 0.6		QC Package: (Check Box Below)			
Logged by (Laboratory): BC		Date: 8/13/25	Time: 04:48	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: _____			

Environmental Division
Holland
Work Order Reference
HN2511329

Telephone : +1 616 399 6070

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 Sample Receiving Checklist

Received by:

BC

Date/Time:

8/13/25 0800

Carrier Name:

AS

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):

5.6°C I

Thermometer(s):

IR6

Sample(s) received on ice?

☒ Yes / No

Matrix/Matrices:

in ice Soil

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

8/13/25 09:15

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 Reporting Limit
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.

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	12/17/2024	12/31/2025
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	11/14/2024	12/31/2025
Indiana	Drinking Water (Secondary)	C-MI-08	12/31/2024	09/04/2026
Iowa	State Specific	403	09/18/2023	09/01/2025
Kansas	NELAP (Secondary)	E-10411	07/09/2024	07/31/2025
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	06/24/2024	06/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2024	6/30/2025
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	06/14/2024	07/31/2025
Texas	NELAP (Secondary)	T104704494	02/12/2025	01/31/2026
USDA	Domestic CA	Soil-MI-007	02/06/2025	08/07/2026
USDA	Soil Import	525-23-62-77572	03/03/2023	03/03/2026
West Virginia	State Specific	355	06/07/2025	08/31/2026
Wisconsin	State Specific	399084510	08/15/2024	08/31/2025

¹ - Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay

Work Order: HN2511329

Sample Name: 12311 SB01 (1-2)
Laboratory Code: HN2511329-001
Sample Matrix: SOIL/SOLID

Date Collected: 08/12/25
Date Received: 08/13/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AC	2163519		3405611	Everett Chudy
EPA 6020B	EPA 3050B	001-AC	2165859	Weston Kotecki	3410807	Bill Carey
EPA 6020B	EPA 3050B	001-AC	2165859	Weston Kotecki	3413394	Bill Carey
EPA 7471B	Method	001-AC	2162145	Maxx Richey	3405106	Bill Carey
EPA 8081B		001-AD			3453343	Bill Carey
EPA 8082A		001-AD			3453343	Bill Carey
EPA 8151A		001-AD			3453343	Bill Carey
EPA 8260D	EPA 5035A	001-AA	2166541	Jonathan Vazquez	3411034	Bill Carey
EPA 8260D	EPA 5035A	001-AA	2157395	Jonathan Vazquez	3404740	Bill Carey
EPA 8270E		001-AD			3453343	Bill Carey
EPA 9056A	EPA 9056A	001-AC	2163170	Sage Hansen	3405747	Bill Carey

Sample Name: 12311 SB02 (3-4)
Laboratory Code: HN2511329-002
Sample Matrix: SOIL/SOLID

Date Collected: 08/12/25
Date Received: 08/13/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		002-AC	2163519		3405611	Everett Chudy
EPA 6020B	EPA 3050B	002-AC	2165859	Weston Kotecki	3410807	Bill Carey
EPA 6020B	EPA 3050B	002-AC	2165859	Weston Kotecki	3413394	Bill Carey
EPA 7471B	Method	002-AC	2162145	Maxx Richey	3405106	Bill Carey
EPA 8081B		002-AD			3453343	Bill Carey
EPA 8082A		002-AD			3453343	Bill Carey
EPA 8151A		002-AD			3453343	Bill Carey
EPA 8260D	EPA 5035A	002-AA	2166541	Jonathan Vazquez	3411034	Bill Carey
EPA 8260D	EPA 5035A	002-AA	2157395	Jonathan Vazquez	3404740	Bill Carey
EPA 8270E		002-AD			3453343	Bill Carey
EPA 9056A	EPA 9056A	002-AC	2163170	Sage Hansen	3405747	Bill Carey

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay

Work Order: HN2511329

Sample Name: 12311 SB03 (5-6)
Laboratory Code: HN2511329-003
Sample Matrix: SOIL/SOLID

Date Collected: 08/12/25
Date Received: 08/13/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		003-AC	2163519		3405611	Everett Chudy
EPA 6020B	EPA 3050B	003-AC	2165859	Weston Kotecki	3410807	Bill Carey
EPA 6020B	EPA 3050B	003-AC	2165859	Weston Kotecki	3413394	Bill Carey
EPA 7471B	Method	003-AC	2162145	Maxx Richey	3405106	Bill Carey
EPA 8081B		003-AD			3453343	Bill Carey
EPA 8082A		003-AD			3453343	Bill Carey
EPA 8151A		003-AD			3453343	Bill Carey
EPA 8260D	EPA 5035A	003-AA	2166541	Jonathan Vazquez	3411034	Bill Carey
EPA 8260D	EPA 5035A	003-AA	2157395	Jonathan Vazquez	3404740	Bill Carey
EPA 8270E		003-AD			3453343	Bill Carey
EPA 9056A	EPA 9056A	003-AC	2163170	Sage Hansen	3405747	Bill Carey

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:05
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB01 (1-2) **Lab ID: HN2511329-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	9.4		%	0.1	1	08/15/25 17:10	NA
Chloride	EPA 9056A	38.0		mg/kg	11.2	1	08/15/25 20:10	08/15/25 15:56
Metals								
Arsenic	EPA 6020B	3.94		mg/kg	2.91	10	08/18/25 21:05	08/18/25 09:54
Barium	EPA 6020B	43.4		mg/kg	2.91	10	08/18/25 21:05	08/18/25 09:54
Cadmium	EPA 6020B	ND		mg/kg	1.16	10	08/18/25 21:05	08/18/25 09:54
Chromium	EPA 6020B	23.1		mg/kg	2.91	10	08/18/25 21:05	08/18/25 09:54
Copper	EPA 6020B	16.4		mg/kg	2.91	10	08/19/25 17:23	08/18/25 09:54
Lead	EPA 6020B	21.7		mg/kg	2.91	10	08/18/25 21:05	08/18/25 09:54
Selenium	EPA 6020B	ND		mg/kg	2.91	10	08/18/25 21:05	08/18/25 09:54
Silver	EPA 6020B	ND		mg/kg	2.91	10	08/18/25 21:05	08/18/25 09:54
Zinc	EPA 6020B	54.6		mg/kg	5.83	10	08/18/25 21:05	08/18/25 09:54
Mercury	EPA 7471B	0.0228		mg/kg	0.0202	1	08/18/25 11:26	08/15/25 14:35
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8082A	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8151A	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8270E	See attached.		-		1	08/31/25 16:44	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:05
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB01 (1-2) **Lab ID: HN2511329-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	71.8	1	08/18/25 16:29	08/18/25 14:26
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	239	1	08/18/25 16:29	08/18/25 14:26
2-Hexanone	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Acetone	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
Benzene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Bromochloromethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Bromodichloromethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Bromoform	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Carbon disulfide	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Carbon tetrachloride	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Chlorobenzene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Chlorodibromomethane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
Chloroform	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	71.8	1	08/18/25 16:29	08/18/25 14:26
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Cyclohexane	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
Ethylbenzene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Isopropylbenzene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:05
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB01 (1-2)	Lab ID: HN2511329-001
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	74.2		µg/kg	71.8	1	08/18/25 16:29	08/18/25 14:26
Methyl acetate	EPA 8260D	ND		µg/kg	299	1	08/18/25 16:29	08/18/25 14:26
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	120	1	08/18/25 16:29	08/18/25 14:26
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Methylcyclohexane	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	299	1	08/18/25 16:29	08/18/25 14:26
o-Xylene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Styrene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Toluene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Total Xylene	EPA 8260D	ND		µg/kg	108	1	08/18/25 16:29	08/18/25 14:26
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	35.9	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	98.4		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	95.1		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	88.6		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	100		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:18
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB02 (3-4)	Lab ID: HN2511329-002
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	10.5		%	0.1	1	08/15/25 17:10	NA
Chloride	EPA 9056A	73.2		mg/kg	11.1	1	08/15/25 20:19	08/15/25 15:56
Metals								
Arsenic	EPA 6020B	6.06		mg/kg	3.24	10	08/18/25 21:06	08/18/25 09:54
Barium	EPA 6020B	58.7		mg/kg	3.24	10	08/18/25 21:06	08/18/25 09:54
Cadmium	EPA 6020B	ND		mg/kg	1.30	10	08/18/25 21:06	08/18/25 09:54
Chromium	EPA 6020B	16.6		mg/kg	3.24	10	08/18/25 21:06	08/18/25 09:54
Copper	EPA 6020B	14.9		mg/kg	3.24	10	08/19/25 17:24	08/18/25 09:54
Lead	EPA 6020B	17.4		mg/kg	3.24	10	08/18/25 21:06	08/18/25 09:54
Selenium	EPA 6020B	ND		mg/kg	3.24	10	08/18/25 21:06	08/18/25 09:54
Silver	EPA 6020B	ND		mg/kg	3.24	10	08/18/25 21:06	08/18/25 09:54
Zinc	EPA 6020B	78.4		mg/kg	6.48	10	08/18/25 21:06	08/18/25 09:54
Mercury	EPA 7471B	ND		mg/kg	0.0200	1	08/18/25 11:28	08/15/25 14:35
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8082A	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8151A	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8270E	See attached.		-		1	08/31/25 16:44	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
1,2,4-Trimethylbenzene	EPA 8260D	55.2		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:18
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB02 (3-4)

Lab ID: HN2511329-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	76.2	1	08/18/25 16:29	08/18/25 14:26
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	254	1	08/18/25 16:29	08/18/25 14:26
2-Hexanone	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Acetone	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
Benzene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Bromochloromethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Bromodichloromethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Bromoform	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Carbon disulfide	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Carbon tetrachloride	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Chlorobenzene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Chlorodibromomethane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
Chloroform	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	76.2	1	08/18/25 16:29	08/18/25 14:26
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Cyclohexane	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
Ethylbenzene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Isopropylbenzene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:18
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB02 (3-4)	Lab ID: HN2511329-002
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	76.2	1	08/18/25 16:29	08/18/25 14:26
Methyl acetate	EPA 8260D	ND		µg/kg	317	1	08/18/25 16:29	08/18/25 14:26
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	127	1	08/18/25 16:29	08/18/25 14:26
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Methylcyclohexane	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	317	1	08/18/25 16:29	08/18/25 14:26
o-Xylene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Styrene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Toluene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Total Xylene	EPA 8260D	ND		µg/kg	114	1	08/18/25 16:29	08/18/25 14:26
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	38.1	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	101		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	93.2		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	85.6		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	97.5		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:34
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB03 (5-6)	Lab ID: HN2511329-003
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	9.3		%	0.1	1	08/15/25 17:10	NA
Chloride	EPA 9056A	ND		mg/kg	10.7	1	08/15/25 20:29	08/15/25 15:56
Metals								
Arsenic	EPA 6020B	5.04		mg/kg	3.02	10	08/18/25 21:08	08/18/25 09:54
Barium	EPA 6020B	35.5		mg/kg	3.02	10	08/18/25 21:08	08/18/25 09:54
Cadmium	EPA 6020B	ND		mg/kg	1.21	10	08/18/25 21:08	08/18/25 09:54
Chromium	EPA 6020B	12.4		mg/kg	3.02	10	08/18/25 21:08	08/18/25 09:54
Copper	EPA 6020B	11.8		mg/kg	3.02	10	08/19/25 17:29	08/18/25 09:54
Lead	EPA 6020B	10.0		mg/kg	3.02	10	08/18/25 21:08	08/18/25 09:54
Selenium	EPA 6020B	ND		mg/kg	3.02	10	08/18/25 21:08	08/18/25 09:54
Silver	EPA 6020B	ND		mg/kg	3.02	10	08/18/25 21:08	08/18/25 09:54
Zinc	EPA 6020B	38.3		mg/kg	6.05	10	08/18/25 21:08	08/18/25 09:54
Mercury	EPA 7471B	ND		mg/kg	0.0200	1	08/18/25 11:29	08/15/25 14:35
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8082A	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8151A	See attached.		-		1	08/31/25 16:44	NA
Subcontract Analysis	EPA 8270E	See attached.		-		1	08/31/25 16:44	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:34
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB03 (5-6)	Lab ID: HN2511329-003
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	75.0	1	08/18/25 16:29	08/18/25 14:26
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	250	1	08/18/25 16:29	08/18/25 14:26
2-Hexanone	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Acetone	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
Benzene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Bromochloromethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Bromodichloromethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Bromoform	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Carbon disulfide	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Carbon tetrachloride	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Chlorobenzene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Chlorodibromomethane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
Chloroform	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	75.0	1	08/18/25 16:29	08/18/25 14:26
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Cyclohexane	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
Ethylbenzene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Isopropylbenzene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 12311_Findlay
Matrix: SOIL/SOLID

Work Order: HN2511329
Date Collected: 08/12/25 11:34
Date Received: 08/13/25 08:00

CLIENT ID: 12311 SB03 (5-6)	Lab ID: HN2511329-003
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	75.0	1	08/18/25 16:29	08/18/25 14:26
Methyl acetate	EPA 8260D	ND		µg/kg	312	1	08/18/25 16:29	08/18/25 14:26
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	125	1	08/18/25 16:29	08/18/25 14:26
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Methylcyclohexane	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	312	1	08/18/25 16:29	08/18/25 14:26
o-Xylene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Styrene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Toluene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Total Xylene	EPA 8260D	ND		µg/kg	112	1	08/18/25 16:29	08/18/25 14:26
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	37.5	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	98.8		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	95.3		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	92.3		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	102		%REC	80-120	1	08/18/25 16:29	08/18/25 14:26



November 20, 2025

Service Request No:R2510157

Bill Carey
ALS Environmental - Holland
3352 128th Avenue
Holland, MI 49424

Laboratory Results for: 12311_Findley

Dear Bill,

Enclosed are the results of the sample(s) submitted to our laboratory August 20, 2025
For your reference, these analyses have been assigned our service request number **R2510157**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS

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ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Received: 08/20/2025

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:

Three soil samples were received for analysis at ALS Environmental on 08/20/2025. 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.

Semivolatiles by GC/MS:

Method 8270E, 890799: The reporting limit is elevated for one or more analytes. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. The extract was highly colored and viscous, which indicated the need to perform a dilution prior to injection into the instrument. The result(s) are flagged to indicate the matrix interference.

Method 8270E, 08/25/2025: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270E, 891027: The reporting limit is elevated for one or more analytes. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. The extract was highly colored and viscous, which indicated the need to perform a dilution prior to injection into the instrument. The result(s) are flagged to indicate the matrix interference.

Semivolatile GC:

Method 8081B, 08/26/2025: The control limits were exceeded for analytes in the Continuing Calibration Verification (CCV). The QC failure was most likely due to the composition of the sample(s) immediately preceding the failing CCV. In order to protect the integrity of the instrument, no further corrective action was taken. Results should be considered estimated.

General Chemistry:

No significant anomalies were noted with this analysis.

Approved by 

Date 11/20/2025



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: 12311 SB02 (3-4)	Lab ID: R2510157-002
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Analyte	Results	Flag	MDL	MRL	Units	Method
4,4'-DDD	2.6		0.93	1.9	ug/Kg	8081B
4,4'-DDE	20		0.93	1.9	ug/Kg	8081B
4,4'-DDT	2.2	P	0.93	1.9	ug/Kg	8081B
Total Solids	89.5				Percent	ALS SOP

CLIENT ID: 12311 SB01 (1-2)	Lab ID: R2510157-001
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Analyte	Results	Flag	MDL	MRL	Units	Method
4,4'-DDE	24		2.8	5.5	ug/Kg	8081B
4,4'-DDT	16		2.8	5.5	ug/Kg	8081B
Benz(a)anthracene	770	J	540	3600	ug/Kg	8270E
Benzo(b)fluoranthene	1000	J	610	3600	ug/Kg	8270E
Chrysene	800	J	540	3600	ug/Kg	8270E
Fluoranthene	1500	J	910	3600	ug/Kg	8270E
Phenanthrene	570	J	510	3600	ug/Kg	8270E
Pyrene	1300	J	600	3600	ug/Kg	8270E
Total Solids	90.6				Percent	ALS SOP

CLIENT ID: 12311 SB03 (5-6)	Lab ID: R2510157-003
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Analyte	Results	Flag	MDL	MRL	Units	Method
4,4'-DDE	5.1	J	2.8	5.5	ug/Kg	8081B
Total Solids	90.7				Percent	ALS SOP



Sample Receipt Information

ALS Environmental—Rochester Laboratory

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Client: ALS Environmental - US
Project: 12311_Findley

Service Request:R2510157

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2510157-001	12311 SB01 (1-2)	8/12/2025	1105
R2510157-002	12311 SB02 (3-4)	8/12/2025	1118
R2510157-003	12311 SB03 (5-6)	8/12/2025	1134

ALS Group USA, Corp.

3352 128th Ave Holland Michigan 49424 United States
T+1 616 399 6070 | F



right solutions.
right partner.

Subcontract Chain of Custody

SAMPLING STATE:

COC ID: HN2511329

Subcontract To:

Rochester - Environmental TEL: +1 585 288 5380
1565 Jefferson Road, Building 300, Suite 360 FAX:
Rochester New York 14623

Due Date: 08/22/2025

Analysis Report Format: ALS Standard – Level II

Electronic Data Deliverable:

Customer Information		Project Information		Parameter/Method Request for Analysis						
Purchase Order		Project Name	12311_Findlay	A	EPA 8081B-3546-S (INT SUB)					
Work Order	HN2511329			B	EPA 8082A-3546-S (INT SUB)					
Company Name	Holland - Environmental	Bill To Company	Holland - Environmental	C	EPA 8151A-S (INT SUB)					
Send Report To	Bill Carey	Inv Attn	Accounts Payable	D	EPA 8270E-TCL-3546-S (INT SUB)					
Address	3352 128th Ave	Address	3352 128th Ave	E						
				F						
City/State/Zip	Holland Michigan 49424	City/State/Zip	Holland Michigan 49424	G						
Phone	+1 616 399 6070	Phone	+1 616 399 6070	H						
Fax		Fax		I						
Email Address	bill.carey@alsglobal.com			J						

ALS Sample ID	Client Sample ID	Matrix	Collection Date	Bottle	A	B	C	D	E	F	G	H	I	J
HN2511329-001	12311 SB01 (1-2)	Soil/Solid	08/12/2025 11:05	001-AD	x	x	x	x						
HN2511329-002	12311 SB02 (3-4)	Soil/Solid	08/12/2025 11:18	002-AD	x	x	x	x						
HN2511329-003	12311 SB03 (5-6)	Soil/Solid	08/12/2025 11:34	003-AD	x	x	x	x						

Relinquished by	Date Time	Received by	Date Time	Cooler ID's _____ _____ _____
Relinquished by	Date Time	Received by	Date Time	
Sampled by				

R2510157 5

ALS Environmental - Holland
12311_Findlay





Cooler Receipt and Preservation Check Form

R2510157

5

ALS Environmental - Holland
12311 Findley

Project/Client _____ Folder Number _____

Cooler received on 8/20/25 by: RMCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>(N)</u>
2	Custody papers properly completed (ink, signed)?	<u>(Y)</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>(Y)</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>(Y)</u> N

5a	Did VOA vials have sig* bubbles?	Y N <u>(NA)</u>
5b	Sig* bubbles: Alk? Y N <u>(NA)</u> Sulfide? Y N <u>(NA)</u>	
6	Where did the bottles originate?	ALS/ROC <u>(CLIENT)</u>
7	Soil VOA received as: Bulk Encore 5035set	<u>(NA)</u>

8. Temperature Readings Date: 8/20/25 Time: 10:01 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Temp (°C)	<u>4.2</u>	<u>4.5</u>	<u>5.5</u>				
Within 0-6°C?	<u>(Y)</u> N	<u>(Y)</u> N	<u>(Y)</u> N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SMO by RM on 8/20 at 12:16
 5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 8/20/25 Time: 15:21 by: MM

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? (YES) NO
 10. Did all bottle labels and tags agree with custody papers? (YES) NO
 11. Were correct containers used for the tests indicated? (YES) NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
 13. Were dissolved metals filtered in the field? YES NO (N/A)
 14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 062325-15R

Explain all Discrepancies/ Other Comments: _____

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: MM

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Texas ID#T104704581
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to <https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx>.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: ALS Environmental - US
Project: 12311_Findley

Service Request: R2510157

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8270E	Soil	1-Methylnaphthalene
ALS SOP	Soil	Total Solids

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Analyst Summary report

Client: ALS Environmental - US
Project: 12311_Findley/

Service Request: R2510157

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001
Sample Matrix: Soil

Date Collected: 08/12/25
Date Received: 08/20/25

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8270E	JVANHEYNINGEN	AMOSSES
ALS SOP		CKUTZER

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002
Sample Matrix: Soil

Date Collected: 08/12/25
Date Received: 08/20/25

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8270E	JVANHEYNINGEN	AMOSSES
ALS SOP		CKUTZER

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003
Sample Matrix: Soil

Date Collected: 08/12/25
Date Received: 08/20/25

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8270E	JVANHEYNINGEN	AMOSSES
ALS SOP		CKUTZER



PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7 / 200.8	200.2
6010D	3005A/3010A
6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010D	3050B
6010D TCLP (1311) extract	3005A/3010A
6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":

For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.



Sample Results

ALS Environmental—Rochester Laboratory

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Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:05
Date Received: 08/20/25 09:30

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	810 U	3600	810	10	08/25/25 11:26	8/21/25	
1-Methylnaphthalene	670 U	3600	670	10	08/25/25 11:26	8/21/25	
2-Methylnaphthalene	1300 U	3600	1300	10	08/25/25 11:26	8/21/25	
Acenaphthene	690 U	3600	690	10	08/25/25 11:26	8/21/25	
Acenaphthylene	730 U	3600	730	10	08/25/25 11:26	8/21/25	
Anthracene	610 U	3600	610	10	08/25/25 11:26	8/21/25	
Benz(a)anthracene	770 J	3600	540	10	08/25/25 11:26	8/21/25	
Benzo(a)pyrene	960 U	3600	960	10	08/25/25 11:26	8/21/25	
Benzo(b)fluoranthene	1000 J	3600	610	10	08/25/25 11:26	8/21/25	
Benzo(g,h,i)perylene	830 U	3600	830	10	08/25/25 11:26	8/21/25	
1,4-Dichlorobenzene	610 U	3600	610	10	08/25/25 11:26	8/21/25	
Benzo(k)fluoranthene	590 U	3600	590	10	08/25/25 11:26	8/21/25	
Biphenyl	1100 U	3600	1100	10	08/25/25 11:26	8/21/25	
Chrysene	800 J	3600	540	10	08/25/25 11:26	8/21/25	
1,4-Dioxane	360 U	730	360	10	08/25/25 11:26	8/21/25	
Dibenz(a,h)anthracene	790 U	3600	790	10	08/25/25 11:26	8/21/25	
Dibenzofuran	660 U	3600	660	10	08/25/25 11:26	8/21/25	
Fluoranthene	1500 J	3600	910	10	08/25/25 11:26	8/21/25	
Fluorene	680 U	3600	680	10	08/25/25 11:26	8/21/25	
Indeno(1,2,3-cd)pyrene	1200 U	3600	1200	10	08/25/25 11:26	8/21/25	
Naphthalene	680 U	3600	680	10	08/25/25 11:26	8/21/25	
Phenanthrene	570 J	3600	510	10	08/25/25 11:26	8/21/25	
Pyrene	1300 J	3600	600	10	08/25/25 11:26	8/21/25	
2,3,4,6-Tetrachlorophenol	1300 U	3600	1300	10	08/25/25 11:26	8/21/25	
2,4,5-Trichlorophenol	890 U	3600	890	10	08/25/25 11:26	8/21/25	
2,4,6-Trichlorophenol	810 U	3600	810	10	08/25/25 11:26	8/21/25	
2,4-Dichlorophenol	700 U	3600	700	10	08/25/25 11:26	8/21/25	
2,4-Dimethylphenol	650 U	3600	650	10	08/25/25 11:26	8/21/25	
2,4-Dinitrophenol	6200 U	19000	6200	10	08/25/25 11:26	8/21/25	
2,4-Dinitrotoluene	1400 U	3600	1400	10	08/25/25 11:26	8/21/25	
2,6-Dinitrotoluene	790 U	3600	790	10	08/25/25 11:26	8/21/25	
2-Chloronaphthalene	730 U	3600	730	10	08/25/25 11:26	8/21/25	
2-Chlorophenol	610 U	3600	610	10	08/25/25 11:26	8/21/25	
2-Methylphenol	750 U	3600	750	10	08/25/25 11:26	8/21/25	
2-Nitroaniline	860 U	19000	860	10	08/25/25 11:26	8/21/25	
2-Nitrophenol	840 U	3600	840	10	08/25/25 11:26	8/21/25	
3,3'-Dichlorobenzidine	1400 U	3600	1400	10	08/25/25 11:26	8/21/25	
3- and 4-Methylphenol Coelution	690 U	3600	690	10	08/25/25 11:26	8/21/25	
3-Nitroaniline	730 U	19000	730	10	08/25/25 11:26	8/21/25	
4,6-Dinitro-2-methylphenol	2100 U	19000	2100	10	08/25/25 11:26	8/21/25	
4-Bromophenyl Phenyl Ether	950 U	3600	950	10	08/25/25 11:26	8/21/25	
4-Chloro-3-methylphenol	730 U	3600	730	10	08/25/25 11:26	8/21/25	
4-Chloroaniline	1400 U	3600	1400	10	08/25/25 11:26	8/21/25	

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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:05
Date Received: 08/20/25 09:30

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	780 U	3600	780	10	08/25/25 11:26	8/21/25	
4-Nitroaniline	780 U	19000	780	10	08/25/25 11:26	8/21/25	
4-Nitrophenol	1900 U	19000	1900	10	08/25/25 11:26	8/21/25	
Acetophenone	1100 U	3600	1100	10	08/25/25 11:26	8/21/25	
Atrazine	1100 U	3600	1100	10	08/25/25 11:26	8/21/25	
Benzaldehyde	880 U	19000	880	10	08/25/25 11:26	8/21/25	
Benzoic Acid	5700 U	19000	5700	10	08/25/25 11:26	8/21/25	
Bis(1-chloroisopropyl) Ether	740 U	3600	740	10	08/25/25 11:26	8/21/25	
Bis(2-chloroethoxy)methane	890 U	3600	890	10	08/25/25 11:26	8/21/25	
Bis(2-chloroethyl) Ether	720 U	3600	720	10	08/25/25 11:26	8/21/25	
Bis(2-ethylhexyl) Phthalate	660 U	5500	660	10	08/25/25 11:26	8/21/25	
Butyl Benzyl Phthalate	1100 U	3600	1100	10	08/25/25 11:26	8/21/25	
Caprolactam	800 U	3600	800	10	08/25/25 11:26	8/21/25	
Carbazole	590 U	3600	590	10	08/25/25 11:26	8/21/25	
Di-n-butyl Phthalate	590 U	3600	590	10	08/25/25 11:26	8/21/25	
Di-n-octyl Phthalate	1300 U	3600	1300	10	08/25/25 11:26	8/21/25	
Diethyl Phthalate	650 U	3600	650	10	08/25/25 11:26	8/21/25	
Dimethyl Phthalate	690 U	3600	690	10	08/25/25 11:26	8/21/25	
Hexachlorobenzene	870 U	3600	870	10	08/25/25 11:26	8/21/25	
Hexachlorobutadiene	1300 U	3600	1300	10	08/25/25 11:26	8/21/25	
Hexachlorocyclopentadiene	1200 U	3600	1200	10	08/25/25 11:26	8/21/25	
Hexachloroethane	680 U	3600	680	10	08/25/25 11:26	8/21/25	
Isophorone	760 U	3600	760	10	08/25/25 11:26	8/21/25	
N-Nitrosodi-n-propylamine	1200 U	3600	1200	10	08/25/25 11:26	8/21/25	
N-Nitrosodiphenylamine	2300 U	3600	2300	10	08/25/25 11:26	8/21/25	
Nitrobenzene	650 U	3600	650	10	08/25/25 11:26	8/21/25	
Pentachlorophenol (PCP)	3600 U	19000	3600	10	08/25/25 11:26	8/21/25	
Phenol	730 U	3600	730	10	08/25/25 11:26	8/21/25	
Pyridine	490 U	19000	490	10	08/25/25 11:26	8/21/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	71	18 - 104	08/25/25 11:26	
Nitrobenzene-d5	69	12 - 98	08/25/25 11:26	
p-Terphenyl-d14	85	26 - 134	08/25/25 11:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:18
Date Received: 08/20/25 09:30

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	670 U	3700	670	10	08/25/25 11:50	8/21/25	
1,2,4,5-Tetrachlorobenzene	810 U	3700	810	10	08/25/25 11:50	8/21/25	
2-Methylnaphthalene	1300 U	3700	1300	10	08/25/25 11:50	8/21/25	
Acenaphthene	690 U	3700	690	10	08/25/25 11:50	8/21/25	
Acenaphthylene	740 U	3700	740	10	08/25/25 11:50	8/21/25	
Anthracene	610 U	3700	610	10	08/25/25 11:50	8/21/25	
Benz(a)anthracene	550 U	3700	550	10	08/25/25 11:50	8/21/25	
Benzo(a)pyrene	970 U	3700	970	10	08/25/25 11:50	8/21/25	
Benzo(b)fluoranthene	610 U	3700	610	10	08/25/25 11:50	8/21/25	
Benzo(g,h,i)perylene	840 U	3700	840	10	08/25/25 11:50	8/21/25	
1,4-Dichlorobenzene	610 U	3700	610	10	08/25/25 11:50	8/21/25	
Benzo(k)fluoranthene	590 U	3700	590	10	08/25/25 11:50	8/21/25	
Biphenyl	1100 U	3700	1100	10	08/25/25 11:50	8/21/25	
Chrysene	540 U	3700	540	10	08/25/25 11:50	8/21/25	
1,4-Dioxane	360 U	740	360	10	08/25/25 11:50	8/21/25	
Dibenz(a,h)anthracene	800 U	3700	800	10	08/25/25 11:50	8/21/25	
Dibenzofuran	670 U	3700	670	10	08/25/25 11:50	8/21/25	
Fluoranthene	920 U	3700	920	10	08/25/25 11:50	8/21/25	
Fluorene	690 U	3700	690	10	08/25/25 11:50	8/21/25	
Indeno(1,2,3-cd)pyrene	1200 U	3700	1200	10	08/25/25 11:50	8/21/25	
Naphthalene	690 U	3700	690	10	08/25/25 11:50	8/21/25	
Phenanthrene	520 U	3700	520	10	08/25/25 11:50	8/21/25	
Pyrene	610 U	3700	610	10	08/25/25 11:50	8/21/25	
2,3,4,6-Tetrachlorophenol	1300 U	3700	1300	10	08/25/25 11:50	8/21/25	
2,4,5-Trichlorophenol	900 U	3700	900	10	08/25/25 11:50	8/21/25	
2,4,6-Trichlorophenol	820 U	3700	820	10	08/25/25 11:50	8/21/25	
2,4-Dichlorophenol	710 U	3700	710	10	08/25/25 11:50	8/21/25	
2,4-Dimethylphenol	660 U	3700	660	10	08/25/25 11:50	8/21/25	
2,4-Dinitrophenol	6200 U	19000	6200	10	08/25/25 11:50	8/21/25	
2,4-Dinitrotoluene	1400 U	3700	1400	10	08/25/25 11:50	8/21/25	
2,6-Dinitrotoluene	800 U	3700	800	10	08/25/25 11:50	8/21/25	
2-Chloronaphthalene	730 U	3700	730	10	08/25/25 11:50	8/21/25	
2-Chlorophenol	610 U	3700	610	10	08/25/25 11:50	8/21/25	
2-Methylphenol	760 U	3700	760	10	08/25/25 11:50	8/21/25	
2-Nitroaniline	870 U	19000	870	10	08/25/25 11:50	8/21/25	
2-Nitrophenol	850 U	3700	850	10	08/25/25 11:50	8/21/25	
3,3'-Dichlorobenzidine	1400 U	3700	1400	10	08/25/25 11:50	8/21/25	
3- and 4-Methylphenol Coelution	700 U	3700	700	10	08/25/25 11:50	8/21/25	
3-Nitroaniline	740 U	19000	740	10	08/25/25 11:50	8/21/25	
4,6-Dinitro-2-methylphenol	2100 U	19000	2100	10	08/25/25 11:50	8/21/25	
4-Bromophenyl Phenyl Ether	960 U	3700	960	10	08/25/25 11:50	8/21/25	
4-Chloro-3-methylphenol	740 U	3700	740	10	08/25/25 11:50	8/21/25	
4-Chloroaniline	1400 U	3700	1400	10	08/25/25 11:50	8/21/25	

ALS Group USA, Corp.
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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:18
Date Received: 08/20/25 09:30

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	780 U	3700	780	10	08/25/25 11:50	8/21/25	
4-Nitroaniline	790 U	19000	790	10	08/25/25 11:50	8/21/25	
4-Nitrophenol	1900 U	19000	1900	10	08/25/25 11:50	8/21/25	
Acetophenone	1100 U	3700	1100	10	08/25/25 11:50	8/21/25	
Atrazine	1100 U	3700	1100	10	08/25/25 11:50	8/21/25	
Benzaldehyde	880 U	19000	880	10	08/25/25 11:50	8/21/25	
Benzoic Acid	5800 U	19000	5800	10	08/25/25 11:50	8/21/25	
Bis(1-chloroisopropyl) Ether	750 U	3700	750	10	08/25/25 11:50	8/21/25	
Bis(2-chloroethoxy)methane	890 U	3700	890	10	08/25/25 11:50	8/21/25	
Bis(2-chloroethyl) Ether	720 U	3700	720	10	08/25/25 11:50	8/21/25	
Bis(2-ethylhexyl) Phthalate	670 U	5500	670	10	08/25/25 11:50	8/21/25	
Butyl Benzyl Phthalate	1100 U	3700	1100	10	08/25/25 11:50	8/21/25	
Caprolactam	810 U	3700	810	10	08/25/25 11:50	8/21/25	
Carbazole	590 U	3700	590	10	08/25/25 11:50	8/21/25	
Di-n-butyl Phthalate	590 U	3700	590	10	08/25/25 11:50	8/21/25	
Di-n-octyl Phthalate	1300 U	3700	1300	10	08/25/25 11:50	8/21/25	
Diethyl Phthalate	650 U	3700	650	10	08/25/25 11:50	8/21/25	
Dimethyl Phthalate	700 U	3700	700	10	08/25/25 11:50	8/21/25	
Hexachlorobenzene	880 U	3700	880	10	08/25/25 11:50	8/21/25	
Hexachlorobutadiene	1300 U	3700	1300	10	08/25/25 11:50	8/21/25	
Hexachlorocyclopentadiene	1200 U	3700	1200	10	08/25/25 11:50	8/21/25	
Hexachloroethane	690 U	3700	690	10	08/25/25 11:50	8/21/25	
Isophorone	760 U	3700	760	10	08/25/25 11:50	8/21/25	
N-Nitrosodi-n-propylamine	1200 U	3700	1200	10	08/25/25 11:50	8/21/25	
N-Nitrosodiphenylamine	2300 U	3700	2300	10	08/25/25 11:50	8/21/25	
Nitrobenzene	650 U	3700	650	10	08/25/25 11:50	8/21/25	
Pentachlorophenol (PCP)	3700 U	19000	3700	10	08/25/25 11:50	8/21/25	
Phenol	740 U	3700	740	10	08/25/25 11:50	8/21/25	
Pyridine	490 U	19000	490	10	08/25/25 11:50	8/21/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	68	18 - 104	08/25/25 11:50	
Nitrobenzene-d5	70	12 - 98	08/25/25 11:50	
p-Terphenyl-d14	89	26 - 134	08/25/25 11:50	

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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:34
Date Received: 08/20/25 09:30

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	340 U	1800	340	5	08/21/25 21:46	8/21/25	
1,2,4,5-Tetrachlorobenzene	410 U	1800	410	5	08/21/25 21:46	8/21/25	
2-Methylnaphthalene	640 U	1800	640	5	08/21/25 21:46	8/21/25	
Acenaphthene	350 U	1800	350	5	08/21/25 21:46	8/21/25	
Acenaphthylene	370 U	1800	370	5	08/21/25 21:46	8/21/25	
Anthracene	310 U	1800	310	5	08/21/25 21:46	8/21/25	
Benz(a)anthracene	270 U	1800	270	5	08/21/25 21:46	8/21/25	
Benzo(a)pyrene	490 U	1800	490	5	08/21/25 21:46	8/21/25	
Benzo(b)fluoranthene	310 U	1800	310	5	08/21/25 21:46	8/21/25	
Benzo(g,h,i)perylene	420 U	1800	420	5	08/21/25 21:46	8/21/25	
Benzo(k)fluoranthene	300 U	1800	300	5	08/21/25 21:46	8/21/25	
1,4-Dichlorobenzene	310 U	1800	310	5	08/21/25 21:46	8/21/25	
Biphenyl	540 U	1800	540	5	08/21/25 21:46	8/21/25	
Chrysene	270 U	1800	270	5	08/21/25 21:46	8/21/25	
1,4-Dioxane	180 U	370	180	5	08/21/25 21:46	8/21/25	
Dibenz(a,h)anthracene	400 U	1800	400	5	08/21/25 21:46	8/21/25	
Dibenzofuran	330 U	1800	330	5	08/21/25 21:46	8/21/25	
Fluoranthene	460 U	1800	460	5	08/21/25 21:46	8/21/25	
Fluorene	340 U	1800	340	5	08/21/25 21:46	8/21/25	
Indeno(1,2,3-cd)pyrene	590 U	1800	590	5	08/21/25 21:46	8/21/25	
Naphthalene	340 U	1800	340	5	08/21/25 21:46	8/21/25	
Phenanthrene	260 U	1800	260	5	08/21/25 21:46	8/21/25	
Pyrene	310 U	1800	310	5	08/21/25 21:46	8/21/25	
2,3,4,6-Tetrachlorophenol	640 U	1800	640	5	08/21/25 21:46	8/21/25	
2,4,5-Trichlorophenol	450 U	1800	450	5	08/21/25 21:46	8/21/25	
2,4,6-Trichlorophenol	410 U	1800	410	5	08/21/25 21:46	8/21/25	
2,4-Dichlorophenol	350 U	1800	350	5	08/21/25 21:46	8/21/25	
2,4-Dimethylphenol	330 U	1800	330	5	08/21/25 21:46	8/21/25	
2,4-Dinitrophenol	3100 U	9400	3100	5	08/21/25 21:46	8/21/25	
2,4-Dinitrotoluene	700 U	1800	700	5	08/21/25 21:46	8/21/25	
2,6-Dinitrotoluene	400 U	1800	400	5	08/21/25 21:46	8/21/25	
2-Chloronaphthalene	370 U	1800	370	5	08/21/25 21:46	8/21/25	
2-Chlorophenol	310 U	1800	310	5	08/21/25 21:46	8/21/25	
2-Methylphenol	380 U	1800	380	5	08/21/25 21:46	8/21/25	
2-Nitroaniline	430 U	9400	430	5	08/21/25 21:46	8/21/25	
2-Nitrophenol	430 U	1800	430	5	08/21/25 21:46	8/21/25	
3,3'-Dichlorobenzidine	670 U	1800	670	5	08/21/25 21:46	8/21/25	
3- and 4-Methylphenol Coelution	350 U	1800	350	5	08/21/25 21:46	8/21/25	
3-Nitroaniline	370 U	9400	370	5	08/21/25 21:46	8/21/25	
4,6-Dinitro-2-methylphenol	1100 U	9400	1100	5	08/21/25 21:46	8/21/25	
4-Bromophenyl Phenyl Ether	480 U	1800	480	5	08/21/25 21:46	8/21/25	
4-Chloro-3-methylphenol	370 U	1800	370	5	08/21/25 21:46	8/21/25	
4-Chloroaniline	670 U	1800	670	5	08/21/25 21:46	8/21/25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:34
Date Received: 08/20/25 09:30

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	390 U	1800	390	5	08/21/25 21:46	8/21/25	
4-Nitroaniline	400 U	9400	400	5	08/21/25 21:46	8/21/25	
4-Nitrophenol	940 U	9400	940	5	08/21/25 21:46	8/21/25	
Acetophenone	530 U	1800	530	5	08/21/25 21:46	8/21/25	
Atrazine	540 U	1800	540	5	08/21/25 21:46	8/21/25	
Benzaldehyde	440 U	9400	440	5	08/21/25 21:46	8/21/25	
Benzoic Acid	2900 U	9400	2900	5	08/21/25 21:46	8/21/25	
Bis(1-chloroisopropyl) Ether	380 U	1800	380	5	08/21/25 21:46	8/21/25	
Bis(2-chloroethoxy)methane	450 U	1800	450	5	08/21/25 21:46	8/21/25	
Bis(2-chloroethyl) Ether	360 U	1800	360	5	08/21/25 21:46	8/21/25	
Bis(2-ethylhexyl) Phthalate	340 U	2800	340	5	08/21/25 21:46	8/21/25	
Butyl Benzyl Phthalate	530 U	1800	530	5	08/21/25 21:46	8/21/25	
Caprolactam	400 U	1800	400	5	08/21/25 21:46	8/21/25	
Carbazole	300 U	1800	300	5	08/21/25 21:46	8/21/25	
Di-n-butyl Phthalate	300 U	1800	300	5	08/21/25 21:46	8/21/25	
Di-n-octyl Phthalate	640 U	1800	640	5	08/21/25 21:46	8/21/25	
Diethyl Phthalate	330 U	1800	330	5	08/21/25 21:46	8/21/25	
Dimethyl Phthalate	350 U	1800	350	5	08/21/25 21:46	8/21/25	
Hexachlorobenzene	440 U	1800	440	5	08/21/25 21:46	8/21/25	
Hexachlorobutadiene	640 U	1800	640	5	08/21/25 21:46	8/21/25	
Hexachlorocyclopentadiene	580 U	1800	580	5	08/21/25 21:46	8/21/25	
Hexachloroethane	340 U	1800	340	5	08/21/25 21:46	8/21/25	
Isophorone	380 U	1800	380	5	08/21/25 21:46	8/21/25	
N-Nitrosodi-n-propylamine	560 U	1800	560	5	08/21/25 21:46	8/21/25	
N-Nitrosodiphenylamine	1200 U	1800	1200	5	08/21/25 21:46	8/21/25	
Nitrobenzene	330 U	1800	330	5	08/21/25 21:46	8/21/25	
Pentachlorophenol (PCP)	1800 U	9400	1800	5	08/21/25 21:46	8/21/25	
Phenol	370 U	1800	370	5	08/21/25 21:46	8/21/25	
Pyridine	250 U	9400	250	5	08/21/25 21:46	8/21/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	68	18 - 104	08/21/25 21:46	
Nitrobenzene-d5	64	12 - 98	08/21/25 21:46	
p-Terphenyl-d14	88	26 - 134	08/21/25 21:46	



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:05
Date Received: 08/20/25 09:30

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001

Units: ug/Kg
Basis: Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
4,4'-DDE	24	5.5	2.8	1	08/26/25 12:06	8/24/25	
4,4'-DDT	16	5.5	2.8	1	08/26/25 12:06	8/24/25	
Aldrin	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Chlordane	14 U	27	14	1	08/26/25 12:06	8/24/25	
Dieldrin	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Endosulfan I	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Endosulfan II	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Endosulfan Sulfate	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Endrin	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Endrin Aldehyde	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Endrin Ketone	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Heptachlor	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Heptachlor Epoxide	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Methoxychlor	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
Toxaphene	62 U	110	62	1	08/26/25 12:06	8/24/25	
alpha-BHC	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
alpha-Chlordane	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
beta-BHC	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
delta-BHC	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
gamma-BHC (Lindane)	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	
gamma-Chlordane	2.8 U	5.5	2.8	1	08/26/25 12:06	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	70	10 - 159	08/26/25 12:06	
Tetrachloro-m-xylene	58	10 - 132	08/26/25 12:06	

ALS Group USA, Corp.
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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:18
Date Received: 08/20/25 09:30

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002

Units: ug/Kg
Basis: Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	2.6	1.9	0.93	1	08/26/25 12:23	8/24/25	
4,4'-DDE	20	1.9	0.93	1	08/26/25 12:23	8/24/25	
4,4'-DDT	2.2 P	1.9	0.93	1	08/26/25 12:23	8/24/25	
Aldrin	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Chlordane	4.7 U	9.2	4.7	1	08/26/25 12:23	8/24/25	
Dieldrin	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Endosulfan I	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Endosulfan II	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Endosulfan Sulfate	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Endrin	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Endrin Aldehyde	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Endrin Ketone	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Heptachlor	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Heptachlor Epoxide	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Methoxychlor	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
Toxaphene	21 U	36	21	1	08/26/25 12:23	8/24/25	
alpha-BHC	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
alpha-Chlordane	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
beta-BHC	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
delta-BHC	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
gamma-BHC (Lindane)	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	
gamma-Chlordane	0.93 U	1.9	0.93	1	08/26/25 12:23	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	56	10 - 159	08/26/25 12:23	
Tetrachloro-m-xylene	46	10 - 132	08/26/25 12:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:34
Date Received: 08/20/25 09:30

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003

Units: ug/Kg
Basis: Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
4,4'-DDE	5.1 J	5.5	2.8	1	08/26/25 12:41	8/24/25	
4,4'-DDT	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Aldrin	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Chlordane	14 U	27	14	1	08/26/25 12:41	8/24/25	
Dieldrin	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Endosulfan I	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Endosulfan II	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Endosulfan Sulfate	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Endrin	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Endrin Aldehyde	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Endrin Ketone	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Heptachlor	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Heptachlor Epoxide	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Methoxychlor	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
Toxaphene	62 U	110	62	1	08/26/25 12:41	8/24/25	
alpha-BHC	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
alpha-Chlordane	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
beta-BHC	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
delta-BHC	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
gamma-BHC (Lindane)	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	
gamma-Chlordane	2.8 U	5.5	2.8	1	08/26/25 12:41	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 159	08/26/25 12:41	
Tetrachloro-m-xylene	44	10 - 132	08/26/25 12:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:05
Date Received: 08/20/25 09:30

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	56 U	110	56	1	08/25/25 19:21	8/24/25	
Aroclor 1221	85 U	220	85	1	08/25/25 19:21	8/24/25	
Aroclor 1232	62 U	110	62	1	08/25/25 19:21	8/24/25	
Aroclor 1242	56 U	110	56	1	08/25/25 19:21	8/24/25	
Aroclor 1248	59 U	110	59	1	08/25/25 19:21	8/24/25	
Aroclor 1254	56 U	110	56	1	08/25/25 19:21	8/24/25	
Aroclor 1260	56 U	110	56	1	08/25/25 19:21	8/24/25	
Aroclor 1262	56 U	110	56	1	08/25/25 19:21	8/24/25	
Aroclor 1268	56 U	110	56	1	08/25/25 19:21	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	65	10 - 138	08/25/25 19:21	
Tetrachloro-m-xylene	52	11 - 122	08/25/25 19:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:18
Date Received: 08/20/25 09:30

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	19 U	36	19	1	08/25/25 19:34	8/24/25	
Aroclor 1221	29 U	74	29	1	08/25/25 19:34	8/24/25	
Aroclor 1232	21 U	36	21	1	08/25/25 19:34	8/24/25	
Aroclor 1242	19 U	36	19	1	08/25/25 19:34	8/24/25	
Aroclor 1248	20 U	36	20	1	08/25/25 19:34	8/24/25	
Aroclor 1254	19 U	36	19	1	08/25/25 19:34	8/24/25	
Aroclor 1260	19 U	36	19	1	08/25/25 19:34	8/24/25	
Aroclor 1262	19 U	36	19	1	08/25/25 19:34	8/24/25	
Aroclor 1268	19 U	36	19	1	08/25/25 19:34	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	57	10 - 138	08/25/25 19:34	
Tetrachloro-m-xylene	41	11 - 122	08/25/25 19:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:34
Date Received: 08/20/25 09:30

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	56 U	110	56	1	08/25/25 20:15	8/24/25	
Aroclor 1221	85 U	220	85	1	08/25/25 20:15	8/24/25	
Aroclor 1232	62 U	110	62	1	08/25/25 20:15	8/24/25	
Aroclor 1242	56 U	110	56	1	08/25/25 20:15	8/24/25	
Aroclor 1248	59 U	110	59	1	08/25/25 20:15	8/24/25	
Aroclor 1254	56 U	110	56	1	08/25/25 20:15	8/24/25	
Aroclor 1260	56 U	110	56	1	08/25/25 20:15	8/24/25	
Aroclor 1262	56 U	110	56	1	08/25/25 20:15	8/24/25	
Aroclor 1268	56 U	110	56	1	08/25/25 20:15	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 138	08/25/25 20:15	
Tetrachloro-m-xylene	43	11 - 122	08/25/25 20:15	

ALS Group USA, Corp.
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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:05
Date Received: 08/20/25 09:30

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	6.6 U	13	6.6	1	08/27/25 03:12	8/25/25	
2,4,5-TP	5.9 U	13	5.9	1	08/27/25 03:12	8/25/25	
2,4-D	8.5 U	13	8.5	1	08/27/25 03:12	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	50	10 - 151	08/27/25 03:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:18
Date Received: 08/20/25 09:30

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	5.6 U	11	5.6	1	08/27/25 03:30	8/25/25	
2,4,5-TP	5.1 U	11	5.1	1	08/27/25 03:30	8/25/25	
2,4-D	7.3 U	11	7.3	1	08/27/25 03:30	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	54	10 - 151	08/27/25 03:30	

ALS Group USA, Corp.
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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: 08/12/25 11:34
Date Received: 08/20/25 09:30

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	5.5 U	11	5.5	1	08/27/25 03:49	8/25/25	
2,4,5-TP	4.9 U	11	4.9	1	08/27/25 03:49	8/25/25	
2,4-D	7.1 U	11	7.1	1	08/27/25 03:49	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	36	10 - 151	08/27/25 03:49	



General Chemistry

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Sample Name: 12311 SB01 (1-2)
Lab Code: R2510157-001

Service Request: R2510157
Date Collected: 08/12/25 11:05
Date Received: 08/20/25 09:30

Basis: As Received

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	90.6	Percent	-	-	1	08/29/25 10:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Sample Name: 12311 SB02 (3-4)
Lab Code: R2510157-002

Service Request: R2510157
Date Collected: 08/12/25 11:18
Date Received: 08/20/25 09:30

Basis: As Received

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	89.5	Percent	-	-	1	08/29/25 10:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Sample Name: 12311 SB03 (5-6)
Lab Code: R2510157-003

Service Request: R2510157
Date Collected: 08/12/25 11:34
Date Received: 08/20/25 09:30

Basis: As Received

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	90.7	Percent	-	-	1	08/29/25 10:00	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Semivolatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Extraction Method: EPA 3546

Sample Name	Lab Code	2-Fluorobiphenyl	Nitrobenzene-d5	p-Terphenyl-d14
		18 - 104	12 - 98	26 - 134
12311 SB01 (1-2)	R2510157-001	71	69	85
12311 SB02 (3-4)	R2510157-002	68	70	89
12311 SB03 (5-6)	R2510157-003	68	64	88
Method Blank	RQ2511066-01	54	51	70
Lab Control Sample	RQ2511066-02	61	52	75
Duplicate Lab Control Sample	RQ2511066-03	58	50	74

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2511066-01

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	61 U	330	61	1	08/21/25 13:25	8/21/25	
1,2,4,5-Tetrachlorobenzene	74 U	330	74	1	08/21/25 13:25	8/21/25	
2-Methylnaphthalene	120 U	330	120	1	08/21/25 13:25	8/21/25	
Acenaphthene	63 U	330	63	1	08/21/25 13:25	8/21/25	
Acenaphthylene	67 U	330	67	1	08/21/25 13:25	8/21/25	
Anthracene	55 U	330	55	1	08/21/25 13:25	8/21/25	
Benz(a)anthracene	49 U	330	49	1	08/21/25 13:25	8/21/25	
Benzo(a)pyrene	88 U	330	88	1	08/21/25 13:25	8/21/25	
Benzo(b)fluoranthene	55 U	330	55	1	08/21/25 13:25	8/21/25	
Benzo(g,h,i)perylene	76 U	330	76	1	08/21/25 13:25	8/21/25	
Benzo(k)fluoranthene	54 U	330	54	1	08/21/25 13:25	8/21/25	
1,4-Dichlorobenzene	55 U	330	55	1	08/21/25 13:25	8/21/25	
Biphenyl	98 U	330	98	1	08/21/25 13:25	8/21/25	
Chrysene	49 U	330	49	1	08/21/25 13:25	8/21/25	
1,4-Dioxane	32 U	67	32	1	08/21/25 13:25	8/21/25	
Dibenz(a,h)anthracene	72 U	330	72	1	08/21/25 13:25	8/21/25	
Dibenzofuran	60 U	330	60	1	08/21/25 13:25	8/21/25	
Fluoranthene	83 U	330	83	1	08/21/25 13:25	8/21/25	
Fluorene	62 U	330	62	1	08/21/25 13:25	8/21/25	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	08/21/25 13:25	8/21/25	
Naphthalene	62 U	330	62	1	08/21/25 13:25	8/21/25	
Phenanthrene	47 U	330	47	1	08/21/25 13:25	8/21/25	
Pyrene	55 U	330	55	1	08/21/25 13:25	8/21/25	
2,3,4,6-Tetrachlorophenol	120 U	330	120	1	08/21/25 13:25	8/21/25	
2,4,5-Trichlorophenol	82 U	330	82	1	08/21/25 13:25	8/21/25	
2,4,6-Trichlorophenol	74 U	330	74	1	08/21/25 13:25	8/21/25	
2,4-Dichlorophenol	64 U	330	64	1	08/21/25 13:25	8/21/25	
2,4-Dimethylphenol	59 U	330	59	1	08/21/25 13:25	8/21/25	
2,4-Dinitrophenol	560 U	1700	560	1	08/21/25 13:25	8/21/25	
2,4-Dinitrotoluene	130 U	330	130	1	08/21/25 13:25	8/21/25	
2,6-Dinitrotoluene	72 U	330	72	1	08/21/25 13:25	8/21/25	
2-Chloronaphthalene	66 U	330	66	1	08/21/25 13:25	8/21/25	
2-Chlorophenol	55 U	330	55	1	08/21/25 13:25	8/21/25	
2-Methylphenol	69 U	330	69	1	08/21/25 13:25	8/21/25	
2-Nitroaniline	78 U	1700	78	1	08/21/25 13:25	8/21/25	
2-Nitrophenol	77 U	330	77	1	08/21/25 13:25	8/21/25	
3,3'-Dichlorobenzidine	120 U	330	120	1	08/21/25 13:25	8/21/25	
3- and 4-Methylphenol Coelution	63 U	330	63	1	08/21/25 13:25	8/21/25	
3-Nitroaniline	67 U	1700	67	1	08/21/25 13:25	8/21/25	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	08/21/25 13:25	8/21/25	
4-Bromophenyl Phenyl Ether	87 U	330	87	1	08/21/25 13:25	8/21/25	
4-Chloro-3-methylphenol	67 U	330	67	1	08/21/25 13:25	8/21/25	
4-Chloroaniline	120 U	330	120	1	08/21/25 13:25	8/21/25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2511066-01

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	71 U	330	71	1	08/21/25 13:25	8/21/25	
4-Nitroaniline	71 U	1700	71	1	08/21/25 13:25	8/21/25	
4-Nitrophenol	170 U	1700	170	1	08/21/25 13:25	8/21/25	
Acetophenone	95 U	330	95	1	08/21/25 13:25	8/21/25	
Atrazine	98 U	330	98	1	08/21/25 13:25	8/21/25	
Benzaldehyde	80 U	1700	80	1	08/21/25 13:25	8/21/25	
Benzoic Acid	520 U	1700	520	1	08/21/25 13:25	8/21/25	
Bis(1-chloroisopropyl) Ether	68 U	330	68	1	08/21/25 13:25	8/21/25	
Bis(2-chloroethoxy)methane	81 U	330	81	1	08/21/25 13:25	8/21/25	
Bis(2-chloroethyl) Ether	65 U	330	65	1	08/21/25 13:25	8/21/25	
Bis(2-ethylhexyl) Phthalate	61 U	500	61	1	08/21/25 13:25	8/21/25	
Butyl Benzyl Phthalate	96 U	330	96	1	08/21/25 13:25	8/21/25	
Caprolactam	73 U	330	73	1	08/21/25 13:25	8/21/25	
Carbazole	54 U	330	54	1	08/21/25 13:25	8/21/25	
Di-n-butyl Phthalate	54 U	330	54	1	08/21/25 13:25	8/21/25	
Di-n-octyl Phthalate	120 U	330	120	1	08/21/25 13:25	8/21/25	
Diethyl Phthalate	59 U	330	59	1	08/21/25 13:25	8/21/25	
Dimethyl Phthalate	63 U	330	63	1	08/21/25 13:25	8/21/25	
Hexachlorobenzene	79 U	330	79	1	08/21/25 13:25	8/21/25	
Hexachlorobutadiene	120 U	330	120	1	08/21/25 13:25	8/21/25	
Hexachlorocyclopentadiene	110 U	330	110	1	08/21/25 13:25	8/21/25	
Hexachloroethane	62 U	330	62	1	08/21/25 13:25	8/21/25	
Isophorone	69 U	330	69	1	08/21/25 13:25	8/21/25	
N-Nitrosodi-n-propylamine	110 U	330	110	1	08/21/25 13:25	8/21/25	
N-Nitrosodiphenylamine	210 U	330	210	1	08/21/25 13:25	8/21/25	
Nitrobenzene	59 U	330	59	1	08/21/25 13:25	8/21/25	
Pentachlorophenol (PCP)	330 U	1700	330	1	08/21/25 13:25	8/21/25	
Phenol	67 U	330	67	1	08/21/25 13:25	8/21/25	
Pyridine	45 U	1700	45	1	08/21/25 13:25	8/21/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	54	18 - 104	08/21/25 13:25	
Nitrobenzene-d5	51	12 - 98	08/21/25 13:25	
p-Terphenyl-d14	70	26 - 134	08/21/25 13:25	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Analyzed: 08/21/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis:Dry

Analyte Name	Lab Control Sample RQ2511066-02				Duplicate Lab Control Sample RQ2511066-03				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1-Methylnaphthalene	8270E	1630	3320	49	1740	3330	52	29-100	6	30
1,2,4,5-Tetrachlorobenzene	8270E	1830	3320	55	1650	3330	49	20-126	10	30
2-Methylnaphthalene	8270E	1540	3320	46	1660	3330	50	29-99	7	30
Acenaphthene	8270E	1850	3320	56	1990	3330	60	41-110	7	30
Acenaphthylene	8270E	2090	3320	63	2230	3330	67	44-122	6	30
Anthracene	8270E	1950	3320	59	2070	3330	62	41-123	6	30
Benz(a)anthracene	8270E	1990	3320	60	2140	3330	64	44-116	8	30
Benzo(a)pyrene	8270E	2270	3320	68	2420	3330	73	56-146	7	30
Benzo(b)fluoranthene	8270E	1860	3320	56	2000	3330	60	47-120	7	30
Benzo(g,h,i)perylene	8270E	1920	3320	58	2060	3330	62	41-129	7	30
Benzo(k)fluoranthene	8270E	2020	3320	61	2170	3330	65	49-124	7	30
1,4-Dichlorobenzene	8270E	1430	3320	43	1610	3330	48	16-83	12	30
Biphenyl	8270E	1920	3320	58	1720	3330	52	24-112	11	30
Chrysene	8270E	2030	3320	61	2180	3330	65	44-119	7	30
1,4-Dioxane	8270E	1070	3320	32	1050	3330	32	10-58	2	30
Dibenz(a,h)anthracene	8270E	2030	3320	61	2160	3330	65	18-146	6	30
Dibenzofuran	8270E	1940	3320	58	2070	3330	62	43-113	7	30
Fluoranthene	8270E	2000	3320	60	2140	3330	64	39-128	6	30
Fluorene	8270E	1960	3320	59	2070	3330	62	40-117	5	30
Indeno(1,2,3-cd)pyrene	8270E	2120	3320	64	2290	3330	69	43-129	8	30
Naphthalene	8270E	1550	3320	47	1660	3330	50	31-93	7	30
Phenanthrene	8270E	1810	3320	54	1920	3330	58	39-120	6	30
Pyrene	8270E	1960	3320	59	2130	3330	64	45-125	8	30
2,3,4,6-Tetrachlorophenol	8270E	2300	3320	69	2440	3330	73	42-117	6	30
2,4,5-Trichlorophenol	8270E	2080	3320	63	2180	3330	66	40-114	5	30
2,4,6-Trichlorophenol	8270E	1970	3320	59	2130	3330	64	33-108	8	30
2,4-Dichlorophenol	8270E	1820	3320	55	1930	3330	58	30-103	6	30
2,4-Dimethylphenol	8270E	1810	3320	54	1900	3330	57	32-100	5	30
2,4-Dinitrophenol	8270E	1540 J	3320	46	1700 J	3330	51	10-97	9	30
2,4-Dinitrotoluene	8270E	2060	3320	62	2210	3330	67	53-120	7	30
2,6-Dinitrotoluene	8270E	2060	3320	62	2220	3330	67	48-119	7	30
2-Chloronaphthalene	8270E	1850	3320	56	1980	3330	60	33-103	7	30
2-Chlorophenol	8270E	1780	3320	53	1910	3330	57	26-90	7	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Analyzed: 08/21/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis:Dry

Lab Control Sample RQ2511066-02					Duplicate Lab Control Sample RQ2511066-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
2-Methylphenol	8270E	1950	3320	59	2080	3330	63	33-99	7	30
2-Nitroaniline	8270E	1970	3320	59	2110	3330	63	41-119	7	30
2-Nitrophenol	8270E	1660	3320	50	1780	3330	53	24-98	7	30
3- and 4-Methylphenol Coelution	8270E	2030	3320	61	2210	3330	66	32-100	9	30
3-Nitroaniline	8270E	1700	3320	51	1750	3330	53	29-105	3	30
4,6-Dinitro-2-methylphenol	8270E	1960	3320	59	2110	3330	64	20-105	7	30
4-Bromophenyl Phenyl Ether	8270E	2000	3320	60	2130	3330	64	37-116	7	30
4-Chloro-3-methylphenol	8270E	1900	3320	57	2000	3330	60	40-116	5	30
4-Chloroaniline	8270E	1330	3320	40	1230	3330	37	10-87	8	30
4-Chlorophenyl Phenyl Ether	8270E	1920	3320	58	2050	3330	62	42-111	6	30
4-Nitroaniline	8270E	1600 J	3320	48	1880	3330	57	43-120	16	30
4-Nitrophenol	8270E	1760	3320	53	1810	3330	54	34-116	2	30
Acetophenone	8270E	1830	3320	55	1640	3330	49	23-87	11	30
Benzoic Acid	8270E	1960	3320	59	2120	3330	64	10-126	8	30
Bis(1-chloroisopropyl) Ether	8270E	1760	3320	53	1930	3330	58	22-99	9	30
Bis(2-chloroethoxy)methane	8270E	1820	3320	55	1930	3330	58	38-119	6	30
Bis(2-chloroethyl) Ether	8270E	1630	3320	49	1780	3330	53	23-94	9	30
Bis(2-ethylhexyl) Phthalate	8270E	2190	3320	66	2370	3330	71	38-139	8	30
Butyl Benzyl Phthalate	8270E	2080	3320	63	2240	3330	67	40-134	8	30
Caprolactam	8270E	1890	3320	57	1630	3330	49	21-128	15	30
Carbazole	8270E	1960	3320	59	2140	3330	64	42-131	9	30
Di-n-butyl Phthalate	8270E	2170	3320	65	2340	3330	70	42-141	8	30
Di-n-octyl Phthalate	8270E	2290	3320	69	2470	3330	74	38-143	8	30
Diethyl Phthalate	8270E	1980	3320	60	2100	3330	63	43-118	6	30
Dimethyl Phthalate	8270E	1990	3320	60	2140	3330	64	40-118	7	30
Hexachlorobenzene	8270E	1940	3320	59	2070	3330	62	35-122	6	30
Hexachlorobutadiene	8270E	1510	3320	45	1650	3330	49	28-96	9	30
Hexachlorocyclopentadiene	8270E	1670	3320	50	1850	3330	55	10-111	10	30
Hexachloroethane	8270E	1460	3320	44	1660	3330	50	18-85	13	30
Isophorone	8270E	1800	3320	54	1920	3330	58	39-104	6	30
N-Nitrosodi-n-propylamine	8270E	1790	3320	54	1910	3330	57	30-98	7	30
N-Nitrosodiphenylamine	8270E	2220	3320	67	2380	3330	72	43-130	7	30
Nitrobenzene	8270E	1640	3320	49	1760	3330	53	31-99	7	30

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Superset Reference:25-0000742903 rev 00

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Analyzed: 08/21/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis:Dry

Analyte Name	Lab Control Sample				Duplicate Lab Control Sample					
	RQ2511066-02				RQ2511066-03					
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Pentachlorophenol (PCP)	8270E	1680 J	3320	51	1770	3330	53	36-138	5	30
Phenol	8270E	1850	3320	56	1980	3330	60	31-100	7	30
Pyridine	8270E	2760	6640	42	2910	6660	44	12-80	5	30



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10 - 159	10 - 132
12311 SB01 (1-2)	R2510157-001	70	58
12311 SB02 (3-4)	R2510157-002	56	46
12311 SB03 (5-6)	R2510157-003	60	44
Method Blank	RQ2511225-01	71	50
Lab Control Sample	RQ2511225-02	75	60
Duplicate Lab Control Sample	RQ2511225-03	67	46

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2511225-01

Units: ug/Kg
Basis: Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
4,4'-DDE	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
4,4'-DDT	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Aldrin	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Chlordane	4.2 U	8.3	4.2	1	08/25/25 18:47	8/24/25	
Dieldrin	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Endosulfan I	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Endosulfan II	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Endosulfan Sulfate	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Endrin	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Endrin Aldehyde	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Endrin Ketone	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Heptachlor	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Heptachlor Epoxide	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Methoxychlor	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
Toxaphene	19 U	33	19	1	08/25/25 18:47	8/24/25	
alpha-BHC	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
alpha-Chlordane	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
beta-BHC	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
delta-BHC	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
gamma-BHC (Lindane)	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	
gamma-Chlordane	0.84 U	1.7	0.84	1	08/25/25 18:47	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	71	10 - 159	08/25/25 18:47	
Tetrachloro-m-xylene	50	10 - 132	08/25/25 18:47	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Analyzed: 08/25/25

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Units:ug/Kg
Basis:Dry

Lab Control Sample RQ2511225-02					Duplicate Lab Control Sample RQ2511225-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
4,4'-DDD	8081B	5.32	6.63	80	5.33	6.60	81	48-121	<1	30
4,4'-DDE	8081B	4.97	6.63	75	4.74	6.60	72	51-119	5	30
4,4'-DDT	8081B	4.98	6.63	75	4.77	6.60	72	51-126	4	30
Aldrin	8081B	4.66	6.63	70	4.07	6.60	62	45-109	13	30
Dieldrin	8081B	5.00	6.63	75	4.76	6.60	72	56-111	5	30
Endosulfan I	8081B	4.61	6.63	69	4.32	6.60	65	54-109	6	30
Endosulfan II	8081B	4.96	6.63	75	5.02	6.60	76	50-116	1	30
Endosulfan Sulfate	8081B	5.22	6.63	79	4.99	6.60	76	55-115	4	30
Endrin	8081B	4.98	6.63	75	4.72	6.60	72	49-124	5	30
Endrin Aldehyde	8081B	5.65	6.63	85	5.45	6.60	83	21-139	3	30
Endrin Ketone	8081B	5.62	6.63	85	5.25	6.60	80	50-124	7	30
Heptachlor	8081B	4.82	6.63	73	4.21	6.60	64	43-115	14	30
Heptachlor Epoxide	8081B	4.99	6.63	75	4.63	6.60	70	53-113	7	30
Methoxychlor	8081B	6.86	6.63	103	6.55	6.60	99	47-141	5	30
alpha-BHC	8081B	4.73	6.63	71	4.04	6.60	61	44-109	16	30
alpha-Chlordane	8081B	4.92	6.63	74	4.72	6.60	71	52-114	4	30
beta-BHC	8081B	4.98	6.63	75	4.71	6.60	71	49-119	6	30
delta-BHC	8081B	5.07	6.63	76	4.81	6.60	73	49-113	5	30
gamma-BHC (Lindane)	8081B	4.74	6.63	71	4.23	6.60	64	43-112	11	30
gamma-Chlordane	8081B	5.08	6.63	77	4.81	6.60	73	51-117	6	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10 - 138	11 - 122
12311 SB01 (1-2)	R2510157-001	65	52
12311 SB02 (3-4)	R2510157-002	57	41
12311 SB03 (5-6)	R2510157-003	60	43
Method Blank	RQ2511225-01	67	50
Lab Control Sample	RQ2511225-04	68	54
Duplicate Lab Control Sample	RQ2511225-05	71	51

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2511225-01

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	17 U	33	17	1	08/25/25 17:46	8/24/25	
Aroclor 1221	26 U	66	26	1	08/25/25 17:46	8/24/25	
Aroclor 1232	19 U	33	19	1	08/25/25 17:46	8/24/25	
Aroclor 1242	17 U	33	17	1	08/25/25 17:46	8/24/25	
Aroclor 1248	18 U	33	18	1	08/25/25 17:46	8/24/25	
Aroclor 1254	17 U	33	17	1	08/25/25 17:46	8/24/25	
Aroclor 1260	17 U	33	17	1	08/25/25 17:46	8/24/25	
Aroclor 1262	17 U	33	17	1	08/25/25 17:46	8/24/25	
Aroclor 1268	17 U	33	17	1	08/25/25 17:46	8/24/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	67	10 - 138	08/25/25 17:46	
Tetrachloro-m-xylene	50	11 - 122	08/25/25 17:46	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Analyzed: 08/25/25

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis:Dry

Lab Control Sample					Duplicate Lab Control Sample					
RQ2511225-04					RQ2511225-05					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	8082A	117	165	71	116	165	71	34-141	<1	30
Aroclor 1260	8082A	121	165	73	130	165	79	30-158	7	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA
		10 - 151
12311 SB01 (1-2)	R2510157-001	50
12311 SB02 (3-4)	R2510157-002	54
12311 SB03 (5-6)	R2510157-003	36
Method Blank	RQ2511241-01	54
Lab Control Sample	RQ2511241-02	54
Duplicate Lab Control Sample	RQ2511241-03	62

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2511241-01

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	5.1 U	10	5.1	1	08/27/25 01:59	8/25/25	
2,4,5-TP	4.6 U	10	4.6	1	08/27/25 01:59	8/25/25	
2,4-D	6.6 U	10	6.6	1	08/27/25 01:59	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	54	10 - 151	08/27/25 01:59	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: 12311_Findley
Sample Matrix: Soil

Service Request: R2510157
Date Analyzed: 08/27/25

Duplicate Lab Control Sample Summary
Chlorinated Herbicides by GC

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ2511241-02

Duplicate Lab Control Sample
RQ2511241-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
2,4,5-T	8151A	17.4	25.1	69	19.2	24.8	78	19-127	10	30
2,4,5-TP	8151A	14.1	25.1	56	16.2	24.8	65	18-122	14	30
2,4-D	8151A	13.6	25.1	54	15.0	24.8	61	31-119	10	30



right solutions.
right partner.

November 17, 2025

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

Re: **DETR0060 - 12311 Findlay**

Date Received: **10/28/2025**
Work Order: **HN2516062**
Revision: **1**

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: DETR0060 - 12311 Findlay

Work Order: HN2516062
Date Received: 28-Oct-2025

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

1 soil/solid sample was received for analysis at ALS Environmental on 28-Oct-2025. 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: HN2516062

Analytical report amended to include the additional analysis requested. This replaces report dated 11/7/25.

Organics

EPA 8270E-FULL HN-3546-S

Run ID: 3667671

The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: Atrazine

HN2516062-001: One or more acid surrogate recoveries were below the lower control limits. The acidic sample results may be biased low.

HN2516062-001: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

EPA 8081B-3546-S (High)

Run ID: 3641348

HN2516062-001: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

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: 12311 Findlay SB02 (3-4')-R

Lab ID: HN2516062-001

Analyte	Results	Flag	MRL	Units	Method
Anthracene	470		181	µg/kg	EPA 8270E
Benzo(a)anthracene	868		181	µg/kg	EPA 8270E
Benzo(a)pyrene	868		181	µg/kg	EPA 8270E
Benzo(b)fluoranthene	1030		181	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	669		181	µg/kg	EPA 8270E
Benzo(k)fluoranthene	470		181	µg/kg	EPA 8270E
Chrysene	705		181	µg/kg	EPA 8270E
Fluoranthene	1750		181	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	832		181	µg/kg	EPA 8270E
Percent Moisture	9.9		0.1	%	EPA 3550C
Phenanthrene	904		181	µg/kg	EPA 8270E
Pyrene	1590		181	µg/kg	EPA 8270E

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Workorder: HN2516062

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2516062-001	12311 Findlay SB02 (3-4')-R	SOIL/SOLID	10/27/25 14:37	10/28/25 06:00



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

Customer Information			Project Information					Parameter/Method Request for Analysis					
Purchase Order		Project Name						A	Pesticides (U.S. EPA Method 8081B (or Method 8081))				
Work Order		Project Number	DETR0060					B	Herbicides (U.S. EPA Method 8151A (or Method 8151))				
Company Name	The Mannik and Smith Group	Bill To Company	The Mannik and Smith Group					C	SVOCs (Meth 8270D or 8270)				
Send Report To	Ryan Montri	Invoice Attn.						D					
Address	2365 Haggerty Rd South Suite 100	Address	2365 Haggerty Rd South Suite 100					E					
City/State/Zip	Canton, MI 48188	City/State/Zip	Canton, MI 48188					F					
Phone	734-397-3100	Phone	734-397-3100					G					
Fax		Fax						H					
e-Mail Address	RMontri@manniksmithgroup.com	e-Mail Address						I					
								J					
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E		
1	12311 Findlay SB02(3-4)-R	10/27/25	1437	Soil	NA	1	X	X	X				
2													
3													
4													
5													
6													
7													
8													
9													
10													
Sampler(s): Please Print & Sign Oria Mitchell			Shipment Method:		Required Turnaround Time: ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☒ Other: 72 hours			Results Due Date:					
Relinquished by: WILEY DAKENPORT		Date: 10/27/25	Time: 1558	Received by: [Signature]		Notes: Quote# HN-061825-M&S-MA Q5 to Brilliance H 10/28/25 0600							
Relinquished by: [Signature]		Date: 10/27/25	Time: 1558	Received by (Laboratory): Q5		QC Package: (Check Box Below)							
Logged by (Laboratory): BH		Date: 10/28/25	Time: 0843	Checked by (Laboratory):		Cooler Temp. 12.7 5.8C		Level II: Standard QC		TRRP-Checklist			
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035						Level III: Std QC + Raw Data		TRRP Level IV					
						Level IV: SW846 CLP-Like		Other:					

Environmental Division
Holland
Work Order Reference
HN2516062

Telephone : + 1 616 399 6070

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 Sample Receiving Checklist

Received by: Brilliant

Date/Time: 10/28/25 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): 5.8/5.8c

Thermometer(s): 127

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

Matrix/Matrices: Soil

Cooler(s)/Kit(s): 1

Date/Time sample(s) sent to storage: 10/28/25 0843

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 Reporting Limit
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.

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	12/17/2024	12/31/2025
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	11/14/2024	12/31/2025
Indiana	Drinking Water (Secondary)	C-MI-08	12/31/2024	09/04/2026
Iowa	State Specific	403	09/18/2023	09/01/2025
Kansas	NELAP (Secondary)	E-10411	07/09/2024	07/31/2025
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	06/24/2024	06/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2024	6/30/2025
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	06/14/2024	07/31/2025
Texas	NELAP (Secondary)	T104704494	02/12/2025	01/31/2026
USDA	Domestic CA	Soil-MI-007	02/06/2025	08/07/2026
USDA	Soil Import	525-23-62-77572	03/03/2023	03/03/2026
West Virginia	State Specific	355	06/07/2025	08/31/2026
Wisconsin	State Specific	399084510	08/15/2024	08/31/2025

¹ - Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay

Work Order: HN2516062

Sample Name: 12311 Findlay SB02 (3-4')-R
Laboratory Code: HN2516062-001
Sample Matrix: SOIL/SOLID

Date Collected: 10/27/25
Date Received: 10/28/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AA	2302720		3631423	Nicole Maleski
EPA 8081B	EPA 3546	001-AA	2305050	Mya Harmer	3641348	Madison VandenBer
EPA 8081B	EPA 3511	001-AC	2334132	Mac Peterson	3686395	Madison VandenBer
EPA 8151A	Method	001-AA	2309163	Sam Bruzan	3642247	Kathy Malmyga
EPA 8270E	EPA 3546	001-AA	2319451	Willow Julien	3667671	Sam Bruzan

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID

Work Order: HN2516062
Date Collected: 10/27/25 14:37
Date Received: 10/28/25 06:00

CLIENT ID: 12311 Findlay SB02 (3-4')-R

Lab ID: HN2516062-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.43	U	µg/kg	13.2	1	10/30/25 18:32	10/29/25 10:50
2,4,5-TP (Silvex)	EPA 8151A	<4.34	U	µg/kg	13.2	1	10/30/25 18:32	10/29/25 10:50
2,4-D	EPA 8151A	<7.07	U	µg/kg	26.5	1	10/30/25 18:32	10/29/25 10:50
Surr: DCAA	EPA 8151A	48.0		%REC	10-116	1	10/30/25 18:32	10/29/25 10:50
General Chemistry Parameters								
Percent Moisture	EPA 3550C	9.9		%	0.1	1	10/28/25 11:36	NA
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<169	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
4,4'-DDE	EPA 8081B	<174	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
4,4'-DDT	EPA 8081B	<176	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Aldrin	EPA 8081B	<172	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
alpha-BHC	EPA 8081B	<174	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
beta-BHC	EPA 8081B	<174	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Chlordane, Technical	EPA 8081B	<262	U	µg/kg	661	10	10/30/25 02:18	10/29/25 11:36
cis-Chlordane	EPA 8081B	<177	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
delta-BHC	EPA 8081B	<173	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Dieldrin	EPA 8081B	<185	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Endosulfan I	EPA 8081B	<178	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Endosulfan II	EPA 8081B	<175	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Endosulfan sulfate	EPA 8081B	<163	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Endrin	EPA 8081B	<214	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Endrin aldehyde	EPA 8081B	<168	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Endrin ketone	EPA 8081B	<161	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
gamma-BHC (Lindane)	EPA 8081B	<173	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Heptachlor	EPA 8081B	<171	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Heptachlor epoxide	EPA 8081B	<175	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Methoxychlor	EPA 8081B	<177	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36
Toxaphene	EPA 8081B	<285	U	µg/kg	1590	10	10/30/25 02:18	10/29/25 11:36
trans-Chlordane	EPA 8081B	<176	U	µg/kg	264	10	10/30/25 02:18	10/29/25 11:36

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID

Work Order: HN2516062
Date Collected: 10/27/25 14:37
Date Received: 10/28/25 06:00

CLIENT ID: 12311 Findlay SB02 (3-4')-R	Lab ID: HN2516062-001
---	------------------------------

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
<i>Surr: Decachlorobiphenyl</i>	EPA 8081B	99.5		%REC	53-151	10	10/30/25 02:18	10/29/25 11:36
<i>Surr: Tetrachloro-m-xylene</i>	EPA 8081B	78.0		%REC	67-127	10	10/30/25 02:18	10/29/25 11:36

Semivolatile Organic Compounds by GC-MS								
1,1'-Biphenyl (BZ-0)	EPA 8270E	<147	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<209	U	µg/kg	9030	10	11/06/25 21:05	11/05/25 12:25
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<648	U	µg/kg	4520	10	11/06/25 21:05	11/05/25 12:25
1-Methylnaphthalene	EPA 8270E	<130	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	<212	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2,3,4,6-Tetrachlorophenol	EPA 8270E	<662	U	µg/kg	1810	10	11/06/25 21:05	11/05/25 12:25
2,4,5-Trichlorophenol	EPA 8270E	<536	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2,4,6-Trichlorophenol	EPA 8270E	<241	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2,4-Dichlorophenol	EPA 8270E	<487	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2,4-Dimethylphenol	EPA 8270E	<465	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2,4-Dinitrophenol	EPA 8270E	<6610	U	µg/kg	9030	10	11/06/25 21:05	11/05/25 12:25
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<587	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<231	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2-Chloronaphthalene	EPA 8270E	<126	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
2-Chlorophenol	EPA 8270E	<592	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<755	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2-Methylnaphthalene	EPA 8270E	<91.9	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
2-Methylphenol (o-Cresol)	EPA 8270E	<244	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2-Nitroaniline	EPA 8270E	<502	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
2-Nitrophenol	EPA 8270E	<258	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
3&4-Methylphenol	EPA 8270E	<493	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
3,3'-Dichlorobenzidine	EPA 8270E	<422	U	µg/kg	4520	10	11/06/25 21:05	11/05/25 12:25
3-Nitroaniline	EPA 8270E	<525	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<495	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID

Work Order: HN2516062
Date Collected: 10/27/25 14:37
Date Received: 10/28/25 06:00

CLIENT ID: 12311 Findlay SB02 (3-4')-R

Lab ID: HN2516062-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
4-Chloro-3-methylphenol	EPA 8270E	<258	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
4-Chloroaniline	EPA 8270E	<459	U	µg/kg	1810	10	11/06/25 21:05	11/05/25 12:25
4-Chlorophenyl phenylether	EPA 8270E	<250	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
4-Nitroaniline	EPA 8270E	<1400	U	µg/kg	4520	10	11/06/25 21:05	11/05/25 12:25
4-Nitrophenol	EPA 8270E	<2120	U	µg/kg	9030	10	11/06/25 21:05	11/05/25 12:25
Acenaphthene	EPA 8270E	<131	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Acenaphthylene	EPA 8270E	<157	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Acetophenone	EPA 8270E	<142	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Anthracene	EPA 8270E	470		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Atrazine	EPA 8270E	<530	SU	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Benzaldehyde	EPA 8270E	<1390	U	µg/kg	1810	10	11/06/25 21:05	11/05/25 12:25
Benzo(a)anthracene	EPA 8270E	868		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Benzo(a)pyrene	EPA 8270E	868		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Benzo(b)fluoranthene	EPA 8270E	1030		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Benzo(g,h,i)perylene	EPA 8270E	669		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Benzo(k)fluoranthene	EPA 8270E	470		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
bis(2-Chloroethoxy) methane	EPA 8270E	<573	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
bis(2-Chloroethyl) ether	EPA 8270E	<256	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Butyl benzyl phthalate	EPA 8270E	<1130	U	µg/kg	1810	10	11/06/25 21:05	11/05/25 12:25
Caprolactam	EPA 8270E	<816	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Carbazole	EPA 8270E	<266	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Chrysene	EPA 8270E	705		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	<748	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Dibenz(a,h) anthracene	EPA 8270E	<97.6	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Dibenzofuran	EPA 8270E	<133	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Diethyl phthalate	EPA 8270E	<308	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Dimethyl phthalate	EPA 8270E	<176	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Fluoranthene	EPA 8270E	1750		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Fluorene	EPA 8270E	<131	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Hexachlorobenzene	EPA 8270E	<263	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID

Work Order: HN2516062
Date Collected: 10/27/25 14:37
Date Received: 10/28/25 06:00

CLIENT ID: 12311 Findlay SB02 (3-4')-R

Lab ID: HN2516062-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Hexachlorobutadiene	EPA 8270E	<213	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Hexachlorocyclopentadiene	EPA 8270E	<857	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Hexachloroethane	EPA 8270E	<374	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Indeno(1,2,3-cd) pyrene	EPA 8270E	832		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Isophorone	EPA 8270E	<177	U	µg/kg	4520	10	11/06/25 21:05	11/05/25 12:25
Methylphenol, Total	EPA 8270E	<244	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Naphthalene	EPA 8270E	<116	U	µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Nitrobenzene	EPA 8270E	<304	U	µg/kg	4520	10	11/06/25 21:05	11/05/25 12:25
n-Nitrosodi-n-propylamine	EPA 8270E	<149	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
N-Nitrosodiphenylamine	EPA 8270E	<523	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Pentachlorophenol	EPA 8270E	<718	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Phenanthrene	EPA 8270E	904		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Phenol	EPA 8270E	<454	U	µg/kg	895	10	11/06/25 21:05	11/05/25 12:25
Pyrene	EPA 8270E	1590		µg/kg	181	10	11/06/25 21:05	11/05/25 12:25
Pyridine	EPA 8270E	<1780	U	µg/kg	4520	10	11/06/25 21:05	11/05/25 12:25
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	44.2	S	%REC	48-94	10	11/06/25 21:05	11/05/25 12:25
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	62.4		%REC	50-103	10	11/06/25 21:05	11/05/25 12:25
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	52.4		%REC	43-105	10	11/06/25 21:05	11/05/25 12:25
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	66.0		%REC	55-111	10	11/06/25 21:05	11/05/25 12:25
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	52.0		%REC	47-100	10	11/06/25 21:05	11/05/25 12:25
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	51.4		%REC	49-110	10	11/06/25 21:05	11/05/25 12:25

TCLP Organochlorine Pesticides by GC/ECD

Chlordane, Technical	EPA 8081B	<0.0333	U	µg/L	0.489	1	11/13/25 19:46	11/13/25 12:24
Endrin	EPA 8081B	<0.00833	U	µg/L	0.00978	1	11/13/25 19:46	11/13/25 12:24
gamma-BHC (Lindane)	EPA 8081B	<0.00814	U	µg/L	0.00978	1	11/13/25 19:46	11/13/25 12:24
Heptachlor	EPA 8081B	<0.00744	U	µg/L	0.00978	1	11/13/25 19:46	11/13/25 12:24
Heptachlor epoxide	EPA 8081B	<0.00776	U	µg/L	0.00978	1	11/13/25 19:46	11/13/25 12:24
Methoxychlor	EPA 8081B	<0.00968	U	µg/L	0.00978	1	11/13/25 19:46	11/13/25 12:24
Toxaphene	EPA 8081B	<0.108	U	µg/L	1.96	1	11/13/25 19:46	11/13/25 12:24
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	114		%REC	42-148	1	11/13/25 19:46	11/13/25 12:24
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	57.4		%REC	57-141	1	11/13/25 19:46	11/13/25 12:24



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2309163

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3642247

Chlorinated Herbicides by GC/ECD

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2309163-002
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 10/30/25 16:49
Prep Date: 10/29/25 10:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	30.0	µg/kg	5.00	50		60.0	10-119			
2,4,5-TP (Silvex)	29.0	µg/kg	5.00	50		58.0	10-101			
2,4-D	26.0	µg/kg	10.0	50		52.0	10-128			
Surr: DCAA	27.0	µg/kg		50		54.0	10-116			

MS	CLIENT ID: Batch QC	Lab ID: QC-2309163-005
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 10/30/25 17:02
Prep Date: 10/29/25 10:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	74.5	µg/kg	14.5	124.22	<2.29	60.0	10-119			
2,4,5-TP (Silvex)	72.0	µg/kg	14.5	124.22	<4.07	58.0	10-101			
2,4-D	72.0	µg/kg	29.0	124.22	<6.63	58.0	10-128			
Surr: DCAA	77.0	µg/kg		124.22		62.0	10-116			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2309163-006
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 10/30/25 17:15
Prep Date: 10/29/25 10:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	67.3	µg/kg	14.6	124.69	<2.29	54.0	10-119	10.2	30	
2,4,5-TP (Silvex)	64.8	µg/kg	14.6	124.69	<4.09	52.0	10-101	10.5	30	
2,4-D	67.3	µg/kg	29.1	124.69	<6.66	54.0	10-128	6.77	30	
Surr: DCAA	67.3	µg/kg		124.69		54.0	10-116	13.4	30	

MB	CLIENT ID: Method Blank	Lab ID: QC-MRG2-2309163001
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 10/30/25 16:36
Prep Date: 10/29/25 10:50

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	0		NC	0-0			U
2,4,5-TP (Silvex)	<1.64	µg/kg	5.00	0		NC	0-0			U
2,4-D	<2.67	µg/kg	10.0	0		NC	0-0			U
Surr: DCAA	30.0	µg/kg		50		60.0	10-116			

The following samples were analyzed in this batch: HN2516062-001

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2302720

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3631423

General Chemistry Parameters

MB	CLIENT ID: Method Blank						Lab ID: QC-2302720-001			
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 10/28/25 11:36
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	<0.1	%	0.1	0		NC	0-0			U

LCS	CLIENT ID: Laboratory Control Sample						Lab ID: QC-2302720-002			
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 10/28/25 11:36
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	100	%	0.1	100		100.0	98-102			

DUP	CLIENT ID: Batch QC						Lab ID: QC-2302720-004			
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 10/28/25 11:36
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	37.5	%	0.1	0	37.7	NC	0-0	0.559	10	

DUP	CLIENT ID: Batch QC						Lab ID: QC-2302720-015			
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 10/28/25 11:36
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	38.5	%	0.1	0	39.5	NC	0-0	2.51	10	

The following samples were analyzed in this batch: HN2516062-001



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2305050

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3641348

Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2305050-001
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Method: EPA 8081B

Dilution: 1

Analysis Date: 10/29/25 23:02

Prep Date: 10/29/25 11:37

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	0		NC	0-0			U
4,4'-DDE	<6.59	µg/kg	10.0	0		NC	0-0			U
4,4'-DDT	<6.65	µg/kg	10.0	0		NC	0-0			U
Aldrin	<6.50	µg/kg	10.0	0		NC	0-0			U
alpha-BHC	<6.58	µg/kg	10.0	0		NC	0-0			U
beta-BHC	<6.57	µg/kg	10.0	0		NC	0-0			U
Chlordane, Technical	<9.92	µg/kg	25.0	0		NC	0-0			U
cis-Chlordane	<6.68	µg/kg	10.0	0		NC	0-0			U
delta-BHC	<6.55	µg/kg	10.0	0		NC	0-0			U
Dieldrin	<6.99	µg/kg	10.0	0		NC	0-0			U
Endosulfan I	<6.72	µg/kg	10.0	0		NC	0-0			U
Endosulfan II	<6.62	µg/kg	10.0	0		NC	0-0			U
Endosulfan sulfate	<6.15	µg/kg	10.0	0		NC	0-0			U
Endrin	<8.09	µg/kg	10.0	0		NC	0-0			U
Endrin aldehyde	<6.34	µg/kg	10.0	0		NC	0-0			U
Endrin ketone	<6.08	µg/kg	10.0	0		NC	0-0			U
gamma-BHC (Lindane)	<6.56	µg/kg	10.0	0		NC	0-0			U
Heptachlor	<6.45	µg/kg	10.0	0		NC	0-0			U
Heptachlor epoxide	<6.62	µg/kg	10.0	0		NC	0-0			U
Methoxychlor	<6.69	µg/kg	10.0	0		NC	0-0			U
Toxaphene	<10.8	µg/kg	60.0	0		NC	0-0			U
trans-Chlordane	<6.64	µg/kg	10.0	0		NC	0-0			U
Surr: Decachlorobiphenyl	35.8	µg/kg		33.33		107	53-151			
Surr: Tetrachloro-m-xylene	28.7	µg/kg		33.33		86.2	67-127			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2305050-002
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Method: EPA 8081B

Dilution: 1

Analysis Date: 10/29/25 23:14

Prep Date: 10/29/25 11:37

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	27.5	µg/kg	10.0	33.33		82.6	55-141			
4,4'-DDE	29.8	µg/kg	10.0	33.33		89.5	55-143			
4,4'-DDT	34.7	µg/kg	10.0	33.33		104	50-144			
Aldrin	30.6	µg/kg	10.0	33.33		91.7	57-141			
alpha-BHC	30.4	µg/kg	10.0	33.33		91.2	58-144			
beta-BHC	30.4	µg/kg	10.0	33.33		91.2	55-147			
cis-Chlordane	30.0	µg/kg	10.0	33.33		90.2	58-142			
delta-BHC	24.8	µg/kg	10.0	33.33		74.4	59-142			
Dieldrin	30.7	µg/kg	10.0	33.33		92.1	59-142			
Endosulfan I	29.2	µg/kg	10.0	33.33		87.8	57-145			
Endosulfan II	29.2	µg/kg	10.0	33.33		87.8	58-138			
Endosulfan sulfate	28.3	µg/kg	10.0	33.33		85.0	54-136			
Endrin	34.8	µg/kg	10.0	33.33		104	45-150			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2305050

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3641348

LCS		CLIENT ID: Laboratory Control Sample				Lab ID: QC-2305050-002			
Method: EPA 8081B		Dilution: 1		Analysis Date: 10/29/25 23:14		Prep Date: 10/29/25 11:37			
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit Qual
Endrin aldehyde	36.8	µg/kg	10.0	33.33		111	41-147		
Endrin ketone	27.6	µg/kg	10.0	33.33		82.7	54-146		
gamma-BHC (Lindane)	30.6	µg/kg	10.0	33.33		91.9	58-145		
Heptachlor	31.8	µg/kg	10.0	33.33		95.3	51-145		
Heptachlor epoxide	30.7	µg/kg	10.0	33.33		92.1	59-143		
Methoxychlor	33.4	µg/kg	10.0	33.33		100	43-144		
trans-Chlordane	30.0	µg/kg	10.0	33.33		90.0	56-145		
Surr: Decachlorobiphenyl	29.8	µg/kg		33.33		89.3	51-151		
Surr: Tetrachloro-m-xylene	25.8	µg/kg		33.33		77.4	67-127		
The following samples were analyzed in this batch: HN2516062-001									



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

Semivolatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2319451-001
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 12:42

Prep Date: 11/05/25 12:26

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

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

MB	CLIENT ID: Method Blank	Lab ID: QC-2319451-001
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 12:42

Prep Date: 11/05/25 12:26

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	0		NC	0-0			U
Caprolactam	<30.1	µg/kg	33.0	0		NC	0-0			U
Carbazole	<9.82	µg/kg	33.0	0		NC	0-0			U
Chrysene	<5.39	µg/kg	6.67	0		NC	0-0			U
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	<27.6	µg/kg	33.0	0		NC	0-0			U
Dibenz(a,h) anthracene	<3.60	µg/kg	33.0	0		NC	0-0			U
Dibenzofuran	<4.90	µg/kg	33.0	0		NC	0-0			U
Diethyl phthalate	<11.3	µg/kg	33.0	0		NC	0-0			U
Dimethyl phthalate	<6.50	µg/kg	33.0	0		NC	0-0			U
Fluoranthene	<3.20	µg/kg	6.67	0		NC	0-0			U
Fluorene	<4.84	µg/kg	6.67	0		NC	0-0			U
Hexachlorobenzene	<9.70	µg/kg	33.0	0		NC	0-0			U
Hexachlorobutadiene	<7.85	µg/kg	33.0	0		NC	0-0			U
Hexachlorocyclopentadiene	<31.6	µg/kg	33.0	0		NC	0-0			U
Hexachloroethane	<13.8	µg/kg	33.0	0		NC	0-0			U
Indeno(1,2,3-cd) pyrene	<4.64	µg/kg	6.67	0		NC	0-0			U
Isophorone	<6.51	µg/kg	167	0		NC	0-0			U
Methylphenol, Total	<9.01	µg/kg	67.0	0		NC	0-0			U
Naphthalene	<4.26	µg/kg	6.67	0		NC	0-0			U
Nitrobenzene	<11.2	µg/kg	167	0		NC	0-0			U
n-Nitrosodi-n-propylamine	<5.50	µg/kg	33.0	0		NC	0-0			U
N-Nitrosodiphenylamine	<19.3	µg/kg	33.0	0		NC	0-0			U
Pentachlorophenol	<26.5	µg/kg	33.0	0		NC	0-0			U
Phenanthrene	<3.10	µg/kg	6.67	0		NC	0-0			U
Phenol	<16.7	µg/kg	33.0	0		NC	0-0			U
Pyrene	<3.33	µg/kg	6.67	0		NC	0-0			U
Pyridine	<65.6	µg/kg	167	0		NC	0-0			U
Surr: 2,4,6-Tribromophenol	2410	µg/kg		3333		72.4	48-94			
Surr: 2-Fluorobiphenyl	2480	µg/kg		3333		74.4	50-103			
Surr: 2-Fluorophenol	2600	µg/kg		3333		77.9	43-105			
Surr: 4-Terphenyl-d14	2530	µg/kg		3333		76.0	55-111			
Surr: Nitrobenzene-d5	2160	µg/kg		3333		64.7	47-100			
Surr: Phenol-d6	2500	µg/kg		3333		74.9	49-110			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2319451-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 13:03

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	981	µg/kg	33.0	1333		73.6	57-101			
1,2,4,5-Tetrachlorobenzene	971	µg/kg	333	1333		72.8	54-98			
1-Methylnaphthalene	971	µg/kg	6.67	1333		72.8	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	948	µg/kg	33.0	1333		71.1	50-101			
2,3,4,6-Tetrachlorophenol	1070	µg/kg	67.0	1333		80.1	48-103			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2319451-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 13:03

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1010	µg/kg	33.0	1333		75.9	54-98			
2,4,6-Trichlorophenol	988	µg/kg	33.0	1333		74.1	56-97			
2,4-Dichlorophenol	929	µg/kg	33.0	1333		69.7	54-99			
2,4-Dimethylphenol	1010	µg/kg	33.0	1333		76.0	47-102			
2,4-Dinitrophenol	850	µg/kg	333	1333		63.8	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1020	µg/kg	33.0	1333		76.8	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1010	µg/kg	33.0	1333		75.4	62-103			
2-Chloronaphthalene	957	µg/kg	6.67	1333		71.8	57-101			
2-Chlorophenol	973	µg/kg	33.0	1333		73.0	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	967	µg/kg	33.0	1333		72.5	42-104			
2-Methylnaphthalene	955	µg/kg	6.67	1333		71.6	55-102			
2-Methylphenol (o-Cresol)	994	µg/kg	33.0	1333		74.6	54-103			
2-Nitroaniline	963	µg/kg	33.0	1333		72.2	57-103			
2-Nitrophenol	976	µg/kg	33.0	1333		73.2	52-102			
3&4-Methylphenol	960	µg/kg	33.0	1333		72.0	56-103			
3,3'-Dichlorobenzidine	773	µg/kg	167	1333		58.0	41-91			
3-Nitroaniline	737	µg/kg	33.0	1333		55.3	35-107			
4-Bromophenyl phenyl ether (BDE-3)	987	µg/kg	33.0	1333		74.0	63-104			
4-Chloro-3-methylphenol	986	µg/kg	33.0	1333		74.0	57-103			
4-Chloroaniline	1000	µg/kg	67.0	1333		75.0	32-99			
4-Chlorophenyl phenylether	1010	µg/kg	33.0	1333		75.7	62-100			
4-Nitroaniline	689	µg/kg	167	1333		51.7	19-124			
4-Nitrophenol	1030	µg/kg	333	1333		77.0	44-106			
Acenaphthene	972	µg/kg	6.67	1333		72.9	60-101			
Acenaphthylene	999	µg/kg	6.67	1333		75.0	59-101			
Acetophenone	948	µg/kg	33.0	1333		71.1	54-102			
Anthracene	997	µg/kg	6.67	1333		74.8	63-96			
Atrazine	1890	µg/kg	33.0	1333		142	60-110			S
Benzaldehyde	371	µg/kg	67.0	1333		27.8	10-143			
Benzo(a)anthracene	1030	µg/kg	6.67	1333		77.3	66-102			
Benzo(a)pyrene	1040	µg/kg	6.67	1333		78.3	66-105			
Benzo(b)fluoranthene	1030	µg/kg	6.67	1333		77.5	67-105			
Benzo(g,h,i)perylene	1030	µg/kg	6.67	1333		77.2	59-110			
Benzo(k)fluoranthene	1040	µg/kg	6.67	1333		78.0	68-106			
bis(2-Chloroethoxy)methane	948	µg/kg	33.0	1333		71.1	54-102			
bis(2-Chloroethyl) ether	953	µg/kg	33.0	1333		71.5	51-101			
Butyl benzyl phthalate	1010	µg/kg	67.0	1333		75.5	59-107			
Caprolactam	921	µg/kg	33.0	1333		69.1	49-103			
Carbazole	989	µg/kg	33.0	1333		74.2	63-103			
Chrysene	1000	µg/kg	6.67	1333		75.2	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1030	µg/kg	33.0	1333		77.6	63-101			
Dibenz(a,h) anthracene	1040	µg/kg	33.0	1333		78.2	61-109			
Dibenzofuran	1000	µg/kg	33.0	1333		75.0	61-101			
Diethyl phthalate	1010	µg/kg	33.0	1333		75.7	63-105			



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2319451-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 13:03

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Dimethyl phthalate	1000	µg/kg	33.0	1333		75.0	64-104			
Fluoranthene	1010	µg/kg	6.67	1333		75.7	66-105			
Fluorene	1000	µg/kg	6.67	1333		75.1	62-101			
Hexachlorobenzene	989	µg/kg	33.0	1333		74.2	61-104			
Hexachlorobutadiene	972	µg/kg	33.0	1333		72.9	52-99			
Hexachlorocyclopentadiene	800	µg/kg	33.0	1333		60.0	39-106			
Hexachloroethane	981	µg/kg	33.0	1333		73.6	59-99			
Indeno(1,2,3-cd) pyrene	1150	µg/kg	6.67	1333		86.0	57-114			
Isophorone	942	µg/kg	167	1333		70.7	55-101			
Methylphenol, Total	1950	µg/kg	67.0	2667		73.3	54-103			
Naphthalene	974	µg/kg	6.67	1333		73.1	54-99			
Nitrobenzene	925	µg/kg	167	1333		69.4	53-100			
n-Nitrosodi-n-propylamine	955	µg/kg	33.0	1333		71.6	52-104			
N-Nitrosodiphenylamine	981	µg/kg	33.0	1333		73.6	61-104			
Pentachlorophenol	993	µg/kg	33.0	1333		74.5	35-100			
Phenanthrene	998	µg/kg	6.67	1333		74.9	64-101			
Phenol	922	µg/kg	33.0	1333		69.2	51-107			
Pyrene	1040	µg/kg	6.67	1333		77.7	62-114			
Pyridine	797	µg/kg	167	1333		59.8	40-84			
Surr: 2,4,6-Tribromophenol	2480	µg/kg		3333		74.4	48-94			
Surr: 2-Fluorobiphenyl	2320	µg/kg		3333		69.7	50-103			
Surr: 2-Fluorophenol	2330	µg/kg		3333		69.8	43-105			
Surr: 4-Terphenyl-d14	2410	µg/kg		3333		72.2	55-111			
Surr: Nitrobenzene-d5	2120	µg/kg		3333		63.7	47-100			
Surr: Phenol-d6	2300	µg/kg		3333		69.1	49-110			

MS	CLIENT ID: Batch QC	Lab ID: QC-2319451-005
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 14:06

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	995	µg/kg	34.4	1308.5	<5.41	75.7	57-101			
1,2,4,5-Tetrachlorobenzene	1010	µg/kg	347	1308.5	<7.69	76.8	54-98			
1-Methylnaphthalene	1020	µg/kg	6.94	1308.5	<4.80	77.7	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	967	µg/kg	34.4	1308.5	<7.81	73.9	50-101			
2,3,4,6-Tetrachlorophenol	1050	µg/kg	69.4	1308.5	<24.4	80.1	48-103			
2,4,5-Trichlorophenol	1030	µg/kg	34.4	1308.5	<19.8	79.0	54-98			
2,4,6-Trichlorophenol	1110	µg/kg	34.4	1308.5	<8.87	84.9	56-97			
2,4-Dichlorophenol	971	µg/kg	34.4	1308.5	<17.9	74.2	54-99			
2,4-Dimethylphenol	1020	µg/kg	34.4	1308.5	<17.1	77.9	47-102			
2,4-Dinitrophenol	382	µg/kg	347	1308.5	<244	29.2	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1060	µg/kg	34.4	1308.5	<21.6	81.3	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1050	µg/kg	34.4	1308.5	<8.51	80.1	62-103			
2-Chloronaphthalene	1020	µg/kg	6.94	1308.5	<4.66	77.9	57-101			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

MS	CLIENT ID: Batch QC	Lab ID: QC-2319451-005
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 14:06

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2-Chlorophenol	971	µg/kg	34.4	1308.5	<21.8	74.2	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	917	µg/kg	34.4	1308.5	<27.8	70.1	42-104			
2-Methylnaphthalene	974	µg/kg	6.94	1308.5	<3.39	74.4	55-102			
2-Methylphenol (o-Cresol)	995	µg/kg	34.4	1308.5	<9.01	76.1	54-103			
2-Nitroaniline	1010	µg/kg	34.4	1308.5	<18.5	77.2	57-103			
2-Nitrophenol	1020	µg/kg	34.4	1308.5	<9.50	77.6	52-102			
3&4-Methylphenol	978	µg/kg	34.4	1308.5	<18.2	74.8	56-103			
3,3'-Dichlorobenzidine	861	µg/kg	174	1308.5	<15.6	65.8	41-91			
3-Nitroaniline	739	µg/kg	34.4	1308.5	<19.4	56.5	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1020	µg/kg	34.4	1308.5	<18.3	78.3	63-104			
4-Chloro-3-methylphenol	1000	µg/kg	34.4	1308.5	<9.50	76.6	57-103			
4-Chloroaniline	1010	µg/kg	69.4	1308.5	<16.9	76.9	32-99			
4-Chlorophenyl phenylether	1050	µg/kg	34.4	1308.5	<9.21	80.5	62-100			
4-Nitroaniline	589	µg/kg	174	1308.5	<51.7	45.0	19-124			
4-Nitrophenol	1090	µg/kg	347	1308.5	<78.1	83.0	44-106			
Acenaphthene	1020	µg/kg	6.94	1308.5	<4.82	77.8	60-101			
Acenaphthylene	1030	µg/kg	6.94	1308.5	<5.78	79.0	59-101			
Acetophenone	946	µg/kg	34.4	1308.5	<5.22	72.3	54-102			
Anthracene	1030	µg/kg	6.94	1308.5	<4.70	78.9	63-96			
Atrazine	<19.5	µg/kg	34.4	1308.5	<19.5	0.00	60-110			SU
Benzaldehyde	350	µg/kg	69.4	1308.5	<51.2	26.8	10-143			
Benzo(a)anthracene	1050	µg/kg	6.94	1308.5	<5.76	80.2	66-102			
Benzo(a)pyrene	1080	µg/kg	6.94	1308.5	<4.09	82.9	66-105			
Benzo(b)fluoranthene	1090	µg/kg	6.94	1308.5	<4.97	83.1	67-105			
Benzo(g,h,i)perylene	1070	µg/kg	6.94	1308.5	<5.11	82.0	59-110			
Benzo(k)fluoranthene	1080	µg/kg	6.94	1308.5	<5.05	82.2	68-106			
bis(2-Chloroethoxy)methane	967	µg/kg	34.4	1308.5	<21.1	73.9	54-102			
bis(2-Chloroethyl) ether	965	µg/kg	34.4	1308.5	<9.44	73.7	51-101			
Butyl benzyl phthalate	1050	µg/kg	69.4	1308.5	<41.7	80.3	59-107			
Caprolactam	973	µg/kg	34.4	1308.5	<30.1	74.4	49-103			
Carbazole	1020	µg/kg	34.4	1308.5	<9.82	78.1	63-103			
Chrysene	1050	µg/kg	6.94	1308.5	<5.69	80.6	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1070	µg/kg	34.4	1308.5	32.5	79.7	63-101			
Dibenz(a,h) anthracene	1070	µg/kg	34.4	1308.5	<3.60	82.1	61-109			
Dibenzofuran	1040	µg/kg	34.4	1308.5	<4.90	79.5	61-101			
Diethyl phthalate	1030	µg/kg	34.4	1308.5	<11.3	78.7	63-105			
Dimethyl phthalate	1030	µg/kg	34.4	1308.5	<6.50	78.8	64-104			
Fluoranthene	1050	µg/kg	6.94	1308.5	<3.20	80.2	66-105			
Fluorene	1040	µg/kg	6.94	1308.5	<4.84	79.6	62-101			
Hexachlorobenzene	1020	µg/kg	34.4	1308.5	<9.70	77.8	61-104			
Hexachlorobutadiene	987	µg/kg	34.4	1308.5	<7.85	75.4	52-99			
Hexachlorocyclopentadiene	887	µg/kg	34.4	1308.5	<32.6	67.8	39-106			
Hexachloroethane	969	µg/kg	34.4	1308.5	<13.8	74.1	59-99			
Indeno(1,2,3-cd) pyrene	1180	µg/kg	6.94	1308.5	<4.64	90.5	57-114			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

MS		CLIENT ID: Batch QC				Lab ID: QC-2319451-005				
Method: EPA 8270E		Dilution: 1				Analysis Date: 11/06/25 14:06				
						Prep Date: 11/05/25 12:26				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Isophorone	965	µg/kg	174	1308.5	<6.51	73.8	55-101			
Methylphenol, Total	1970	µg/kg	67.0	2618	<9.01	75.4	54-103			
Naphthalene	995	µg/kg	6.94	1308.5	<4.26	76.0	54-99			
Nitrobenzene	961	µg/kg	174	1308.5	<11.2	73.5	53-100			
n-Nitrosodi-n-propylamine	963	µg/kg	34.4	1308.5	<5.50	73.6	52-104			
N-Nitrosodiphenylamine	1030	µg/kg	34.4	1308.5	<19.3	78.5	61-104			
Pentachlorophenol	1090	µg/kg	34.4	1308.5	<26.5	83.1	35-100			
Phenanthrene	1020	µg/kg	6.94	1308.5	<3.10	77.9	64-101			
Phenol	934	µg/kg	34.4	1308.5	<16.7	71.4	51-107			
Pyrene	1090	µg/kg	6.94	1308.5	<3.33	83.0	52-114			
Pyridine	834	µg/kg	174	1308.5	<65.6	63.8	40-84			
Surr: 2,4,6-Tribromophenol	2570	µg/kg		3271.7		78.6	48-94			
Surr: 2-Fluorobiphenyl	2420	µg/kg		3271.7		74.1	50-103			
Surr: 2-Fluorophenol	2380	µg/kg		3271.7		72.7	43-105			
Surr: 4-Terphenyl-d14	2490	µg/kg		3271.7		76.1	55-111			
Surr: Nitrobenzene-d5	2180	µg/kg		3271.7		66.7	47-100			
Surr: Phenol-d6	2360	µg/kg		3271.7		72.2	49-110			

MSD		CLIENT ID: Batch QC				Lab ID: QC-2319451-006				
Method: EPA 8270E		Dilution: 1				Analysis Date: 11/06/25 14:27				
						Prep Date: 11/05/25 12:26				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1020	µg/kg	34.5	1312.7	<5.41	77.2	57-101	2.21	30	
1,2,4,5-Tetrachlorobenzene	1010	µg/kg	348	1312.7	<7.69	77.0	54-98	0.580	30	
1-Methylnaphthalene	1030	µg/kg	6.96	1312.7	<4.80	78.1	56-100	0.898	30	
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	962	µg/kg	34.5	1312.7	<7.81	73.3	50-101	0.428	30	
2,3,4,6-Tetrachlorophenol	1040	µg/kg	69.6	1312.7	<24.4	79.4	48-103	0.495	30	
2,4,5-Trichlorophenol	1060	µg/kg	34.5	1312.7	<19.8	80.6	54-98	2.26	30	
2,4,6-Trichlorophenol	1060	µg/kg	34.5	1312.7	<8.87	80.9	56-97	4.51	30	
2,4-Dichlorophenol	973	µg/kg	34.5	1312.7	<17.9	74.1	54-99	0.185	30	
2,4-Dimethylphenol	1020	µg/kg	34.5	1312.7	<17.1	77.7	47-102	0.0626	30	
2,4-Dinitrophenol	<244	µg/kg	348	1312.7	<244	26.4	10-100	NC		U
2,4-Dinitrotoluene (2,4-DNT)	1060	µg/kg	34.5	1312.7	<21.6	81.0	62-105	0.112	30	
2,6-Dinitrotoluene (2,6-DNT)	1050	µg/kg	34.5	1312.7	<8.51	80.1	62-103	0.320	30	
2-Chloronaphthalene	1010	µg/kg	6.96	1312.7	<4.66	76.9	57-101	0.972	30	
2-Chlorophenol	966	µg/kg	34.5	1312.7	<21.8	73.6	52-102	0.560	30	
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	844	µg/kg	34.5	1312.7	<27.8	64.3	42-104	8.32	30	
2-Methylnaphthalene	1010	µg/kg	6.96	1312.7	<3.39	76.6	55-102	3.23	30	
2-Methylphenol (o-Cresol)	1000	µg/kg	34.5	1312.7	<9.01	76.3	54-103	0.582	30	
2-Nitroaniline	1000	µg/kg	34.5	1312.7	<18.5	76.4	57-103	0.657	30	
2-Nitrophenol	1030	µg/kg	34.5	1312.7	<9.50	78.7	52-102	1.66	30	
3&4-Methylphenol	999	µg/kg	34.5	1312.7	<18.2	76.1	56-103	2.04	30	
3,3'-Dichlorobenzidine	846	µg/kg	174	1312.7	<15.6	64.5	41-91	1.75	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

MSD	CLIENT ID: Batch QC	Lab ID: QC-2319451-006
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 14:27

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
3-Nitroaniline	690	µg/kg	34.5	1312.7	<19.4	52.6	35-107	6.92	30	
4-Bromophenyl phenyl ether (BDE-3)	1020	µg/kg	34.5	1312.7	<18.3	77.8	63-104	0.321	30	
4-Chloro-3-methylphenol	1020	µg/kg	34.5	1312.7	<9.50	77.5	57-103	1.49	30	
4-Chloroaniline	1030	µg/kg	69.6	1312.7	<16.9	78.2	32-99	1.93	30	
4-Chlorophenyl phenylether	1060	µg/kg	34.5	1312.7	<9.21	80.4	62-100	0.258	30	
4-Nitroaniline	571	µg/kg	174	1312.7	<51.7	43.5	19-124	3.19	30	
4-Nitrophenol	1100	µg/kg	348	1312.7	<78.1	83.5	44-106	0.981	30	
Acenaphthene	1010	µg/kg	6.96	1312.7	<4.82	77.3	60-101	0.390	30	
Acenaphthylene	1050	µg/kg	6.96	1312.7	<5.78	80.1	59-101	1.64	30	
Acetophenone	980	µg/kg	34.5	1312.7	<5.22	74.7	54-102	3.52	30	
Anthracene	1060	µg/kg	6.96	1312.7	<4.70	81.0	63-96	2.95	30	
Atrazine	<19.5	µg/kg	34.5	1312.7	<19.5	0.00	60-110			SU
Benzaldehyde	320	µg/kg	69.6	1312.7	<51.2	24.4	10-143	9.07	30	
Benzo(a)anthracene	1050	µg/kg	6.96	1312.7	<5.76	79.9	66-102	0.0551	30	
Benzo(a)pyrene	1100	µg/kg	6.96	1312.7	<4.09	84.2	66-105	1.88	30	
Benzo(b)fluoranthene	1070	µg/kg	6.96	1312.7	<4.97	81.9	67-105	1.20	30	
Benzo(g,h,i)perylene	1080	µg/kg	6.96	1312.7	<5.11	82.0	59-110	0.259	30	
Benzo(k)fluoranthene	1120	µg/kg	6.96	1312.7	<5.05	85.4	68-106	4.14	30	
bis(2-Chloroethoxy)methane	962	µg/kg	34.5	1312.7	<21.1	73.3	54-102	0.428	30	
bis(2-Chloroethyl) ether	993	µg/kg	34.5	1312.7	<9.44	75.6	51-101	2.87	30	
Butyl benzyl phthalate	1050	µg/kg	69.6	1312.7	<41.7	79.7	59-107	0.368	30	
Caprolactam	1010	µg/kg	34.5	1312.7	<30.1	76.6	49-103	3.24	30	
Carbazole	1030	µg/kg	34.5	1312.7	<9.82	78.4	63-103	0.703	30	
Chrysene	1070	µg/kg	6.96	1312.7	<5.69	81.2	66-105	1.06	30	
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1090	µg/kg	34.5	1312.7	32.5	80.7	63-101	1.47	30	
Dibenz(a,h) anthracene	1080	µg/kg	34.5	1312.7	<3.60	82.4	61-109	0.685	30	
Dibenzofuran	1040	µg/kg	34.5	1312.7	<4.90	79.4	61-101	0.194	30	
Diethyl phthalate	1050	µg/kg	34.5	1312.7	<11.3	80.2	63-105	2.15	30	
Dimethyl phthalate	1050	µg/kg	34.5	1312.7	<6.50	80.3	64-104	2.14	30	
Fluoranthene	1060	µg/kg	6.96	1312.7	<3.20	81.1	66-105	1.50	30	
Fluorene	1040	µg/kg	6.96	1312.7	<4.84	79.2	62-101	0.184	30	
Hexachlorobenzene	1000	µg/kg	34.5	1312.7	<9.70	76.2	61-104	1.82	30	
Hexachlorobutadiene	970	µg/kg	34.5	1312.7	<7.85	73.9	52-99	1.76	30	
Hexachlorocyclopentadiene	850	µg/kg	34.5	1312.7	<32.6	64.7	39-106	4.36	30	
Hexachloroethane	959	µg/kg	34.5	1312.7	<13.8	73.1	59-99	1.04	30	
Indeno(1,2,3-cd) pyrene	1200	µg/kg	6.96	1312.7	<4.64	91.2	57-114	1.09	30	
Isophorone	989	µg/kg	174	1312.7	<6.51	75.3	55-101	2.40	30	
Methylphenol, Total	2000	µg/kg	67.0	2626.3	<9.01	76.1	54-103	1.31	30	
Naphthalene	967	µg/kg	6.96	1312.7	<4.26	73.7	54-99	2.82	30	
Nitrobenzene	945	µg/kg	174	1312.7	<11.2	72.0	53-100	1.74	30	
n-Nitrosodi-n-propylamine	1010	µg/kg	34.5	1312.7	<5.50	77.3	52-104	5.22	30	
N-Nitrosodiphenylamine	1020	µg/kg	34.5	1312.7	<19.3	77.5	61-104	0.963	30	
Pentachlorophenol	1040	µg/kg	34.5	1312.7	<26.5	79.4	35-100	4.30	30	
Phenanthrene	1010	µg/kg	6.96	1312.7	<3.10	76.7	64-101	1.17	30	
Phenol	999	µg/kg	34.5	1312.7	<16.7	76.1	51-107	6.69	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2319451

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3667671

MSD	CLIENT ID: Batch QC	Lab ID: QC-2319451-006
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Method: EPA 8270E

Dilution: 1

Analysis Date: 11/06/25 14:27

Prep Date: 11/05/25 12:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Pyrene	1070	µg/kg	6.96	1312.7	<3.33	81.8	52-114	1.14	30	
Pyridine	809	µg/kg	174	1312.7	<65.6	61.6	40-84	3.11	30	
Surr: 2,4,6-Tribromophenol	2520	µg/kg		3282.2		76.8	48-94	2.05	30	
Surr: 2-Fluorobiphenyl	2370	µg/kg		3282.2		72.2	50-103	2.17	30	
Surr: 2-Fluorophenol	2330	µg/kg		3282.2		71.0	43-105	2.05	30	
Surr: 4-Terphenyl-d14	2520	µg/kg		3282.2		76.9	55-111	1.34	30	
Surr: Nitrobenzene-d5	2160	µg/kg		3282.2		65.8	47-100	1.10	30	
Surr: Phenol-d6	2380	µg/kg		3282.2		72.6	49-110	0.872	30	

The following samples were analyzed in this batch: HN2516062-001



Client: The Mannik & Smith Group, Inc.
Project: DETR0060 - 12311 Findlay
Matrix: SOIL/SOLID
QC Lot: 2334132

Work Order: HN2516062
Date Collected: NA
Date Received: NA
Run ID: 3686395

TCLP Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2334132-001
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Method: EPA 8081B

Dilution: 1

Analysis Date: 11/13/25 16:53

Prep Date: 11/13/25 12:25

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chlordane, Technical	<0.0340	µg/L	0.500	0		NC	0-0			U
Endrin	<0.00851	µg/L	0.0100	0		NC	0-0			U
gamma-BHC (Lindane)	<0.00832	µg/L	0.0100	0		NC	0-0			U
Heptachlor	<0.00760	µg/L	0.0100	0		NC	0-0			U
Heptachlor epoxide	<0.00796	µg/L	0.0100	0		NC	0-0			U
Methoxychlor	<0.00989	µg/L	0.0100	0		NC	0-0			U
Toxaphene	<0.110	µg/L	2.00	0		NC	0-0			U
Surr: Decachlorobiphenyl	0.281	µg/L		0.25		112	0.42-148			
Surr: Tetrachloro-m-xylene	0.137	µg/L		0.25		54.8	57-141			S

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2334132-002
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Method: EPA 8081B

Dilution: 1

Analysis Date: 11/13/25 17:05

Prep Date: 11/13/25 12:25

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin	0.195	µg/L	0.0100	0.2		97.5	43-176			
gamma-BHC (Lindane)	0.199	µg/L	0.0100	0.2		99.4	63-158			
Heptachlor	0.168	µg/L	0.0100	0.2		84.2	47-166			
Heptachlor epoxide	0.202	µg/L	0.0100	0.2		101	63-164			
Methoxychlor	0.169	µg/L	0.0100	0.2		84.3	36-176			
Surr: Decachlorobiphenyl	0.275	µg/L		0.25		110	42-148			
Surr: Tetrachloro-m-xylene	0.201	µg/L		0.25		80.6	57-141			

DLCS	CLIENT ID: Laboratory Control Sample Duplicate	Lab ID: QC-2334132-003
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Method: EPA 8081B

Dilution: 1

Analysis Date: 11/13/25 17:16

Prep Date: 11/13/25 12:25

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin	0.197	µg/L	0.0100	0.2		98.4	43-176	0.919	20	
gamma-BHC (Lindane)	0.197	µg/L	0.0100	0.2		98.6	63-158	0.808	20	
Heptachlor	0.174	µg/L	0.0100	0.2		87.1	47-166	3.39	20	
Heptachlor epoxide	0.202	µg/L	0.0100	0.2		101	63-164	0.00	20	
Methoxychlor	0.169	µg/L	0.0100	0.2		84.7	36-176	0.473	20	
Surr: Decachlorobiphenyl	0.267	µg/L		0.25		107	42-148	3.10	30	
Surr: Tetrachloro-m-xylene	0.178	µg/L		0.25		71.4	57-141	12.1	30	

The following samples were analyzed in this batch: HN2516062-001