

DRAFT

FILL MATERIAL SAMPLING REPORT

3999 HARDING STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48214



MARCH 12, 2026
REVISED: APRIL 10, 2026

PREPARED FOR:

THE CITY OF DETROIT DEMOLITION DEPARTMENT

1301 THIRD STREET, SUITE 606

DETROIT, MICHIGAN 48226



FILL MATERIAL SAMPLING REPORT

3999 HARDING STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48214

PREPARED BY: _____

OLIVIA MITCHELL

ENVIRONMENTAL SCIENTIST

REVIEWED BY: _____

MARK SCHULT, PhD, CPG

SENIOR PROJECT MANAGER

REVIEWED AND
APPROVED BY: _____

RYAN MONTRI, CPG

SENIOR PROJECT MANAGER

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 3999 Harding Street, Detroit, Wayne County, Michigan (hereinafter, the "Site"). The Site location, as referenced to nearby roads and major geographic features, is shown on Figure 1, *Site Location Map*. Figure 2, *Site Layout*, depicts the current layout of the Site.

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

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

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

- The stratigraphy encountered during soil boring advancement of 3999 SB01, 3999 SB02, and 3999 SB03 generally consisted of brown to dark brown and gray silty sand and clay to six (6) feet below ground surface (bgs), the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, concrete debris was observed in 3999 SB03.
- Concentrations of arsenic and chromium (Total) were detected in soil samples 3999 SB01 (1-2')_20260211 and/or 3999 SB03 (5-6')_20260211 in excess of Part 201 groundwater surface water interface protection criteria (GSIPC), drinking water protection criteria (DWPC), and/or direct contact criteria (DCC).
- Concentrations of naphthalene were detected in soil sample 3999 SB01 (1-2')_20260211 in excess of soil volatilization to indoor air pathway (SVIAP).
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, 4,4'-DDE, 4,4-DDT, acenaphthene, anthracene, alpha-chlordane, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, carbazole, chlordane technical, chloride, chrysene, copper, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, lead, mercury, phenanthrene, pyrene, and zinc were detected in soil samples 3999 SB01 (1-2')_20260211, 3999 SB02 (3-4')_20260211, and/or 3999 SB03 (5-6')_20260211 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 lead 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*.
- VOCs, PCBs, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD,

and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface water exposure pathway can be considered not applicable. Since the building on site has been razed, the SVIAP is not currently complete, however, consideration may need to be given to this pathway if future construction is planned. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

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

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

DRAFT

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 Decontamination.....	2
3.4 Analytical Methods	2
3.5 Quality Assurance/Quality Control.....	3
4.0 Summary of Results	3
4.1 Site Geology and Hydrogeology	3
4.2 Soil Sample Analytical Results	3
4.3 Toxicity Characteristic Leaching Procedure (TCLP) Analytical Results.....	3
4.4 Exposure Evaluation.....	4
5.0 Findings	4
 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 Report
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 3999 Harding Street, Detroit, Wayne County, Michigan (hereinafter, the "Site"). The Site location as referenced to nearby roads and major geographic features is presented as *Figure 1, Site Location Map*. *Figure 2, Site Layout*, depicts the current layout of the Site.

The purpose of this work was to assist the COD's blight remediation efforts with the sampling and analysis of fill material at the Site through soil sample collection from pre-determined depths. The scope of work for this investigation was performed in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. This report presents the findings of this investigation. Soil samples were collected by MSG on February 11, 2026. The findings of this report are valid as of the report date, subject to the limitations presented in *Appendix A, Limitations*.

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

2.0 PURPOSE AND SCOPE OF WORK

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

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

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

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

3.0 SITE ASSESSMENT METHODOLOGY

The following subsections describe the methodologies employed by MSG at the Site during sampling activities that were conducted on February 11, 2026. A daily field activity report prepared by MSG is presented in *Appendix B, Daily Field Report*.

3.1 Preliminary Site Work Activities

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

3.2 Soil Sample Collection

The sampling plan for the Site was based on the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and modified in the field (if necessary) based on encountered conditions and professional judgment of MSG's field personnel. MSG advanced three (3) soil borings, designated 3999 SB01, 3999 SB02, and 3999 SB03, using a direct push drill rig at the locations depicted on Figure 2. Photographs collected during the completion of this work are provided in *Appendix C, Investigation Photographs*.

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

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

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

3.3 Decontamination

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

3.4 Analytical Methods

A total of three (3) soil samples designated 3999 SB01 (1-2')_20260211, 3999 SB02 (3-4')_20260211, and 3999 SB03 (5-6')_20260211, were collected as part of this investigation. These soil samples were submitted to ALS Environmental Laboratory (ALS) in Holland, Michigan for laboratory analysis of the following parameters per the requested parameters as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025:

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

3.5 Quality Assurance/Quality Control

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

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

4.0 SUMMARY OF RESULTS

The following subsections include a discussion of the soil samples that were collected from the Site on February 11, 2026.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 3999 SB01, 3999 SB02, and 3999 SB03 generally consisted of brown to dark brown and gray silty sand and clay to six (6) feet below ground surface (bgs), the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, concrete debris was observed in 3999 SB03.

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

4.2 Soil Sample Analytical Results

Three (3) soil samples, designated 3999 SB01 (1-2')_20260211, 3999 SB02 (3-4')_20260211, and 3999 SB03 (5-6')_20260211, were collected from the Site and submitted to ALS for laboratory analysis of VOCs, SVOCs, PCBs, Michigan 10 Metals, chloride, herbicides, and pesticides.

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

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

Chemical	CAS Number	Soil Sample (feet bgs)	Part 201 GRCC Exceeded / Concentration ($\mu\text{g}/\text{kg}^1$)	Maximum Detected Concentration ($\mu\text{g}/\text{kg}$)
Arsenic	7440-38-2	3999 SB01 (1-2)_20260211 3999 SB03 (5-6)_20260211	GSIPC ² / 4,600 DWPC ³ / 4,600 DCC ⁴ / 7,600	11,800
Chromium (Total)	7440-47-3	3999 SB03 (5-6)_20260211	GSIPC / 3,300	21,100

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

²GSIPC – Groundwater Surface Water Interface Protection Criteria

³DWPC – Drinking Water Protection Criteria

⁴DCC – Direct Contact Criteria

4.3 Toxicity Characteristic Leaching Procedure (TCLP) Analytical Results

Lead was 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.

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 COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. Since the building on site has been razed, the SVIAP is not currently complete, however, consideration may need to be given to this pathway if future construction is planned. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

5.0 FINDINGS

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

- The stratigraphy encountered during soil boring advancement of 3999 SB01, 3999 SB02, and 3999 SB03 generally consisted of brown to dark brown and gray silty sand and clay to six (6) feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, concrete debris was observed in 3999 SB03.
- Concentrations of arsenic and chromium (Total) were detected in soil samples 3999 SB01 (1-2')_20260211 and/or 3999 SB03 (5-6')_20260211 in excess of Part 201 GSIPC, DWPC, and/or DCC.
- Concentrations of naphthalene were detected in soil sample 3999 SB01 (1-2')_20260211 excess of SVIAP.
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, 4,4'-DDE, 4,4-DDT, acenaphthene, anthracene, alpha-chlordane, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, carbazole, chlordane technical, chloride, chrysene, copper, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, lead, mercury, phenanthrene, pyrene, and zinc were detected in soil samples 3999 SB01 (1-2')_20260211, 3999 SB02 (3-4')_20260211, and/or 3999 SB03 (5-6')_20260211 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 lead 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*.
- VOCs, PCBs, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the 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. Since the building on site has been razed, the SVIAP is not currently complete, however, consideration may need to be given to this pathway if future construction is planned. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

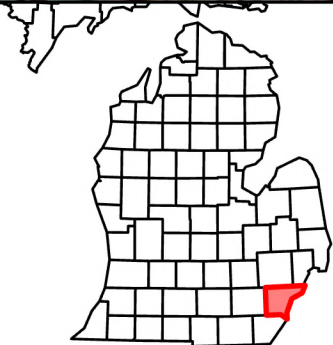
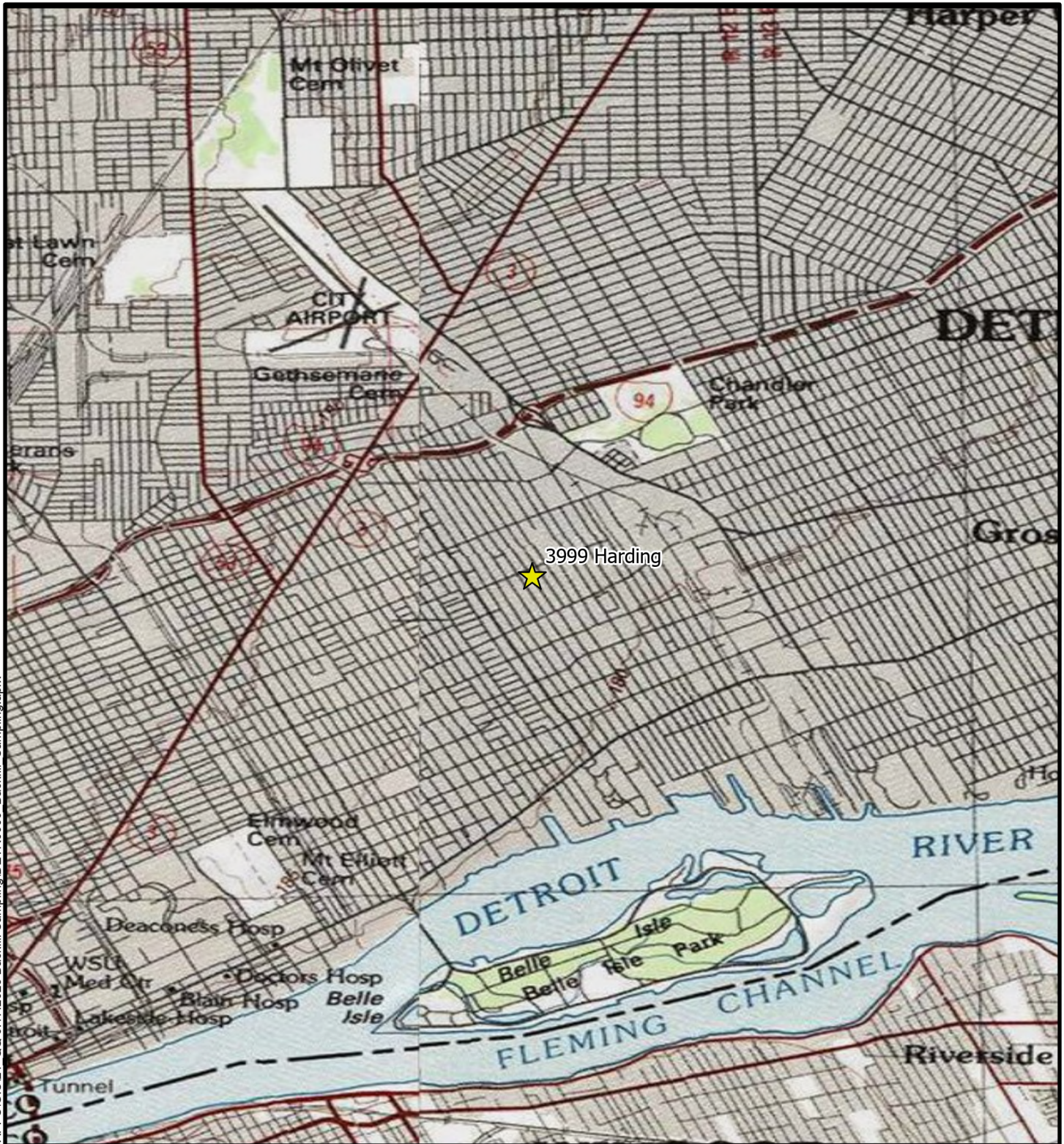
MSG has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the state's Part 201 GRCC, as applicable.

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

DRAFT

FIGURES





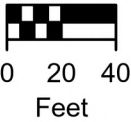
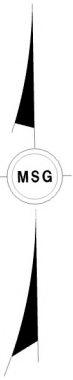
★ Site Location



FIGURE 1
SITE LOCATION

3999 Harding, Detroit, MI

DATE 1/8/2026	DRAWN BY JWW	DESIGNED BY JWW	PROJECT NO. DETRO060
------------------	-----------------	--------------------	-------------------------



-  Sample Locations
-  Parcels (Current)
-  Subject Property

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



FIGURE 2
Site Layout

3999 Harding, Detroit, MI

DATE 1/6/2026	DRAWN BY JWW	DESIGNED BY KRB	PROJECT NO. DETR0060
------------------	-----------------	--------------------	-------------------------

TABLES



Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
3999 Harding, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 and Volatilization to Indoor Air Pathway Screening Levels Revised February 26, 2024			Inorganic Anions/Ions	Metals							Pesticides			
			Chloride	Arsenic (B)	Barium (B)	Chromium, Total (B)	Copper (B)	Lead (B)	Mercury (B)	Zinc (B)	4,4'-DDE	4,4'-DDT	Alpha-Chlordane	Chlordane, technical
CAS Number			16887-00-6	7440-38-2	7440-39-3	7440-47-3	7440-50-8	7439-92-1	7439-97-6	7440-66-6	72-55-9	50-29-3	5103-71-9	12789-03-6
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Statewide Default Background Levels			NC	5,800	75,000	18,000	32,000	21,000	130	47,000	NC	NC	NC	NC
Drinking Water Protection Criteria (DWPC)			5.00E+06	4,600	1.30E+06	30,000	5.80E+06	7.00E+05	1,700	2.40E+06	NLL	NLL	NC	NC
Groundwater Surface Water Interface Protection Criteria (GSIPC)			NC	4,600	4.40E+05 ^(G)	3,300	75,000 ^(G)	6.00E+06 ^(G)	50 ^(M,1,2)	1.60E+05	NLL	NLL	NC	NC
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NC	NLV	NLV	NC	NLV	NLV	48,000	NC	NLV	NLV	NC	NC
Soil Volatilization to Indoor Air Pathway (SVIAP)			NC	NC	NC	NC	NC	NC	22 ^(M)	NC	39,000	NC	NC	NC
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NC	NLV	NLV	NC	NLV	NLV	52,000	NC	NLV	NLV	NC	NC
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NC	NLV	NLV	NC	NLV	NLV	52,000	NC	NLV	NLV	NC	NC
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NC	NLV	NLV	NC	NLV	NLV	52,000	NC	NLV	NLV	NC	NC
Particulate Soil Inhalation Criteria (PSIC)			NC	7.20E+05	3.30E+08	2.60E+05	1.30E+08	1.00E+08	2.00E+07	NC	3.20E+07	3.20E+07	NC	NC
Direct Contact Criteria (DCC)			5.00E+05	7,600	3.70E+07	2.50E+06	2.00E+07	4.00E+05	1.60E+05	1.70E+08	45,000	57,000	NC	NC
Soil Saturation Concentration Screening Levels (Csat)			NC	NA	NA	NC	NA	NA	NA	NC	NA	NA	NC	NC
Sample ID	Sample Depth (ft)	Sample Date												
3999 SB01	1.0 - 2.0	02/11/2026	<4,000	6,530	61,900	11,600	21,400	117,000	108	104,000	79	24.2	15	95.3
3999 SB02	3.0 - 4.0	02/11/2026	<3,390	5,120	46,700	11,300	19,700	43,400	59.4	64,100	115	28.8	11.9	72.1
3999 SB03	5.0 - 6.0	02/11/2026	21,100	11,800	81,300	21,100	20,900	12,900	22.2	60,700	<7.71	<7.78	<7.82	<11.6

Notes

Only parameters with one or more detections are shown.

ug/kg = Micrograms per Kilogram.

Exceeds Generic Drinking Water Protection Criteria.

Exceeds Groundwater Surface Water Interface Protection Criteria.

Exceeds Applicable Soil Vapor Inhalation Criteria/Screening Levels.

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

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

Bold indicates concentration above laboratory reporting limits.

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

Part 201 GSIPC Hardness specific criteria (G) calculated using a regional hardness value of the lower portion of the lower peninsula, 150 mg CaCO3/L.

Notes in parentheses and standard abbreviations from Part 201 Rules 299.1 through 299.50, updated October 12, 2023.

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
3999 Harding, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 and Volatilization to Indoor Air Pathway Screening Levels Revised February 26, 2024			Semivolatile Organic Compounds (SVOCs)																			
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Carbazole	Chrysene	Dibenzo(A,H)Anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-Cd)Pyrene	Naphthalene	Phenanthrene	Pyrene
CAS Number			90-12-0	91-57-6	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	86-74-8	218-01-9	53-70-3	132-64-9	206-44-0	86-73-7	193-39-5	91-20-3	85-01-8	129-00-0
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Statewide Default Background Levels			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Drinking Water Protection Criteria (DWPC)			NC	57,000	3.00E+05	5,900	41,000	NLL	NLL	NLL	NLL	NLL	9,400	NLL	NLL	ID	7.30E+05	3.90E+05	NLL	35,000	56,000	4.80E+05
Groundwater Surface Water Interface Protection Criteria (GSIPC)			NC	4,200	8,700	ID	ID	NLL	NLL	NLL	NLL	NLL	1,100	NLL	NLL	1,700	5,500	5,300	NLL	730	2,100	ID
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NC	2.70E+06	1.90E+08	1.60E+06	1.00E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	2.00E+06	1.00E+09	5.80E+08	NLV	2.50E+05	2.80E+06	1.00E+09
Soil Volatilization to Indoor Air Pathway (SVIAP)			NC	1,700	2.00E+05	NC	1.30E+07	1.60E+05 ^(M)	NC	NC	NC	NC	NC	NC	NC	7.10E+06	NC	4.70E+05	NC	67 ^(M)	1,700	2.50E+07
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NC	1.50E+06	8.10E+07	2.20E+06	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	1.30E+05	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NC	1.50E+06	8.10E+07	2.20E+06	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	1.30E+05	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NC	1.50E+06	8.10E+07	2.20E+06	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	1.30E+05	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08
Particulate Soil Inhalation Criteria (PSIC)			NC	6.70E+08	1.40E+10	2.30E+09	6.70E+10	ID	1.50E+06	ID	8.00E+08	ID	6.20E+07	ID	ID	6.70E+06	9.30E+09	9.30E+09	ID	2.00E+08	6.70E+06	6.70E+09
Direct Contact Criteria (DCC)			NC	8.10E+06	4.10E+07	1.60E+06	2.30E+08	20,000	2,000	20,000	2.50E+06	2.00E+05	5.30E+05	2.00E+06	2,000	ID	4.60E+07	2.70E+07	20,000	1.60E+07	1.60E+06	2.90E+07
Soil Saturation Concentration Screening Levels (Csat)			NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample ID	Sample Depth (ft)	Sample Date																				
3999 SB01	1.0 - 2.0	02/11/2026	82.5	86.4	197	21.8	284	784	756	971	508	380	167	808	111	104	1,920	216	572	124	1,640	1,620
3999 SB02	3.0 - 4.0	02/11/2026	<26.5	<18.7	<26.6	<31.9	66.2	228	221	272	147	136	<54.2	228	<19.9	<27	530	<26.7	173	<23.5	309	423
3999 SB03	5.0 - 6.0	02/11/2026	<5.65	<3.99	<5.67	<6.8	<5.53	<6.77	<4.81	<5.85	<6.01	<5.94	<11.6	<6.34	<4.23	<5.76	11.8	<5.69	<5.46	<5.01	<3.65	7.84

Notes

Only parameters with one or more detections are shown.

ug/kg = Micrograms per Kilogram.

Exceeds Generic Drinking Water Protection Criteria.

Exceeds Groundwater Surface Water Interface Protection Criteria.

Exceeds Applicable Soil Vapor Inhalation Criteria/Screening Levels.

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

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

Bold indicates concentration above laboratory reporting limits.

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

Part 201 GSIPC Hardness specific criteria (G) calculated using a regional hardness value of the lower portion of the lower peninsula, 150 mg CaCO3/L.

Notes in parentheses and standard abbreviations from Part 201 Rules 299.1 through 299.50, updated October 12, 2023.

Table 2
TCLP Analytical Detection Summary

Detroit Backfill Sampling
3999 Harding, 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
Maximum Concentration of Contaminants for the Toxicity Characteristic		5.00
SAMPLE ID	SAMPLE DATE	
3999 SB01 (1-2')20260211	2/11/2026	<0.00000220

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 with satisfy "due diligence", "all appropriate inquiry," or any other similar standard under any federal, state, or local law.

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

APPENDIX B

DAILY FIELD REPORT





DAILY FIELD REPORT

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

Report No.: 1
Job No.: DETR0060

Date: <u>02/11/2026</u>	Day: <u>Wednesday</u>	Temp: <u>30 ° F</u> (AM) <u>N/A</u> (PM)	
MSG Personnel: <u>SRK, ZG, JF</u>		Cloud Cover: <u>100%</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>3; Geologist/Helper/Operator</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:
0845 – SRK onsite (3999 Harding Street) 0900 – ZG and JF onsite 0902 – Spoke to RM about property location and GPS discrepancies 0935 – Safety meeting. Unloaded and prepared equipment 0955 – Began drilling SB01 0957 – Finished drilling SB01 0958 – Began drilling SB02 1000 – Finished drilling SB02 1001 – Began drilling SB03 1003 – Finished drilling SB03 1009 – Sampled 3999 SB01 (1-2')_20260211 1020 – Sampled 3999 SB02 (3-4')_20260211 1032 – Sampled 3999 SB03 (5-6')_20260211 1035 – Packed up equipment 1038 – MSG off site

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

APPENDIX C

INVESTIGATION PHOTOGRAPHS





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



Photo 2: View of drilling at 3999 SB01, facing east.



Photo 3: Viewing 3999 SB01 soil recovery, facing southwest.



Photo 4: View of drilling at 3999 SB02, facing south.



Photo 5: Viewing 3999 SB02 soil recovery, facing southwest.



Photo 6: View of drilling at 3999 SB03, facing south.



Photo 7: Viewing 3999 SB03 soil recovery, facing southwest.



Photo 8: View of the Site post-drilling, facing southwest.

APPENDIX D

SOIL BORING LOGS





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

BOREHOLE NUMBER SB01

Sheet 1 of 1

CLIENT City of Detroit
PROJECT NUMBER DETR0060_3999 Harding
DATE STARTED 02-11-2026 **COMPLETED** 02-11-2026
DRILLING CONTRACTOR MSG
DRILLING METHOD Direct Push
EQUIPMENT Geoprobe 7822DT **Operator** JF

PROJECT NAME Backfill Soil Sampling
PROJECT LOCATION 3999 Harding, Detroit, MI
POSITION
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
LOGGED BY SRK **CHECKED BY** PDH
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
				Dark Brown, Silty SAND, Little Clay, Dry	0	Collected Soil Sample 3999 SB01 (1-2') _20260211 at 1009
			2.0	Gray, CLAY, Some Sand, Trace Gravel, Dry	0	
			2.8	Brown, Clayey SAND, Trace Gravel, Dry	0	
	ES	67	3.2	Dark Gray and Brown Mottled, Sandy CLAY, Dry	0	
5					0	
			6.0	Terminated at 6.00 ft.	0	
10						

LEGEND:

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



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

BOREHOLE NUMBER SB03

Sheet 1 of 1

CLIENT City of Detroit

PROJECT NAME Backfill Soil Sampling

PROJECT NUMBER DETR0060_3999 Harding

PROJECT LOCATION 3999 Harding, Detroit, MI

DATE STARTED 02-11-2026 **COMPLETED** 02-11-2026

POSITION

DRILLING CONTRACTOR MSG

SURFACE ELEVATION **FINAL DEPTH** 6.0 ft

DRILLING METHOD Direct Push

LOGGED BY SRK **CHECKED BY** PDH

EQUIPMENT Geoprobe 7822DT **Operator** JF

REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
				Topsoil, Dry		
			0.5	Dark Brown, Silty SAND, Little Clay, Trace Concrete Debris, Dry		
			1.0	Brown, Silty CLAY, Some Sand, Dry	0	
			2.5	Dark Brown, Silty SAND, Some Clay, Dry	0	
			3.0	Brown and Gray Mottled, Silty CLAY, Some Sand, Dry	0	
5	ES	33			0	Collected Soil Sample 3999 SB03 (5-6') _20260211 at 1032
			6.0	Terminated at 6.00 ft.	0	
10						

LEGEND:

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

APPENDIX E

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY FORMS





right solutions.
right partner.

February 19, 2026

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

Re: **3999 Harding**

Date Received: **02/12/2026**

Work Order: **HN2602078**

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: 3999 Harding

Work Order: HN2602078
Date Received: 12-Feb-2026

CASE NARRATIVE

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

Sample Receipt

3 soil/solid samples were received for analysis at ALS Environmental on 12-Feb-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

WorkOrder: HN2602078

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

Organics

EPA 8270E-FULL HN-3546-S

Run ID: 3886098

The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: See QC report.

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:

Benzaldehyde.

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): See QC report.

The MS recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: See QC report.

HN2602078-002: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

HN2602078-003: 4-Terphenyl-d14 - One or more of the surrogates were below the limits due to matrix interference.

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

Run ID: 3879885

The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloroethane (Ethyl chloride)

QC-2452833-002: 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: Chloroethane (Ethyl chloride)

QC-2452833-001: The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 2-butanone

EPA 8081B-3546-S (High)

Run ID: 3890936

HN2602078-001: The RPD between the sample results on the primary and confirmation columns exceeded 40%. The lower result was reported due to apparent chromatographic interference for: trans-Chlordane

HN2602078-002: The RPD between the sample results on the primary and confirmation columns exceeded 40%. The higher result was reported for: Heptachlor Epoxide

Run ID: 3890936

HN2602078-002: The RPD between the sample results on the primary and confirmation columns exceeded 40%. The lower result was reported due to apparent chromatographic interference for: trans-Chlordane

Run ID: 3885181

HN2602078-003: The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: a-BHC, g-BHC, b-BHC, d-BHC, Heptachlor, Aldrin, Heptachlor Epoxide, g-Chlordane, a-Chlordane, Endosulfan I, 4,4'-DDE, Dieldrin, Endrin, 4,4'-DDD, Endosulfan II, 4,4'-DDT, Endrin aldehyde, Methoxychlor, Endosulfan sulfate, Endrin ketone, DCB

Metals**EPA 6020B-3050B-S****Run ID: 3885486**

The MSD recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Zn batch 2456675

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 2456675

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 batch 2456675

The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba batch 2456675

The MS recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Zn batch 2456675

Samples HN2602078-001 through -003: The reporting limits are elevated for Cd, Se and Ag due to the dilutions needed for high concentrations of non-target analytes.

SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

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



CLIENT ID: 3999 SB01 (1-2')_20260211			Lab ID: HN2602078-001		
--------------------------------------	--	--	-----------------------	--	--

Analyte	Results	Flag	MRL	Units	Method
1-Methylnaphthalene	82.5		7.78	µg/kg	EPA 8270E
2-Methylnaphthalene	86.4		7.78	µg/kg	EPA 8270E
4,4'-DDE	79.0		11.7	µg/kg	EPA 8081B
4,4'-DDT	24.2		11.7	µg/kg	EPA 8081B
Acenaphthene	197		7.78	µg/kg	EPA 8270E
Acenaphthylene	21.8		7.78	µg/kg	EPA 8270E
Anthracene	284	S	7.78	µg/kg	EPA 8270E
Arsenic	6.53		3.61	mg/kg	EPA 6020B
Barium	61.9		3.61	mg/kg	EPA 6020B
Benzo(a)anthracene	784	S	7.78	µg/kg	EPA 8270E
Benzo(a)pyrene	756	S	7.78	µg/kg	EPA 8270E
Benzo(b)fluoranthene	971	S	7.78	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	508	S	7.78	µg/kg	EPA 8270E
Benzo(k)fluoranthene	380	S	7.78	µg/kg	EPA 8270E
Carbazole	167	S	38.5	µg/kg	EPA 8270E
Chlordane, Technical	95.3	V	29.2	µg/kg	EPA 8081B
Chromium	11.6		3.61	mg/kg	EPA 6020B
Chrysene	808	S	7.78	µg/kg	EPA 8270E
cis-Chlordane	15.0		11.7	µg/kg	EPA 8081B
Copper	21.4		3.61	mg/kg	EPA 6020B
Dibenz(a,h) anthracene	111		38.5	µg/kg	EPA 8270E
Dibenzofuran	104		38.5	µg/kg	EPA 8270E
Fluoranthene	1920		7.78	µg/kg	EPA 8270E
Fluorene	216	S	7.78	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	572	S	7.78	µg/kg	EPA 8270E
Lead	117	*	3.61	mg/kg	EPA 6020B
Mercury	0.108		0.0201	mg/kg	EPA 7471B
Naphthalene	124		7.78	µg/kg	EPA 8270E
Percent Moisture	14.9		0.1	%	EPA 3550C
Phenanthrene	1640		7.78	µg/kg	EPA 8270E
Pyrene	1620	S	7.78	µg/kg	EPA 8270E
Zinc	104		7.22	mg/kg	EPA 6020B

CLIENT ID: 3999 SB02 (3-4')_20260211			Lab ID: HN2602078-002		
--------------------------------------	--	--	-----------------------	--	--

Analyte	Results	Flag	MRL	Units	Method
4,4'-DDE	115		10.9	µg/kg	EPA 8081B
4,4'-DDT	28.8		10.9	µg/kg	EPA 8081B
Anthracene	66.2		36.8	µg/kg	EPA 8270E
Arsenic	5.12		3.34	mg/kg	EPA 6020B
Barium	46.7		3.34	mg/kg	EPA 6020B
Benzo(a)anthracene	228		36.8	µg/kg	EPA 8270E

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: 3999 SB02 (3-4')_20260211			Lab ID: HN2602078-002		
--------------------------------------	--	--	-----------------------	--	--

Analyte	Results	Flag	MRL	Units	Method
Benzo(a)pyrene	221	V	36.8	µg/kg	EPA 8270E
Benzo(b)fluoranthene	272		36.8	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	147		36.8	µg/kg	EPA 8270E
Benzo(k)fluoranthene	136		36.8	µg/kg	EPA 8270E
Chlordane, Technical	72.1		27.3	µg/kg	EPA 8081B
Chromium	11.3		3.34	mg/kg	EPA 6020B
Chrysene	228		36.8	µg/kg	EPA 8270E
cis-Chlordane	11.9		10.9	µg/kg	EPA 8081B
Copper	19.7		3.34	mg/kg	EPA 6020B
Fluoranthene	530		36.8	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	173		36.8	µg/kg	EPA 8270E
Lead	43.4		3.34	mg/kg	EPA 6020B
Mercury	0.0594		0.0209	mg/kg	EPA 7471B
Percent Moisture	11.2		0.1	%	EPA 3550C
Phenanthrene	309		36.8	µg/kg	EPA 8270E
Pyrene	423		36.8	µg/kg	EPA 8270E
Zinc	64.1		6.68	mg/kg	EPA 6020B

CLIENT ID: 3999 SB03 (5-6')_20260211			Lab ID: HN2602078-003		
--------------------------------------	--	--	-----------------------	--	--

Analyte	Results	Flag	MRL	Units	Method
Arsenic	11.8		3.41	mg/kg	EPA 6020B
Barium	81.3		3.41	mg/kg	EPA 6020B
Chloride	21.1		11.8	mg/kg	EPA 9056A
Chromium	21.1		3.41	mg/kg	EPA 6020B
Copper	20.9		3.41	mg/kg	EPA 6020B
Fluoranthene	11.8		7.84	µg/kg	EPA 8270E
Lead	12.9		3.41	mg/kg	EPA 6020B
Mercury	0.0222		0.0200	mg/kg	EPA 7471B
Percent Moisture	15.7		0.1	%	EPA 3550C
Pyrene	7.84		7.84	µg/kg	EPA 8270E
Zinc	60.7		6.82	mg/kg	EPA 6020B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Workorder: HN2602078

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2602078-001	3999 SB01 (1-2')_20260211	SOIL/SOLID	02/11/26 10:09	02/12/26 07:00
HN2602078-002	3999 SB02 (3-4')_20260211	SOIL/SOLID	02/11/26 10:20	02/12/26 07:00
HN2602078-003	3999 SB03 (5-6')_20260211	SOIL/SOLID	02/11/26 10:32	02/12/26 07:00

Work Order Reference
HN2602078

Environmental

ory location:

Chain of Custody Form

Page 1 of 1

Telephone : +1 616 399 6070

ALS Project Manager:

Work Order #:

Project Information

Parameter/Method Request for Analysis

Project Name	3999 Harding	A	VOCs (U.S. EPA Method 8260C (or Method 8260))
Project Number	DETR0060	B	SVOCs (U.S. EPA Method 8270D (or Method 8270))
Bill To Company	Mannik Smith Group	C	PCBs (U.S. EPA Method 8082)
Invoice Attn.		D	Mi 10 Metals (U.S. EPA 6000/7000 Series Methods)
Address	2365 South Haggerty Road	E	Chlorides (U.S. EPA Method 9056A)
		F	Pesticides (U.S. EPA Method 8081B (or Method 8081))
City/State/Zip	Canton, Mi 48188	G	Herbicides (U.S. EPA Method 8151A (or Method 8151))
Phone	734-397-3100	H	
Fax		I	
e-Mail Address	rmontri@mannaiksmithgroup.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	3999 SB01 (1-2')_2026 0211	12/26/26	1009	Soil	7	3	✓	✓	✓	✓	✓	✓	✓				
2	3999 SB02 (3-4')_2026 0211	12/26/26	1020	Soil	7	3	✓	✓	✓	✓	✓	✓	✓				
3	3999 SB03 (5-6')_2026 0211	12/26/26	1032	Soil	7	3	✓	✓	✓	✓	✓	✓	✓				
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign <i>Sharon Kormanik</i>		Shipment Method:		Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:	
Relinquished by: <i>Sharon Kormanik</i>		Date: 2/11/26	Time: 1515	Received by: <i>Colin</i>		Notes: Rec'd 2/12/26 0700 @ 28C	
Relinquished by: <i>[Signature]</i>		Date: 2/11/26	Time: 1700	Received by (Laboratory): <i>[Signature]</i>		QC Package: (Check Box Below)	
Logged by (Laboratory): DFS		Date: 2/12/26	Time: 0930	Checked by (Laboratory):		Cooler Temp. 126 2.5°C	Level II: Standard QC Level III: Std QC + Raw Data Level IV: SW846 CLP-Like Other:
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035						TRRP-Checklist TRRP Level IV	

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>

ALS copyright © 2024. All rights reserved.



ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by:

Diane F. Shaw

Date/Time:

2/12/26 0700

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):

2.5/2.5°C

Thermometer(s):

1RL6

Sample(s) received on ice?

☒ Yes / No

Matrix/Matrices:

Solid

Cooler(s)/Kit(s):

1

Date/Time sample(s) sent to storage:

2/12/26 1000

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:

HN-SHT-160-R01, Sample Receipt Checklist

REPORT QUALIFIERS AND DEFINITIONS

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

LABORATORY CERTIFICATIONS¹

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

1 – Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding

Work Order: HN2602078

Sample Name: 3999 SB01 (1-2')_20260211
Laboratory Code: HN2602078-001
Sample Matrix: SOIL/SOLID

Date Collected: 02/11/26
Date Received: 02/12/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AC	2452183		3877225	Nicole Maleski
EPA 6020B	EPA 3050B	001-AC	2456675	Weston Kotecki	3885486	Stephanie Pierson
EPA 7471B	Method	001-AC	2458267	Maxx Richey	3889612	Maxx Richey
EPA 8081B	EPA 3546	001-AC	2455413	Willow Julien	3890936	Madison VandenBer
EPA 8081B	EPA 3546	001-AC	2455413	Willow Julien	3891591	Madison VandenBer
EPA 8082A	EPA 3546	001-AC	2455412	Willow Julien	3885722	Quinn Garner
EPA 8151A	Method	001-AC	2454420	Rachel Plantinga	3887551	Kathy Malmyga
EPA 8260D	EPA 5035A	001-AA	2452831	Jonathan Vazquez	3879885	John Garvale
EPA 8270E	EPA 3546	001-AC	2455249	Rachel Plantinga	3886098	Sam Marcotte
EPA 9056A	EPA 9056A	001-AC	2452241	Sage Hansen	3881434	Katrina Grassel

Sample Name: 3999 SB02 (3-4')_20260211
Laboratory Code: HN2602078-002
Sample Matrix: SOIL/SOLID

Date Collected: 02/11/26
Date Received: 02/12/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		002-AC	2452183		3877225	Nicole Maleski
EPA 6020B	EPA 3050B	002-AC	2456675	Weston Kotecki	3885486	Stephanie Pierson
EPA 7471B	Method	002-AC	2458267	Maxx Richey	3889612	Maxx Richey
EPA 8081B	EPA 3546	002-AC	2455413	Willow Julien	3890936	Madison VandenBer
EPA 8081B	EPA 3546	002-AC	2455413	Willow Julien	3891591	Madison VandenBer
EPA 8082A	EPA 3546	002-AC	2455412	Willow Julien	3885722	Quinn Garner
EPA 8151A	Method	002-AC	2454420	Rachel Plantinga	3887551	Kathy Malmyga
EPA 8260D	EPA 5035A	002-AA	2452831	Jonathan Vazquez	3879885	John Garvale
EPA 8270E	EPA 3546	002-AC	2455249	Rachel Plantinga	3886098	Sam Marcotte
EPA 9056A	EPA 9056A	002-AC	2452241	Sage Hansen	3881434	Katrina Grassel

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding

Work Order: HN2602078

Sample Name: 3999 SB03 (5-6')_20260211
Laboratory Code: HN2602078-003
Sample Matrix: SOIL/SOLID

Date Collected: 02/11/26
Date Received: 02/12/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		003-AC	2452183		3877225	Nicole Maleski
EPA 6020B	EPA 3050B	003-AC	2456675	Weston Kotecki	3885486	Stephanie Pierson
EPA 7471B	Method	003-AC	2458267	Maxx Richey	3889612	Maxx Richey
EPA 8081B	EPA 3546	003-AC	2455413	Willow Julien	3885181	Madison VandenBer
EPA 8082A	EPA 3546	003-AC	2455412	Willow Julien	3885722	Quinn Garner
EPA 8151A	Method	003-AC	2454420	Rachel Plantinga	3887551	Kathy Malmyga
EPA 8260D	EPA 5035A	003-AA	2452831	Jonathan Vazquez	3879885	John Garvale
EPA 8270E	EPA 3546	003-AC	2455249	Rachel Plantinga	3886098	Sam Marcotte
EPA 9056A	EPA 9056A	003-AC	2452241	Sage Hansen	3881434	Katrina Grassel

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.60	U	µg/kg	14.1	1	02/18/26 01:32	02/13/26 19:01
2,4,5-TP (Silvex)	EPA 8151A	<4.63	U	µg/kg	14.1	1	02/18/26 01:32	02/13/26 19:01
2,4-D	EPA 8151A	<7.54	U	µg/kg	28.2	1	02/18/26 01:32	02/13/26 19:01
Surr: DCAA	EPA 8151A	68.0		%REC	10-116	1	02/18/26 01:32	02/13/26 19:01
General Chemistry Parameters								
Percent Moisture	EPA 3550C	14.9		%	0.1	1	02/12/26 16:44	NA
Chloride	EPA 9056A	<4.00	U	mg/kg	12.9	1	02/13/26 18:26	02/12/26 16:37
Metals								
Arsenic	EPA 6020B	6.53		mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Barium	EPA 6020B	61.9		mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Cadmium	EPA 6020B	<0.216	U	mg/kg	1.44	10	02/17/26 19:39	02/17/26 09:16
Chromium	EPA 6020B	11.6		mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Copper	EPA 6020B	21.4		mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Lead	EPA 6020B	117	*	mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Selenium	EPA 6020B	<3.32	U	mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Silver	EPA 6020B	<0.476	U	mg/kg	3.61	10	02/17/26 19:39	02/17/26 09:16
Zinc	EPA 6020B	104		mg/kg	7.22	10	02/17/26 19:39	02/17/26 09:16
Mercury	EPA 7471B	0.108		mg/kg	0.0201	1	02/19/26 10:45	02/18/26 13:37
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<7.45	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
4,4'-DDE	EPA 8081B	79.0		µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
4,4'-DDT	EPA 8081B	24.2		µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Aldrin	EPA 8081B	<7.58	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
alpha-BHC	EPA 8081B	<7.68	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
beta-BHC	EPA 8081B	<7.66	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Chlordane, Technical	EPA 8081B	95.3	V	µg/kg	29.2	1	02/18/26 21:07	02/14/26 13:11
cis-Chlordane	EPA 8081B	15.0		µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
delta-BHC	EPA 8081B	<7.64	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Dieldrin	EPA 8081B	<8.16	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<7.84	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Endosulfan II	EPA 8081B	<7.72	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Endosulfan sulfate	EPA 8081B	<7.17	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Endrin	EPA 8081B	<9.44	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Endrin aldehyde	EPA 8081B	<7.39	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Endrin ketone	EPA 8081B	<7.10	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
gamma-BHC (Lindane)	EPA 8081B	<7.65	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Heptachlor	EPA 8081B	<7.53	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Heptachlor epoxide	EPA 8081B	<7.71	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Methoxychlor	EPA 8081B	<7.80	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
Toxaphene	EPA 8081B	<12.6	U	µg/kg	70.0	1	02/18/26 21:07	02/14/26 13:11
trans-Chlordane	EPA 8081B	<7.75	U	µg/kg	11.7	1	02/18/26 21:07	02/14/26 13:11
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	76.8		%REC	53-151	1	02/18/26 21:07	02/14/26 13:11
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	81.0		%REC	67-127	1	02/18/26 21:07	02/14/26 13:11

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<26.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1221	EPA 8082A	<26.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1232	EPA 8082A	<26.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1242	EPA 8082A	<26.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1248	EPA 8082A	<26.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1254	EPA 8082A	<21.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1260	EPA 8082A	<21.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1262	EPA 8082A	<21.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Aroclor 1268	EPA 8082A	<21.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
Total PCB	EPA 8082A	<21.7	U	µg/kg	77.8	1	02/16/26 23:56	02/14/26 12:59
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	100		%REC	54-146	1	02/16/26 23:56	02/14/26 12:59
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	91.4		%REC	58-140	1	02/16/26 23:56	02/14/26 12:59

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<6.31	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<8.97	U	µg/kg	389	1	02/17/26 16:31	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<27.9	U	µg/kg	195	1	02/17/26 16:31	02/14/26 10:12
1-Methylnaphthalene	EPA 8270E	82.5		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<9.12	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2,3,4,6-Tetrachlorophenol	EPA 8270E	<28.5	U	µg/kg	77.8	1	02/17/26 16:31	02/14/26 10:12
2,4,5-Trichlorophenol	EPA 8270E	<23.1	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2,4,6-Trichlorophenol	EPA 8270E	<10.4	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2,4-Dichlorophenol	EPA 8270E	<20.9	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2,4-Dimethylphenol	EPA 8270E	<20.0	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2,4-Dinitrophenol	EPA 8270E	<284	U	µg/kg	389	1	02/17/26 16:31	02/14/26 10:12
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<25.3	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<9.93	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2-Chloronaphthalene	EPA 8270E	<5.44	U	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
2-Chlorophenol	EPA 8270E	<25.5	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<32.5	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2-Methylnaphthalene	EPA 8270E	86.4		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
2-Methylphenol (o-Cresol)	EPA 8270E	<10.5	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2-Nitroaniline	EPA 8270E	<21.6	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
2-Nitrophenol	EPA 8270E	<11.1	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
3&4-Methylphenol	EPA 8270E	<21.2	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
3,3'-Dichlorobenzidine	EPA 8270E	<18.2	SU	µg/kg	195	1	02/17/26 16:31	02/14/26 10:12
3-Nitroaniline	EPA 8270E	<22.6	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<21.3	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
4-Chloro-3-methylphenol	EPA 8270E	<11.1	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
4-Chloroaniline	EPA 8270E	<19.8	U	µg/kg	77.8	1	02/17/26 16:31	02/14/26 10:12
4-Chlorophenyl phenylether	EPA 8270E	<10.7	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
4-Nitroaniline	EPA 8270E	<60.3	U	µg/kg	195	1	02/17/26 16:31	02/14/26 10:12
4-Nitrophenol	EPA 8270E	<91.1	U	µg/kg	389	1	02/17/26 16:31	02/14/26 10:12
Acenaphthene	EPA 8270E	197		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	21.8		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Acetophenone	EPA 8270E	<6.09	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Anthracene	EPA 8270E	284	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Atrazine	EPA 8270E	<22.8	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Benzaldehyde	EPA 8270E	<59.8	U	µg/kg	77.8	1	02/17/26 16:31	02/14/26 10:12
Benzo(a)anthracene	EPA 8270E	784	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Benzo(a)pyrene	EPA 8270E	756	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Benzo(b)fluoranthene	EPA 8270E	971	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Benzo(g,h,i)perylene	EPA 8270E	508	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Benzo(k)fluoranthene	EPA 8270E	380	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
bis(2-Chloroethoxy) methane	EPA 8270E	<24.6	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
bis(2-Chloroethyl) ether	EPA 8270E	<11.0	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Butyl benzyl phthalate	EPA 8270E	<48.7	U	µg/kg	77.8	1	02/17/26 16:31	02/14/26 10:12
Caprolactam	EPA 8270E	<35.1	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Carbazole	EPA 8270E	167	S	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Chrysene	EPA 8270E	808	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<32.2	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Dibenz(a,h) anthracene	EPA 8270E	111		µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Dibenzofuran	EPA 8270E	104		µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Diethyl phthalate	EPA 8270E	<13.2	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Dimethyl phthalate	EPA 8270E	<7.59	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Fluoranthene	EPA 8270E	1920		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Fluorene	EPA 8270E	216	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Hexachlorobenzene	EPA 8270E	<11.3	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Hexachlorobutadiene	EPA 8270E	<9.16	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Hexachlorocyclopentadiene	EPA 8270E	<36.9	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Hexachloroethane	EPA 8270E	<16.1	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Indeno(1,2,3-cd) pyrene	EPA 8270E	572	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Isophorone	EPA 8270E	<7.60	U	µg/kg	195	1	02/17/26 16:31	02/14/26 10:12
Methylphenol, Total	EPA 8270E	<10.5	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	124		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Nitrobenzene	EPA 8270E	<13.1	U	µg/kg	195	1	02/17/26 16:31	02/14/26 10:12
n-Nitrosodi-n-propylamine	EPA 8270E	<6.42	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
N-Nitrosodiphenylamine	EPA 8270E	<22.5	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Pentachlorophenol	EPA 8270E	<30.9	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Phenanthrene	EPA 8270E	1640		µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Phenol	EPA 8270E	<19.5	U	µg/kg	38.5	1	02/17/26 16:31	02/14/26 10:12
Pyrene	EPA 8270E	1620	S	µg/kg	7.78	1	02/17/26 16:31	02/14/26 10:12
Pyridine	EPA 8270E	<76.6	U	µg/kg	195	1	02/17/26 16:31	02/14/26 10:12
Surr: 2,4,6-Tribromophenol	EPA 8270E	83.9		%REC	48-94	1	02/17/26 16:31	02/14/26 10:12
Surr: 2-Fluorobiphenyl	EPA 8270E	71.7		%REC	50-103	1	02/17/26 16:31	02/14/26 10:12
Surr: 2-Fluorophenol	EPA 8270E	71.8		%REC	43-105	1	02/17/26 16:31	02/14/26 10:12
Surr: 4-Terphenyl-d14	EPA 8270E	75.8		%REC	55-111	1	02/17/26 16:31	02/14/26 10:12
Surr: Nitrobenzene-d5	EPA 8270E	81.1		%REC	47-100	1	02/17/26 16:31	02/14/26 10:12
Surr: Phenol-d6	EPA 8270E	74.0		%REC	49-110	1	02/17/26 16:31	02/14/26 10:12

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<18.6	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,1,2,2-Tetrachloroethane	EPA 8260D	<18.1	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<26.0	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,1,2-Trichloroethane	EPA 8260D	<17.4	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,1-Dichloroethane	EPA 8260D	<14.9	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,1-Dichloroethylene	EPA 8260D	<13.3	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,2,3-Trichlorobenzene	EPA 8260D	<49.2	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
1,2,3-Trichloropropane	EPA 8260D	<17.2	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,2,4-Trichlorobenzene	EPA 8260D	<46.4	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
1,2,4-Trimethylbenzene	EPA 8260D	<30.1	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<37.7	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<24.1	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<15.5	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<24.1	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
1,2-Dichloropropane	EPA 8260D	<30.2	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,3,5-Trimethylbenzene	EPA 8260D	<28.9	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<28.3	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
1,3-Dichloropropene	EPA 8260D	<22.9	U	µg/kg	82.0	1	02/13/26 01:36	02/12/26 15:35
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<33.3	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<97.5	U	µg/kg	273	1	02/13/26 01:36	02/12/26 15:35
2-Hexanone	EPA 8260D	<20.3	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<38.2	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Acetone	EPA 8260D	<122	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
Benzene	EPA 8260D	<19.8	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Bromochloromethane	EPA 8260D	<20.8	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Bromodichloromethane	EPA 8260D	<22.9	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Bromoform	EPA 8260D	<17.3	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Carbon disulfide	EPA 8260D	<21.2	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Carbon tetrachloride	EPA 8260D	<16.0	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Chlorobenzene	EPA 8260D	<13.6	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Chlorodibromomethane	EPA 8260D	<23.0	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Chloroethane (Ethyl chloride)	EPA 8260D	<115	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
Chloroform	EPA 8260D	<15.0	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
cis-1,2-Dichloroethylene	EPA 8260D	<26.4	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
cis-1,3-Dichloropropene	EPA 8260D	<30.9	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Cyclohexane	EPA 8260D	<31.4	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<49.6	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
Ethylbenzene	EPA 8260D	<29.1	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Isopropylbenzene	EPA 8260D	<25.9	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
m+p-Xylene	EPA 8260D	<54.6	U	µg/kg	82.0	1	02/13/26 01:36	02/12/26 15:35
Methyl acetate	EPA 8260D	<49.1	U	µg/kg	342	1	02/13/26 01:36	02/12/26 15:35
Methyl bromide (Bromomethane)	EPA 8260D	<78.4	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:09
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB01 (1-2')_20260211

Lab ID: HN2602078-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<112	U	µg/kg	137	1	02/13/26 01:36	02/12/26 15:35
Methyl tert-butyl ether (MTBE)	EPA 8260D	<29.9	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Methylcyclohexane	EPA 8260D	<15.6	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Methylene chloride (Dichloromethane)	EPA 8260D	<109	U	µg/kg	342	1	02/13/26 01:36	02/12/26 15:35
o-Xylene	EPA 8260D	<15.8	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Styrene	EPA 8260D	<16.2	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<24.7	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Toluene	EPA 8260D	<33.8	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Total Xylene	EPA 8260D	<15.8	U	µg/kg	123	1	02/13/26 01:36	02/12/26 15:35
trans-1,2-Dichloroethylene	EPA 8260D	<33.8	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
trans-1,3-Dichloropropylene	EPA 8260D	<22.9	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Trichloroethene (Trichloroethylene)	EPA 8260D	<18.4	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<21.0	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
Vinyl chloride (Chloroethene)	EPA 8260D	<27.2	U	µg/kg	41.0	1	02/13/26 01:36	02/12/26 15:35
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	106		%REC	<i>80-120</i>	<i>1</i>	<i>02/13/26 01:36</i>	<i>02/12/26 15:35</i>
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	101		%REC	<i>80-120</i>	<i>1</i>	<i>02/13/26 01:36</i>	<i>02/12/26 15:35</i>
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	82.6		%REC	<i>72-120</i>	<i>1</i>	<i>02/13/26 01:36</i>	<i>02/12/26 15:35</i>
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	98.7		%REC	<i>80-120</i>	<i>1</i>	<i>02/13/26 01:36</i>	<i>02/12/26 15:35</i>

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.51	U	µg/kg	13.6	1	02/18/26 02:03	02/13/26 19:01
2,4,5-TP (Silvex)	EPA 8151A	<4.47	U	µg/kg	13.6	1	02/18/26 02:03	02/13/26 19:01
2,4-D	EPA 8151A	<7.28	U	µg/kg	27.3	1	02/18/26 02:03	02/13/26 19:01
Surr: DCAA	EPA 8151A	62.0		%REC	10-116	1	02/18/26 02:03	02/13/26 19:01
General Chemistry Parameters								
Percent Moisture	EPA 3550C	11.2		%	0.1	1	02/12/26 16:44	NA
Chloride	EPA 9056A	<3.39	U	mg/kg	10.9	1	02/13/26 18:34	02/12/26 16:37
Metals								
Arsenic	EPA 6020B	5.12		mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Barium	EPA 6020B	46.7		mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Cadmium	EPA 6020B	<0.200	U	mg/kg	1.34	10	02/17/26 19:41	02/17/26 09:16
Chromium	EPA 6020B	11.3		mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Copper	EPA 6020B	19.7		mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Lead	EPA 6020B	43.4		mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Selenium	EPA 6020B	<3.07	U	mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Silver	EPA 6020B	<0.441	U	mg/kg	3.34	10	02/17/26 19:41	02/17/26 09:16
Zinc	EPA 6020B	64.1		mg/kg	6.68	10	02/17/26 19:41	02/17/26 09:16
Mercury	EPA 7471B	0.0594		mg/kg	0.0209	1	02/19/26 10:47	02/18/26 13:37
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<6.99	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
4,4'-DDE	EPA 8081B	115		µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
4,4'-DDT	EPA 8081B	28.8		µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Aldrin	EPA 8081B	<7.11	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
alpha-BHC	EPA 8081B	<7.20	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
beta-BHC	EPA 8081B	<7.18	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Chlordane, Technical	EPA 8081B	72.1	V	µg/kg	27.3	1	02/18/26 21:21	02/14/26 13:11
cis-Chlordane	EPA 8081B	11.9		µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
delta-BHC	EPA 8081B	<7.16	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Dieldrin	EPA 8081B	<7.65	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<7.35	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Endosulfan II	EPA 8081B	<7.24	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Endosulfan sulfate	EPA 8081B	<6.73	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Endrin	EPA 8081B	<8.85	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Endrin aldehyde	EPA 8081B	<6.93	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Endrin ketone	EPA 8081B	<6.65	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
gamma-BHC (Lindane)	EPA 8081B	<7.17	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Heptachlor	EPA 8081B	<7.06	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Heptachlor epoxide	EPA 8081B	<7.23	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Methoxychlor	EPA 8081B	<7.31	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
Toxaphene	EPA 8081B	<11.8	U	µg/kg	65.6	1	02/18/26 21:21	02/14/26 13:11
trans-Chlordane	EPA 8081B	<7.26	U	µg/kg	10.9	1	02/18/26 21:21	02/14/26 13:11
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	75.4		%REC	53-151	1	02/18/26 21:21	02/14/26 13:11
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	79.7		%REC	67-127	1	02/18/26 21:21	02/14/26 13:11

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<25.0	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1221	EPA 8082A	<25.0	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1232	EPA 8082A	<25.0	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1242	EPA 8082A	<25.0	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1248	EPA 8082A	<25.0	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1254	EPA 8082A	<20.4	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1260	EPA 8082A	<20.4	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1262	EPA 8082A	<20.4	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Aroclor 1268	EPA 8082A	<20.4	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
Total PCB	EPA 8082A	<20.4	U	µg/kg	72.9	1	02/17/26 00:08	02/14/26 12:59
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	94.1		%REC	54-146	1	02/17/26 00:08	02/14/26 12:59
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	89.7		%REC	58-140	1	02/17/26 00:08	02/14/26 12:59

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<29.8	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<42.4	U	µg/kg	1840	5	02/17/26 23:07	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<132	U	µg/kg	919	5	02/17/26 23:07	02/14/26 10:12
1-Methylnaphthalene	EPA 8270E	<26.5	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<43.1	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2,3,4,6-Tetrachlorophenol	EPA 8270E	<135	U	µg/kg	368	5	02/17/26 23:07	02/14/26 10:12
2,4,5-Trichlorophenol	EPA 8270E	<109	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2,4,6-Trichlorophenol	EPA 8270E	<48.9	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2,4-Dichlorophenol	EPA 8270E	<99.0	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2,4-Dimethylphenol	EPA 8270E	<94.6	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2,4-Dinitrophenol	EPA 8270E	<1340	U	µg/kg	1840	5	02/17/26 23:07	02/14/26 10:12
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<119	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<46.9	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2-Chloronaphthalene	EPA 8270E	<25.7	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
2-Chlorophenol	EPA 8270E	<120	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<154	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2-Methylnaphthalene	EPA 8270E	<18.7	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
2-Methylphenol (o-Cresol)	EPA 8270E	<49.7	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2-Nitroaniline	EPA 8270E	<102	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
2-Nitrophenol	EPA 8270E	<52.4	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
3&4-Methylphenol	EPA 8270E	<100	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
3,3'-Dichlorobenzidine	EPA 8270E	<85.8	U	µg/kg	919	5	02/17/26 23:07	02/14/26 10:12
3-Nitroaniline	EPA 8270E	<107	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<101	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
4-Chloro-3-methylphenol	EPA 8270E	<52.4	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
4-Chloroaniline	EPA 8270E	<93.4	U	µg/kg	368	5	02/17/26 23:07	02/14/26 10:12
4-Chlorophenyl phenylether	EPA 8270E	<50.8	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
4-Nitroaniline	EPA 8270E	<285	U	µg/kg	919	5	02/17/26 23:07	02/14/26 10:12
4-Nitrophenol	EPA 8270E	<431	U	µg/kg	1840	5	02/17/26 23:07	02/14/26 10:12
Acenaphthene	EPA 8270E	<26.6	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<31.9	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Acetophenone	EPA 8270E	<28.8	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Anthracene	EPA 8270E	66.2		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Atrazine	EPA 8270E	<108	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Benzaldehyde	EPA 8270E	<282	U	µg/kg	368	5	02/17/26 23:07	02/14/26 10:12
Benzo(a)anthracene	EPA 8270E	228		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Benzo(a)pyrene	EPA 8270E	221		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Benzo(b)fluoranthene	EPA 8270E	272		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Benzo(g,h,i)perylene	EPA 8270E	147		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Benzo(k)fluoranthene	EPA 8270E	136		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
bis(2-Chloroethoxy) methane	EPA 8270E	<116	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
bis(2-Chloroethyl) ether	EPA 8270E	<52.1	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Butyl benzyl phthalate	EPA 8270E	<230	U	µg/kg	368	5	02/17/26 23:07	02/14/26 10:12
Caprolactam	EPA 8270E	<166	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Carbazole	EPA 8270E	<54.2	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Chrysene	EPA 8270E	228		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<152	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Dibenz(a,h) anthracene	EPA 8270E	<19.9	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Dibenzofuran	EPA 8270E	<27.0	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Diethyl phthalate	EPA 8270E	<62.6	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Dimethyl phthalate	EPA 8270E	<35.9	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Fluoranthene	EPA 8270E	530		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Fluorene	EPA 8270E	<26.7	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Hexachlorobenzene	EPA 8270E	<53.5	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Hexachlorobutadiene	EPA 8270E	<43.3	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Hexachlorocyclopentadiene	EPA 8270E	<174	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Hexachloroethane	EPA 8270E	<76.1	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Indeno(1,2,3-cd) pyrene	EPA 8270E	173		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Isophorone	EPA 8270E	<35.9	U	µg/kg	919	5	02/17/26 23:07	02/14/26 10:12
Methylphenol, Total	EPA 8270E	<49.7	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	<23.5	U	µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Nitrobenzene	EPA 8270E	<61.8	U	µg/kg	919	5	02/17/26 23:07	02/14/26 10:12
n-Nitrosodi-n-propylamine	EPA 8270E	<30.3	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
N-Nitrosodiphenylamine	EPA 8270E	<106	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Pentachlorophenol	EPA 8270E	<146	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Phenanthrene	EPA 8270E	309		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Phenol	EPA 8270E	<92.3	U	µg/kg	182	5	02/17/26 23:07	02/14/26 10:12
Pyrene	EPA 8270E	423		µg/kg	36.8	5	02/17/26 23:07	02/14/26 10:12
Pyridine	EPA 8270E	<362	U	µg/kg	919	5	02/17/26 23:07	02/14/26 10:12
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	76.5		%REC	48-94	5	02/17/26 23:07	02/14/26 10:12
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	68.6		%REC	50-103	5	02/17/26 23:07	02/14/26 10:12
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	67.2		%REC	43-105	5	02/17/26 23:07	02/14/26 10:12
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	72.3		%REC	55-111	5	02/17/26 23:07	02/14/26 10:12
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	68.7		%REC	47-100	5	02/17/26 23:07	02/14/26 10:12
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	64.4		%REC	49-110	5	02/17/26 23:07	02/14/26 10:12

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<16.6	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,1,2,2-Tetrachloroethane	EPA 8260D	<16.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<23.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,1,2-Trichloroethane	EPA 8260D	<15.6	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,1-Dichloroethane	EPA 8260D	<13.4	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,1-Dichloroethylene	EPA 8260D	<11.9	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,2,3-Trichlorobenzene	EPA 8260D	<44.0	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
1,2,3-Trichloropropane	EPA 8260D	<15.3	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,2,4-Trichlorobenzene	EPA 8260D	<41.5	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
1,2,4-Trimethylbenzene	EPA 8260D	<26.9	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<33.7	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<21.5	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<13.9	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<21.5	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
1,2-Dichloropropane	EPA 8260D	<27.0	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,3,5-Trimethylbenzene	EPA 8260D	<25.9	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<25.3	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
1,3-Dichloropropene	EPA 8260D	<20.5	U	µg/kg	73.3	1	02/13/26 01:51	02/12/26 15:35
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<29.8	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<87.2	U	µg/kg	244	1	02/13/26 01:51	02/12/26 15:35
2-Hexanone	EPA 8260D	<18.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<34.1	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Acetone	EPA 8260D	<109	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
Benzene	EPA 8260D	<17.7	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Bromochloromethane	EPA 8260D	<18.6	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Bromodichloromethane	EPA 8260D	<20.5	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Bromoform	EPA 8260D	<15.4	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Carbon disulfide	EPA 8260D	<19.0	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Carbon tetrachloride	EPA 8260D	<14.3	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Chlorobenzene	EPA 8260D	<12.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Chlorodibromomethane	EPA 8260D	<20.6	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Chloroethane (Ethyl chloride)	EPA 8260D	<103	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
Chloroform	EPA 8260D	<13.4	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
cis-1,2-Dichloroethylene	EPA 8260D	<23.6	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
cis-1,3-Dichloropropene	EPA 8260D	<27.6	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Cyclohexane	EPA 8260D	<28.1	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<44.3	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
Ethylbenzene	EPA 8260D	<26.0	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Isopropylbenzene	EPA 8260D	<23.1	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
m+p-Xylene	EPA 8260D	<48.9	U	µg/kg	73.3	1	02/13/26 01:51	02/12/26 15:35
Methyl acetate	EPA 8260D	<43.9	U	µg/kg	305	1	02/13/26 01:51	02/12/26 15:35
Methyl bromide (Bromomethane)	EPA 8260D	<70.1	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:20
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB02 (3-4')_20260211

Lab ID: HN2602078-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<100	U	µg/kg	122	1	02/13/26 01:51	02/12/26 15:35
Methyl tert-butyl ether (MTBE)	EPA 8260D	<26.7	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Methylcyclohexane	EPA 8260D	<14.0	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Methylene chloride (Dichloromethane)	EPA 8260D	<97.2	U	µg/kg	305	1	02/13/26 01:51	02/12/26 15:35
o-Xylene	EPA 8260D	<14.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Styrene	EPA 8260D	<14.5	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<22.1	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Toluene	EPA 8260D	<30.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Total Xylene	EPA 8260D	<14.2	U	µg/kg	110	1	02/13/26 01:51	02/12/26 15:35
trans-1,2-Dichloroethylene	EPA 8260D	<30.2	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
trans-1,3-Dichloropropylene	EPA 8260D	<20.5	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Trichloroethene (Trichloroethylene)	EPA 8260D	<16.4	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<18.7	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
Vinyl chloride (Chloroethene)	EPA 8260D	<24.4	U	µg/kg	36.6	1	02/13/26 01:51	02/12/26 15:35
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	102		%REC	80-120	1	02/13/26 01:51	02/12/26 15:35
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	98.6		%REC	80-120	1	02/13/26 01:51	02/12/26 15:35
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	82.0		%REC	72-120	1	02/13/26 01:51	02/12/26 15:35
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	97.1		%REC	80-120	1	02/13/26 01:51	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.63	U	µg/kg	14.3	1	02/18/26 02:18	02/13/26 19:01
2,4,5-TP (Silvex)	EPA 8151A	<4.69	U	µg/kg	14.3	1	02/18/26 02:18	02/13/26 19:01
2,4-D	EPA 8151A	<7.63	U	µg/kg	28.6	1	02/18/26 02:18	02/13/26 19:01
Surr: DCAA	EPA 8151A	42.0		%REC	10-116	1	02/18/26 02:18	02/13/26 19:01
General Chemistry Parameters								
Percent Moisture	EPA 3550C	15.7		%	0.1	1	02/12/26 16:44	NA
Chloride	EPA 9056A	21.1		mg/kg	11.8	1	02/13/26 18:42	02/12/26 16:37
Metals								
Arsenic	EPA 6020B	11.8		mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Barium	EPA 6020B	81.3		mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Cadmium	EPA 6020B	<0.205	U	mg/kg	1.36	10	02/17/26 19:43	02/17/26 09:16
Chromium	EPA 6020B	21.1		mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Copper	EPA 6020B	20.9		mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Lead	EPA 6020B	12.9		mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Selenium	EPA 6020B	<3.14	U	mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Silver	EPA 6020B	<0.450	U	mg/kg	3.41	10	02/17/26 19:43	02/17/26 09:16
Zinc	EPA 6020B	60.7		mg/kg	6.82	10	02/17/26 19:43	02/17/26 09:16
Mercury	EPA 7471B	0.0222		mg/kg	0.0200	1	02/19/26 10:49	02/18/26 13:37
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<7.48	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
4,4'-DDE	EPA 8081B	<7.71	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
4,4'-DDT	EPA 8081B	<7.78	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Aldrin	EPA 8081B	<7.60	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
alpha-BHC	EPA 8081B	<7.70	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
beta-BHC	EPA 8081B	<7.68	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Chlordane, Technical	EPA 8081B	<11.6	U	µg/kg	29.3	1	02/17/26 06:53	02/14/26 13:11
cis-Chlordane	EPA 8081B	<7.82	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
delta-BHC	EPA 8081B	<7.66	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Dieldrin	EPA 8081B	<8.18	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<7.86	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Endosulfan II	EPA 8081B	<7.75	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Endosulfan sulfate	EPA 8081B	<7.20	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Endrin	EPA 8081B	<9.47	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Endrin aldehyde	EPA 8081B	<7.42	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Endrin ketone	EPA 8081B	<7.12	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
gamma-BHC (Lindane)	EPA 8081B	<7.68	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Heptachlor	EPA 8081B	<7.55	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Heptachlor epoxide	EPA 8081B	<7.74	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Methoxychlor	EPA 8081B	<7.82	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
Toxaphene	EPA 8081B	<12.6	U	µg/kg	70.2	1	02/17/26 06:53	02/14/26 13:11
trans-Chlordane	EPA 8081B	<7.77	U	µg/kg	11.7	1	02/17/26 06:53	02/14/26 13:11
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	83.1		%REC	53-151	1	02/17/26 06:53	02/14/26 13:11
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	85.1		%REC	67-127	1	02/17/26 06:53	02/14/26 13:11

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<26.7	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1221	EPA 8082A	<26.7	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1232	EPA 8082A	<26.7	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1242	EPA 8082A	<26.7	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1248	EPA 8082A	<26.7	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1254	EPA 8082A	<21.8	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1260	EPA 8082A	<21.8	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1262	EPA 8082A	<21.8	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Aroclor 1268	EPA 8082A	<21.8	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
Total PCB	EPA 8082A	<21.8	U	µg/kg	78.0	1	02/17/26 00:19	02/14/26 12:59
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	84.4		%REC	54-146	1	02/17/26 00:19	02/14/26 12:59
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	87.0		%REC	58-140	1	02/17/26 00:19	02/14/26 12:59

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<6.36	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<9.04	U	µg/kg	392	1	02/17/26 16:59	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<28.1	U	µg/kg	196	1	02/17/26 16:59	02/14/26 10:12
1-Methylnaphthalene	EPA 8270E	<5.65	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<9.19	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2,3,4,6-Tetrachlorophenol	EPA 8270E	<28.7	U	µg/kg	78.4	1	02/17/26 16:59	02/14/26 10:12
2,4,5-Trichlorophenol	EPA 8270E	<23.2	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2,4,6-Trichlorophenol	EPA 8270E	<10.4	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2,4-Dichlorophenol	EPA 8270E	<21.1	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2,4-Dimethylphenol	EPA 8270E	<20.2	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2,4-Dinitrophenol	EPA 8270E	<287	U	µg/kg	392	1	02/17/26 16:59	02/14/26 10:12
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<25.5	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<10.0	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2-Chloronaphthalene	EPA 8270E	<5.48	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
2-Chlorophenol	EPA 8270E	<25.7	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<32.7	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2-Methylnaphthalene	EPA 8270E	<3.99	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
2-Methylphenol (o-Cresol)	EPA 8270E	<10.6	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2-Nitroaniline	EPA 8270E	<21.8	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
2-Nitrophenol	EPA 8270E	<11.2	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
3&4-Methylphenol	EPA 8270E	<21.4	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
3,3'-Dichlorobenzidine	EPA 8270E	<18.3	U	µg/kg	196	1	02/17/26 16:59	02/14/26 10:12
3-Nitroaniline	EPA 8270E	<22.8	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<21.5	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
4-Chloro-3-methylphenol	EPA 8270E	<11.2	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
4-Chloroaniline	EPA 8270E	<19.9	U	µg/kg	78.4	1	02/17/26 16:59	02/14/26 10:12
4-Chlorophenyl phenylether	EPA 8270E	<10.8	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
4-Nitroaniline	EPA 8270E	<60.8	U	µg/kg	196	1	02/17/26 16:59	02/14/26 10:12
4-Nitrophenol	EPA 8270E	<91.8	U	µg/kg	392	1	02/17/26 16:59	02/14/26 10:12
Acenaphthene	EPA 8270E	<5.67	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<6.80	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Acetophenone	EPA 8270E	<6.14	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Anthracene	EPA 8270E	<5.53	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Atrazine	EPA 8270E	<23.0	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Benzaldehyde	EPA 8270E	<60.2	U	µg/kg	78.4	1	02/17/26 16:59	02/14/26 10:12
Benzo(a)anthracene	EPA 8270E	<6.77	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Benzo(a)pyrene	EPA 8270E	<4.81	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Benzo(b)fluoranthene	EPA 8270E	<5.85	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Benzo(g,h,i)perylene	EPA 8270E	<6.01	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Benzo(k)fluoranthene	EPA 8270E	<5.94	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
bis(2-Chloroethoxy) methane	EPA 8270E	<24.8	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
bis(2-Chloroethyl) ether	EPA 8270E	<11.1	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Butyl benzyl phthalate	EPA 8270E	<49.1	U	µg/kg	78.4	1	02/17/26 16:59	02/14/26 10:12
Caprolactam	EPA 8270E	<35.4	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Carbazole	EPA 8270E	<11.6	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Chrysene	EPA 8270E	<6.34	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<32.4	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Dibenz(a,h) anthracene	EPA 8270E	<4.23	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Dibenzofuran	EPA 8270E	<5.76	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Diethyl phthalate	EPA 8270E	<13.3	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Dimethyl phthalate	EPA 8270E	<7.64	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Fluoranthene	EPA 8270E	11.8		µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Fluorene	EPA 8270E	<5.69	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Hexachlorobenzene	EPA 8270E	<11.4	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Hexachlorobutadiene	EPA 8270E	<9.23	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Hexachlorocyclopentadiene	EPA 8270E	<37.2	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Hexachloroethane	EPA 8270E	<16.2	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Indeno(1,2,3-cd) pyrene	EPA 8270E	<5.46	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Isophorone	EPA 8270E	<7.66	U	µg/kg	196	1	02/17/26 16:59	02/14/26 10:12
Methylphenol, Total	EPA 8270E	<10.6	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	<5.01	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Nitrobenzene	EPA 8270E	<13.2	U	µg/kg	196	1	02/17/26 16:59	02/14/26 10:12
n-Nitrosodi-n-propylamine	EPA 8270E	<6.47	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
N-Nitrosodiphenylamine	EPA 8270E	<22.7	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Pentachlorophenol	EPA 8270E	<31.1	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Phenanthrene	EPA 8270E	<3.65	U	µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Phenol	EPA 8270E	<19.7	U	µg/kg	38.8	1	02/17/26 16:59	02/14/26 10:12
Pyrene	EPA 8270E	7.84		µg/kg	7.84	1	02/17/26 16:59	02/14/26 10:12
Pyridine	EPA 8270E	<77.2	U	µg/kg	196	1	02/17/26 16:59	02/14/26 10:12
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	50.9		%REC	48-94	1	02/17/26 16:59	02/14/26 10:12
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	52.8		%REC	50-103	1	02/17/26 16:59	02/14/26 10:12
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	61.0		%REC	43-105	1	02/17/26 16:59	02/14/26 10:12
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	47.4	S	%REC	55-111	1	02/17/26 16:59	02/14/26 10:12
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	66.4		%REC	47-100	1	02/17/26 16:59	02/14/26 10:12
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	57.6		%REC	49-110	1	02/17/26 16:59	02/14/26 10:12

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<20.1	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,1,2,2-Tetrachloroethane	EPA 8260D	<19.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<28.1	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,1,2-Trichloroethane	EPA 8260D	<18.8	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,1-Dichloroethane	EPA 8260D	<16.2	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,1-Dichloroethylene	EPA 8260D	<14.4	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,2,3-Trichlorobenzene	EPA 8260D	<53.2	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
1,2,3-Trichloropropane	EPA 8260D	<18.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,2,4-Trichlorobenzene	EPA 8260D	<50.2	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
1,2,4-Trimethylbenzene	EPA 8260D	<32.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<40.8	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<26.0	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<16.8	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<26.0	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
1,2-Dichloropropane	EPA 8260D	<32.6	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,3,5-Trimethylbenzene	EPA 8260D	<31.3	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<30.6	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
1,3-Dichloropropene	EPA 8260D	<24.7	U	µg/kg	88.6	1	02/13/26 02:07	02/12/26 15:35
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<36.0	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<105	U	µg/kg	295	1	02/13/26 02:07	02/12/26 15:35
2-Hexanone	EPA 8260D	<22.0	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<41.3	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Acetone	EPA 8260D	<131	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
Benzene	EPA 8260D	<21.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Bromochloromethane	EPA 8260D	<22.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Bromodichloromethane	EPA 8260D	<24.8	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Bromoform	EPA 8260D	<18.6	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Carbon disulfide	EPA 8260D	<22.9	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Carbon tetrachloride	EPA 8260D	<17.3	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Chlorobenzene	EPA 8260D	<14.7	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Chlorodibromomethane	EPA 8260D	<24.9	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Chloroethane (Ethyl chloride)	EPA 8260D	<124	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
Chloroform	EPA 8260D	<16.2	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
cis-1,2-Dichloroethylene	EPA 8260D	<28.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
cis-1,3-Dichloropropene	EPA 8260D	<33.4	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Cyclohexane	EPA 8260D	<33.9	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<53.6	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
Ethylbenzene	EPA 8260D	<31.4	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Isopropylbenzene	EPA 8260D	<28.0	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
m+p-Xylene	EPA 8260D	<59.1	U	µg/kg	88.6	1	02/13/26 02:07	02/12/26 15:35
Methyl acetate	EPA 8260D	<53.0	U	µg/kg	369	1	02/13/26 02:07	02/12/26 15:35
Methyl bromide (Bromomethane)	EPA 8260D	<84.7	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID

Work Order: HN2602078
Date Collected: 02/11/26 10:32
Date Received: 02/12/26 07:00

CLIENT ID: 3999 SB03 (5-6')_20260211

Lab ID: HN2602078-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<121	U	µg/kg	148	1	02/13/26 02:07	02/12/26 15:35
Methyl tert-butyl ether (MTBE)	EPA 8260D	<32.3	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Methylcyclohexane	EPA 8260D	<16.9	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Methylene chloride (Dichloromethane)	EPA 8260D	<118	U	µg/kg	369	1	02/13/26 02:07	02/12/26 15:35
o-Xylene	EPA 8260D	<17.1	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Styrene	EPA 8260D	<17.6	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<26.7	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Toluene	EPA 8260D	<36.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Total Xylene	EPA 8260D	<17.1	U	µg/kg	133	1	02/13/26 02:07	02/12/26 15:35
trans-1,2-Dichloroethylene	EPA 8260D	<36.5	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
trans-1,3-Dichloropropylene	EPA 8260D	<24.7	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Trichloroethene (Trichloroethylene)	EPA 8260D	<19.9	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<22.6	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
Vinyl chloride (Chloroethene)	EPA 8260D	<29.4	U	µg/kg	44.3	1	02/13/26 02:07	02/12/26 15:35
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	104		%REC	80-120	1	02/13/26 02:07	02/12/26 15:35
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	102		%REC	80-120	1	02/13/26 02:07	02/12/26 15:35
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	81.2		%REC	72-120	1	02/13/26 02:07	02/12/26 15:35
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	97.8		%REC	80-120	1	02/13/26 02:07	02/12/26 15:35



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2454420

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3887551

Chlorinated Herbicides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2454420-001
-----------	--------------------------------	-------------------------------

Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/17/26 22:00
Prep Date: 02/13/26 19:02

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	<0.920	µg/kg	5.00							U
2,4,5-TP (Silvex)	<1.64	µg/kg	5.00							U
2,4-D	<2.67	µg/kg	10.0							U
Surr: DCAA	31.0	µg/kg		50		62.0	10-116			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2454420-002
------------	---	-------------------------------

Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/17/26 22:15
Prep Date: 02/13/26 19:02

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	27.0	µg/kg	5.00	50		54.0	10-119			
2,4,5-TP (Silvex)	28.0	µg/kg	5.00	50		56.0	10-101			
2,4-D	28.0	µg/kg	10.0	50		56.0	10-128			
Surr: DCAA	31.0	µg/kg		50		62.0	10-116			

MS	CLIENT ID: Batch QC	Lab ID: QC-2454420-005
-----------	----------------------------	-------------------------------

Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/17/26 22:30
Prep Date: 02/13/26 19:02

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	64.4	µg/kg	15.2	123.92	<2.28	52.0	10-119			
2,4,5-TP (Silvex)	66.9	µg/kg	15.2	123.92	<4.06	54.0	10-101			
2,4-D	66.9	µg/kg	30.5	123.92	<6.62	54.0	10-128			
Surr: DCAA	71.9	µg/kg		123.92		58.0	10-116			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2454420-006
------------	----------------------------	-------------------------------

Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/17/26 22:45
Prep Date: 02/13/26 19:02

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	59.5	µg/kg	15.2	123.92	<2.28	48.0	10-119	8.00	30	
2,4,5-TP (Silvex)	59.5	µg/kg	15.2	123.92	<4.06	48.0	10-101	11.8	30	
2,4-D	62.0	µg/kg	30.5	123.92	<6.62	50.0	10-128	7.69	30	
Surr: DCAA	69.4	µg/kg		123.92		56.0	10-116	3.51	30	

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452183

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3877225

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2452183-001
-----------	--------------------------------	-------------------------------

Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/12/26 16:44
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							U

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2452183-002
------------	---	-------------------------------

Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/12/26 16:44
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	98-102			

DUP	CLIENT ID: Batch QC	Lab ID: QC-2452183-004
------------	----------------------------	-------------------------------

Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/12/26 16:44
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	86.3	%	0.1		86.4			0.185	10	

DUP	CLIENT ID: Batch QC	Lab ID: QC-2452183-015
------------	----------------------------	-------------------------------

Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/12/26 16:44
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	17.4	%	0.1		17.2			0.578	10	

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452241

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3881434

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2452241-001
-----------	--------------------------------	-------------------------------

Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/13/26 17:45
Prep Date: 02/12/26 16:38

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2452241-002
------------	---	-------------------------------

Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/13/26 17:53
Prep Date: 02/12/26 16:38

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	95.0	mg/kg	10.0	100		95.0	87-110			

MS	CLIENT ID: Batch QC	Lab ID: QC-2452241-004
-----------	----------------------------	-------------------------------

Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/13/26 18:10
Prep Date: 02/12/26 16:38

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	210	mg/kg	10.4	96.899	96.5	124	87-110			ES

MSD	CLIENT ID: Batch QC	Lab ID: QC-2452241-005
------------	----------------------------	-------------------------------

Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/13/26 18:18
Prep Date: 02/12/26 16:38

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	180	mg/kg	10.2	95.057	96.5	94.9	87-110	15.2	15	R

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2456675

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3885486

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2456675-001
-----------	--------------------------------	-------------------------------

Method: EPA 6020B**Dilution:** 1**Analysis Date:** 02/17/26 19:21**Prep Date:** 02/17/26 09:17

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2456675-002
------------	---	-------------------------------

Method: EPA 6020B**Dilution:** 1**Analysis Date:** 02/17/26 19:23**Prep Date:** 02/17/26 09:17

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	4.86	mg/kg	0.250	5		97.2	80-120			
Barium	5.27	mg/kg	0.250	5		105	80-120			
Cadmium	4.81	mg/kg	0.100	5		96.1	80-120			
Chromium	4.72	mg/kg	0.250	5		94.4	80-120			
Copper	4.70	mg/kg	0.250	5		94.0	80-120			
Lead	5.15	mg/kg	0.250	5		103	80-120			
Selenium	4.84	mg/kg	0.250	5		96.9	80-120			
Silver	4.90	mg/kg	0.250	5		97.9	80-120			
Zinc	4.59	mg/kg	0.500	5		91.7	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2456675-004
-----------	----------------------------	-------------------------------

Method: EPA 6020B**Dilution:** 10**Analysis Date:** 02/17/26 19:28**Prep Date:** 02/17/26 09:17

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	11.1	mg/kg	3.04	5.6625	5.74	102	75-125			
Barium	22.8	mg/kg	3.04	5.6625	16.0	140	75-125			S
Cadmium	5.51	mg/kg	1.22	5.6625	0.210	93.9	75-125			
Chromium	12.4	mg/kg	3.04	5.6625	6.41	114	75-125			
Copper	16.6	mg/kg	3.04	5.6625	11.6	101	75-125			
Lead	11.6	mg/kg	3.04	5.6625	5.75	110	75-125			
Selenium	4.79	mg/kg	3.04	5.6625	<2.60	96.3	75-125			
Silver	5.34	mg/kg	3.04	5.6625	<0.374	94.2	75-125			
Zinc	44.7	mg/kg	6.08	5	38.3	NC	75-125			O

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2456675

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3885486

MSD	CLIENT ID: Batch QC	Lab ID: QC-2456675-005
-----	---------------------	------------------------

Method: EPA 6020B **Dilution:** 10 **Analysis Date:** 02/17/26 19:29
Prep Date: 02/17/26 09:17

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	12.0	mg/kg	3.03	5.6433	5.74	119	75-125	7.83	20	
Barium	23.2	mg/kg	3.03	5.6433	16.0	147	75-125	1.75	20	S
Cadmium	5.45	mg/kg	1.21	5.6433	0.210	93.1	75-125	1.15	20	
Chromium	13.1	mg/kg	3.03	5.6433	6.41	126	75-125	4.82	20	S
Copper	17.4	mg/kg	3.03	5.6433	11.6	116	75-125	4.83	20	
Lead	12.0	mg/kg	3.03	5.6433	5.75	117	75-125	3.24	20	
Selenium	4.43	mg/kg	3.03	5.6433	<2.60	90.2	75-125	7.88	20	
Silver	5.53	mg/kg	3.03	5.6433	<0.372	97.9	75-125	3.47	20	
Zinc	47.0	mg/kg	6.06	5	38.3	NC	75-125	5.11	20	O

PDS	CLIENT ID: Batch QC	Lab ID: QC-2456675-007
-----	---------------------	------------------------

Method: EPA 6020B **Dilution:** 10 **Analysis Date:** 02/17/26 19:36
Prep Date: 02/17/26 09:17

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	68.4	mg/kg	3.14	58.548	5.74	108	75-125			
Barium	82.7	mg/kg	3.14	58.548	16.0	116	75-125			
Cadmium	60.3	mg/kg	1.26	58.548	0.210	103	75-125			
Chromium	66.7	mg/kg	3.14	58.548	6.41	104	75-125			
Copper	70.1	mg/kg	3.14	58.548	11.6	101	75-125			
Lead	70.9	mg/kg	3.14	58.548	5.75	112	75-125			
Selenium	62.1	mg/kg	3.14	58.548	<2.69	107	75-125			
Silver	49.3	mg/kg	3.14	58.548	<0.386	84.1	75-125			
Zinc	98.0	mg/kg	6.29	58.548	38.3	106	75-125			

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2458267

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3889612

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2458267-001
-----------	--------------------------------	-------------------------------

Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/19/26 10:22
Prep Date: 02/18/26 13:38

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2458267-002
------------	---	-------------------------------

Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/19/26 10:24
Prep Date: 02/18/26 13:38

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.192	mg/kg	0.0200	0.1665		115	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2458267-004
-----------	----------------------------	-------------------------------

Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/19/26 10:27
Prep Date: 02/18/26 13:38

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.177	mg/kg	0.0210	0.15658	<0.0136	106	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2458267-005
------------	----------------------------	-------------------------------

Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/19/26 10:29
Prep Date: 02/18/26 13:38

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.177	mg/kg	0.0211	0.15707	<0.0136	105	75-125	0.129	35	

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455413

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3887454

Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2455413-001
-----------	--------------------------------	-------------------------------

Method: EPA 8081B

Dilution: 1

Analysis Date: 02/17/26 17:27

Prep Date: 02/14/26 13:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	<6.39	µg/kg	10.0							U
4,4'-DDE	<6.59	µg/kg	10.0							U
4,4'-DDT	<6.65	µg/kg	10.0							U
Aldrin	<6.50	µg/kg	10.0							U
alpha-BHC	<6.58	µg/kg	10.0							U
beta-BHC	<6.57	µg/kg	10.0							U
Chlordane, Technical	<9.92	µg/kg	25.0							U
cis-Chlordane	<6.68	µg/kg	10.0							U
delta-BHC	<6.55	µg/kg	10.0							U
Dieldrin	<6.99	µg/kg	10.0							U
Endosulfan I	<6.72	µg/kg	10.0							U
Endosulfan II	<6.62	µg/kg	10.0							U
Endosulfan sulfate	<6.15	µg/kg	10.0							U
Endrin	<8.09	µg/kg	10.0							U
Endrin aldehyde	<6.34	µg/kg	10.0							U
Endrin ketone	<6.08	µg/kg	10.0							U
gamma-BHC (Lindane)	<6.56	µg/kg	10.0							U
Heptachlor	<6.45	µg/kg	10.0							U
Heptachlor epoxide	<6.62	µg/kg	10.0							U
Methoxychlor	<6.69	µg/kg	10.0							U
Toxaphene	<10.8	µg/kg	60.0							U
trans-Chlordane	<6.64	µg/kg	10.0							U
Surr: Decachlorobiphenyl	29.0	µg/kg		33.33		87.1	53-151			
Surr: Tetrachloro-m-xylene	29.4	µg/kg		33.33		88.1	67-127			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2455413-002
------------	---	-------------------------------

Method: EPA 8081B

Dilution: 1

Analysis Date: 02/17/26 17:41

Prep Date: 02/14/26 13:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	31.0	µg/kg	10.0	33.33		92.9	55-141			
4,4'-DDE	31.2	µg/kg	10.0	33.33		93.6	55-143			
4,4'-DDT	29.6	µg/kg	10.0	33.33		88.9	50-144			
Aldrin	30.9	µg/kg	10.0	33.33		92.7	57-141			
alpha-BHC	29.5	µg/kg	10.0	33.33		88.5	58-144			
beta-BHC	30.2	µg/kg	10.0	33.33		90.8	55-147			
cis-Chlordane	30.8	µg/kg	10.0	33.33		92.6	58-142			
delta-BHC	27.2	µg/kg	10.0	33.33		81.8	59-142			
Dieldrin	31.6	µg/kg	10.0	33.33		94.9	59-142			
Endosulfan I	28.6	µg/kg	10.0	33.33		85.9	57-145			
Endosulfan II	30.9	µg/kg	10.0	33.33		92.6	58-138			
Endosulfan sulfate	29.9	µg/kg	10.0	33.33		89.7	54-136			
Endrin	31.2	µg/kg	10.0	33.33		93.6	45-150			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455413

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3887454

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2455413-002
-----	--------------------------------------	------------------------

Method: EPA 8081B

Dilution: 1

Analysis Date: 02/17/26 17:41

Prep Date: 02/14/26 13:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	23.8	µg/kg	10.0	33.33		71.4	41-147			
Endrin ketone	29.8	µg/kg	10.0	33.33		89.5	54-146			
gamma-BHC (Lindane)	29.5	µg/kg	10.0	33.33		88.6	58-145			
Heptachlor	28.8	µg/kg	10.0	33.33		86.3	51-145			
Heptachlor epoxide	31.6	µg/kg	10.0	33.33		94.7	59-143			
Methoxychlor	29.4	µg/kg	10.0	33.33		88.3	43-144			
trans-Chlordane	30.7	µg/kg	10.0	33.33		92.2	56-145			
Surr: Decachlorobiphenyl	28.2	µg/kg		33.33		84.5	51-151			
Surr: Tetrachloro-m-xylene	29.2	µg/kg		33.33		87.7	67-127			

MS	CLIENT ID: Batch QC	Lab ID: QC-2455413-005
----	---------------------	------------------------

Method: EPA 8081B

Dilution: 1

Analysis Date: 02/17/26 20:26

Prep Date: 02/14/26 13:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	31.1	µg/kg	10.9	32.818	<6.29	94.8	55-141			
4,4'-DDE	31.0	µg/kg	10.9	32.818	<6.49	94.6	55-143			
4,4'-DDT	31.6	µg/kg	10.9	32.818	<6.55	96.2	50-144			
Aldrin	31.2	µg/kg	10.9	32.818	<6.40	95.0	57-141			
alpha-BHC	29.2	µg/kg	10.9	32.818	<6.48	88.9	58-144			
beta-BHC	29.7	µg/kg	10.9	32.818	<6.47	90.4	55-147			
cis-Chlordane	30.9	µg/kg	10.9	32.818	<6.58	94.2	58-142			
delta-BHC	26.7	µg/kg	10.9	32.818	<6.45	81.3	59-142			
Dieldrin	31.6	µg/kg	10.9	32.818	<6.89	96.2	59-142			
Endosulfan I	29.8	µg/kg	10.9	32.818	<6.62	90.8	57-145			
Endosulfan II	30.7	µg/kg	10.9	32.818	<6.52	93.7	58-138			
Endosulfan sulfate	29.6	µg/kg	10.9	32.818	<6.06	90.1	54-135			
Endrin	32.0	µg/kg	10.9	32.818	<7.97	97.4	45-150			
Endrin aldehyde	28.9	µg/kg	10.9	32.818	<6.24	87.9	41-147			
Endrin ketone	29.3	µg/kg	10.9	32.818	<5.99	89.2	54-146			
gamma-BHC (Lindane)	28.9	µg/kg	10.9	32.818	<6.46	88.1	58-145			
Heptachlor	30.3	µg/kg	10.9	32.818	<6.35	92.2	51-145			
Heptachlor epoxide	31.5	µg/kg	10.9	32.818	<6.51	95.9	59-143			
Methoxychlor	31.1	µg/kg	10.9	32.818	<6.58	94.8	43-144			
trans-Chlordane	32.1	µg/kg	10.9	32.818	<6.54	98.0	56-145			
Surr: Decachlorobiphenyl	27.7	µg/kg		32.818		84.3	53-151			
Surr: Tetrachloro-m-xylene	28.8	µg/kg		32.818		87.6	67-127			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2455413-006
-----	---------------------	------------------------

Method: EPA 8081B

Dilution: 1

Analysis Date: 02/17/26 20:40

Prep Date: 02/14/26 13:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	27.9	µg/kg	10.9	32.902	<6.39	84.8	55-141	10.9	20	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455413

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3887454

MSD	CLIENT ID: Batch QC	Lab ID: QC-2455413-006
-----	---------------------	------------------------

Method: EPA 8081B

Dilution: 1

Analysis Date: 02/17/26 20:40

Prep Date: 02/14/26 13:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDE	28.5	µg/kg	10.9	32.902	<6.59	86.7	55-143	8.47	20	
4,4'-DDT	28.2	µg/kg	10.9	32.902	<6.65	85.7	50-144	11.3	20	
Aldrin	30.0	µg/kg	10.9	32.902	<6.50	91.1	57-141	3.94	20	
alpha-BHC	29.0	µg/kg	10.9	32.902	<6.58	88.1	58-144	0.593	20	
beta-BHC	28.4	µg/kg	10.9	32.902	<6.57	86.3	55-147	4.44	20	
cis-Chlordane	28.6	µg/kg	10.9	32.902	<6.68	86.9	58-142	7.81	20	
delta-BHC	25.7	µg/kg	10.9	32.902	<6.55	78.2	59-142	3.63	20	
Dieldrin	29.2	µg/kg	10.9	32.902	<6.99	88.6	59-142	7.92	20	
Endosulfan I	28.4	µg/kg	10.9	32.902	<6.72	86.4	57-145	4.77	20	
Endosulfan II	28.2	µg/kg	10.9	32.902	<6.62	85.8	58-138	8.55	20	
Endosulfan sulfate	27.1	µg/kg	10.9	32.902	<6.15	82.5	54-135	8.56	20	
Endrin	29.4	µg/kg	10.9	32.902	<8.09	89.5	45-150	8.20	20	
Endrin aldehyde	29.3	µg/kg	10.9	32.902	<6.34	89.2	41-147	1.67	20	
Endrin ketone	26.3	µg/kg	10.9	32.902	<6.08	80.0	54-146	10.6	20	
gamma-BHC (Lindane)	29.2	µg/kg	10.9	32.902	<6.56	88.8	58-145	1.10	20	
Heptachlor	29.7	µg/kg	10.9	32.902	<6.45	90.2	51-145	1.94	20	
Heptachlor epoxide	30.0	µg/kg	10.9	32.902	<6.62	91.1	59-143	4.88	20	
Methoxychlor	28.6	µg/kg	10.9	32.902	<6.69	86.9	43-144	8.45	20	
trans-Chlordane	38.1	µg/kg	10.9	32.902	<6.64	116	56-145	16.9	20	
Surr: Decachlorobiphenyl	23.3	µg/kg		32.902		71.0	53-151	16.9	30	
Surr: Tetrachloro-m-xylene	28.2	µg/kg		32.902		85.8	67-127	1.88	30	

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455412

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3885722

Polychlorinated Biphenyls (PCBs) by GC/ECD

MB	CLIENT ID: Method Blank				Lab ID: QC-2455412-001					
Method: EPA 8082A		Dilution: 1			Analysis Date: 02/16/26 19:13					
					Prep Date: 02/14/26 13:00					
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	<22.9	µg/kg	66.7							U
Aroclor 1221	<22.9	µg/kg	66.7							U
Aroclor 1232	<22.9	µg/kg	66.7							U
Aroclor 1242	<22.9	µg/kg	66.7							U
Aroclor 1248	<22.9	µg/kg	66.7							U
Aroclor 1254	<18.6	µg/kg	66.7							U
Aroclor 1260	<18.6	µg/kg	66.7							U
Aroclor 1262	<18.6	µg/kg	66.7							U
Aroclor 1268	<18.6	µg/kg	66.7							U
Total PCB	<18.6	µg/kg	66.7							U
Surr: Decachlorobiphenyl	30.9	µg/kg		33.3		92.8	54-146			
Surr: Tetrachloro-m-xylene	29.8	µg/kg		33.3		89.4	58-140			

LCS		CLIENT ID: Laboratory Control Sample				Lab ID: QC-2455412-002				
Method: EPA 8082A		Dilution: 1		Analysis Date: 02/16/26 19:25						
				Prep Date: 02/14/26 13:00						
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	716	µg/kg	66.7	833		85.9	71-135			
Aroclor 1260	737	µg/kg	66.7	833		88.5	67-135			
Surr: Decachlorobiphenyl	29.9	µg/kg		33.3		89.8	54-146			
Surr: Tetrachloro-m-xylene	26.8	µg/kg		33.3		80.6	58-140			

MS		CLIENT ID: Batch QC				Lab ID: QC-2455412-005				
Method: EPA 8082A		Dilution: 1				Analysis Date: 02/16/26 21:11				
						Prep Date: 02/14/26 13:00				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	784	µg/kg	72.3	818.45	<22.5	95.8	71-135			
Aroclor 1260	760	µg/kg	72.3	818.45	<18.3	92.9	67-135			
Surr: Decachlorobiphenyl	31.3	µg/kg		32.718		95.7	54-146			
Surr: Tetrachloro-m-xylene	28.5	µg/kg		32.718		87.2	58-140			

MSD		CLIENT ID: Batch QC				Lab ID: QC-2455412-006				
Method: EPA 8082A		Dilution: 1				Analysis Date: 02/16/26 21:23				
						Prep Date: 02/14/26 13:00				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	754	µg/kg	72.6	821.64	<22.9	91.7	71-135	3.98	20	
Aroclor 1260	700	µg/kg	72.6	821.64	<18.6	85.2	67-135	8.28	20	
Surr: Decachlorobiphenyl	27.9	µg/kg		32.846		84.9	54-146	11.5	30	
Surr: Tetrachloro-m-xylene	27.3	µg/kg		32.846		83.1	58-140	4.43	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455412

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3885722

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

Semivolatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2455249-001
----	-------------------------	------------------------

Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/17/26 14:38**Prep Date:** 02/14/26 10:13

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



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

MB	CLIENT ID: Method Blank	Lab ID: QC-2455249-001
----	-------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 14:38

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Butyl benzyl phthalate	<41.7	µg/kg	67.0							U
Caprolactam	<30.1	µg/kg	33.0							U
Carbazole	<9.82	µg/kg	33.0							U
Chrysene	<5.39	µg/kg	6.67							U
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	<27.6	µg/kg	33.0							U
Dibenz(a,h) anthracene	<3.60	µg/kg	33.0							U
Dibenzofuran	<4.90	µg/kg	33.0							U
Diethyl phthalate	<11.3	µg/kg	33.0							U
Dimethyl phthalate	<6.50	µg/kg	33.0							U
Fluoranthene	<3.20	µg/kg	6.67							U
Fluorene	<4.84	µg/kg	6.67							U
Hexachlorobenzene	<9.70	µg/kg	33.0							U
Hexachlorobutadiene	<7.85	µg/kg	33.0							U
Hexachlorocyclopentadiene	<31.6	µg/kg	33.0							U
Hexachloroethane	<13.8	µg/kg	33.0							U
Indeno(1,2,3-cd) pyrene	<4.64	µg/kg	6.67							U
Isophorone	<6.51	µg/kg	167							U
Methylphenol, Total	<9.01	µg/kg	67.0							U
Naphthalene	<4.26	µg/kg	6.67							U
Nitrobenzene	<11.2	µg/kg	167							U
n-Nitrosodi-n-propylamine	<5.50	µg/kg	33.0							U
N-Nitrosodiphenylamine	<19.3	µg/kg	33.0							U
Pentachlorophenol	<26.5	µg/kg	33.0							U
Phenanthrene	<3.10	µg/kg	6.67							U
Phenol	<16.7	µg/kg	33.0							U
Pyrene	<3.33	µg/kg	6.67							U
Pyridine	<65.6	µg/kg	167							U
Surr: 2,4,6-Tribromophenol	2880	µg/kg		3333		86.4	48-94			
Surr: 2-Fluorobiphenyl	2690	µg/kg		3333		80.6	50-103			
Surr: 2-Fluorophenol	2660	µg/kg		3333		79.9	43-105			
Surr: 4-Terphenyl-d14	2740	µg/kg		3333		82.3	55-111			
Surr: Nitrobenzene-d5	3040	µg/kg		3333		91.3	47-100			
Surr: Phenol-d6	2680	µg/kg		3333		80.3	49-110			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2455249-002
-----	--------------------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 15:07

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1230	µg/kg	33.0	1333		91.9	57-101			
1,2,4,5-Tetrachlorobenzene	1280	µg/kg	33.0	1333		95.7	54-98			
1-Methylnaphthalene	1180	µg/kg	6.67	1333		88.2	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	1040	µg/kg	33.0	1333		78.1	50-101			
2,3,4,6-Tetrachlorophenol	1240	µg/kg	67.0	1333		92.9	48-103			



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2455249-002
-----	--------------------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 15:07

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1130	µg/kg	33.0	1333		84.8	54-98			
2,4,6-Trichlorophenol	1110	µg/kg	33.0	1333		83.2	56-97			
2,4-Dichlorophenol	1150	µg/kg	33.0	1333		86.2	54-99			
2,4-Dimethylphenol	1020	µg/kg	33.0	1333		76.5	47-102			
2,4-Dinitrophenol	1040	µg/kg	333	1333		77.9	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1150	µg/kg	33.0	1333		86.2	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1170	µg/kg	33.0	1333		87.4	62-103			
2-Chloronaphthalene	1020	µg/kg	6.67	1333		76.8	57-101			
2-Chlorophenol	1040	µg/kg	33.0	1333		78.1	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	1140	µg/kg	33.0	1333		85.7	42-104			
2-Methylnaphthalene	1170	µg/kg	6.67	1333		87.5	55-102			
2-Methylphenol (o-Cresol)	1020	µg/kg	33.0	1333		76.7	54-103			
2-Nitroaniline	963	µg/kg	33.0	1333		72.3	57-103			
2-Nitrophenol	1180	µg/kg	33.0	1333		88.7	52-102			
3&4-Methylphenol	1010	µg/kg	33.0	1333		76.1	56-103			
3,3'-Dichlorobenzidine	756	µg/kg	167	1333		56.7	41-91			
3-Nitroaniline	758	µg/kg	33.0	1333		56.9	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1200	µg/kg	33.0	1333		89.8	63-104			
4-Chloro-3-methylphenol	1140	µg/kg	33.0	1333		85.2	57-103			
4-Chloroaniline	1200	µg/kg	67.0	1333		89.9	32-99			
4-Chlorophenyl phenylether	1210	µg/kg	33.0	1333		90.9	62-100			
4-Nitroaniline	543	µg/kg	167	1333		40.8	19-124			
4-Nitrophenol	1020	µg/kg	333	1333		76.9	44-106			
Acenaphthene	1100	µg/kg	6.67	1333		82.7	60-101			
Acenaphthylene	1140	µg/kg	6.67	1333		85.3	59-101			
Acetophenone	1060	µg/kg	33.0	1333		79.2	54-102			
Anthracene	1140	µg/kg	6.67	1333		85.7	63-96			
Atrazine	1280	µg/kg	33.0	1333		95.9	60-110			
Benzaldehyde	228	µg/kg	67.0	1333		17.1	10-143			
Benzo(a)anthracene	1110	µg/kg	6.67	1333		83.3	66-102			
Benzo(a)pyrene	1140	µg/kg	6.67	1333		85.4	66-105			
Benzo(b)fluoranthene	1020	µg/kg	6.67	1333		76.9	67-105			
Benzo(g,h,i)perylene	1110	µg/kg	6.67	1333		83.5	59-110			
Benzo(k)fluoranthene	1180	µg/kg	6.67	1333		88.4	68-106			
bis(2-Chloroethoxy)methane	1040	µg/kg	33.0	1333		78.1	54-102			
bis(2-Chloroethyl) ether	1020	µg/kg	33.0	1333		76.5	51-101			
Butyl benzyl phthalate	1060	µg/kg	67.0	1333		79.5	59-107			
Caprolactam	960	µg/kg	33.0	1333		72.0	49-103			
Carbazole	1110	µg/kg	33.0	1333		83.6	63-103			
Chrysene	1150	µg/kg	6.67	1333		86.4	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1070	µg/kg	33.0	1333		80.6	63-101			
Dibenz(a,h) anthracene	1120	µg/kg	33.0	1333		83.8	61-109			
Dibenzofuran	1140	µg/kg	33.0	1333		85.3	61-101			
Diethyl phthalate	1160	µg/kg	33.0	1333		86.8	63-105			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2455249-002
-----	--------------------------------------	------------------------

Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/17/26 15:07**Prep Date:** 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Dimethyl phthalate	1160	µg/kg	33.0	1333		87.0	64-104			
Fluoranthene	1170	µg/kg	6.67	1333		88.0	66-105			
Fluorene	1150	µg/kg	6.67	1333		86.1	62-101			
Hexachlorobenzene	1200	µg/kg	33.0	1333		90.3	61-104			
Hexachlorobutadiene	1250	µg/kg	33.0	1333		93.4	52-99			
Hexachlorocyclopentadiene	1000	µg/kg	33.0	1333		75.2	39-106			
Hexachloroethane	1020	µg/kg	33.0	1333		76.8	59-99			
Indeno(1,2,3-cd) pyrene	1130	µg/kg	6.67	1333		85.0	57-114			
Isophorone	1160	µg/kg	167	1333		87.3	55-101			
Methylphenol, Total	2040	µg/kg	67.0	2667		76.4	54-103			
Naphthalene	1150	µg/kg	6.67	1333		86.1	54-99			
Nitrobenzene	1170	µg/kg	167	1333		87.6	53-100			
n-Nitrosodi-n-propylamine	1050	µg/kg	33.0	1333		78.5	52-104			
N-Nitrosodiphenylamine	1100	µg/kg	33.0	1333		82.2	61-104			
Pentachlorophenol	963	µg/kg	33.0	1333		72.2	35-100			
Phenanthrene	1110	µg/kg	6.67	1333		83.5	64-101			
Phenol	1010	µg/kg	33.0	1333		76.1	51-107			
Pyrene	1140	µg/kg	6.67	1333		85.6	62-114			
Pyridine	849	µg/kg	167	1333		63.7	40-84			
Surr: 2,4,6-Tribromophenol	3040	µg/kg		3333		91.2	48-94			
Surr: 2-Fluorobiphenyl	2670	µg/kg		3333		80.1	50-103			
Surr: 2-Fluorophenol	2530	µg/kg		3333		75.8	43-105			
Surr: 4-Terphenyl-d14	2710	µg/kg		3333		81.2	55-111			
Surr: Nitrobenzene-d5	3120	µg/kg		3333		93.6	47-100			
Surr: Phenol-d6	2650	µg/kg		3333		79.6	49-110			

MS	CLIENT ID: 3999 SB01 (1-2')_20260211	Lab ID: QC-2455249-005
----	--------------------------------------	------------------------

Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/17/26 15:35**Prep Date:** 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1040	µg/kg	38.5	1324.1	<5.37	78.6	57-101			
1,2,4,5-Tetrachlorobenzene	1080	µg/kg	389	1324.1	<7.64	81.4	54-98			
1-Methylnaphthalene	1010	µg/kg	7.78	1324.1	82.5	70.8	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	895	µg/kg	38.5	1324.1	<7.76	67.6	50-101			
2,3,4,6-Tetrachlorophenol	1040	µg/kg	77.8	1324.1	<24.2	78.5	48-103			
2,4,5-Trichlorophenol	1000	µg/kg	38.5	1324.1	<19.6	75.8	54-98			
2,4,6-Trichlorophenol	987	µg/kg	38.5	1324.1	<8.81	74.6	56-97			
2,4-Dichlorophenol	1010	µg/kg	38.5	1324.1	<17.8	76.6	54-99			
2,4-Dimethylphenol	890	µg/kg	38.5	1324.1	<17.0	67.2	47-102			
2,4-Dinitrophenol	<242	µg/kg	389	1324.1	<242	26.1	10-100			
2,4-Dinitrotoluene (2,4-DNT)	968	µg/kg	38.5	1324.1	<21.5	73.1	62-105			
2,6-Dinitrotoluene (2,6-DNT)	974	µg/kg	38.5	1324.1	<8.45	73.6	62-103			
2-Chloronaphthalene	890	µg/kg	7.78	1324.1	<4.63	67.2	57-101			

U

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

MS	CLIENT ID: 3999 SB01 (1-2')_20260211	Lab ID: QC-2455249-005
----	--------------------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 15:35

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2-Chlorophenol	913	µg/kg	38.5	1324.1	<21.7	68.9	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	774	µg/kg	38.5	1324.1	<27.7	58.5	42-104			
2-Methylnaphthalene	999	µg/kg	7.78	1324.1	86.4	69.9	55-102			
2-Methylphenol (o-Cresol)	875	µg/kg	38.5	1324.1	<8.95	66.1	54-103			
2-Nitroaniline	830	µg/kg	38.5	1324.1	<18.4	62.7	57-103			
2-Nitrophenol	1020	µg/kg	38.5	1324.1	<9.44	76.9	52-102			
3&4-Methylphenol	860	µg/kg	38.5	1324.1	<18.0	64.9	56-103			
3,3'-Dichlorobenzidine	426	µg/kg	194	1324.1	<15.5	32.2	41-91			S
3-Nitroaniline	516	µg/kg	38.5	1324.1	<19.2	39.0	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1010	µg/kg	38.5	1324.1	<18.1	76.5	63-104			
4-Chloro-3-methylphenol	972	µg/kg	38.5	1324.1	<9.44	73.4	57-103			
4-Chloroaniline	875	µg/kg	77.8	1324.1	<16.8	66.1	32-99			
4-Chlorophenyl phenylether	1020	µg/kg	38.5	1324.1	<9.15	76.9	62-100			
4-Nitroaniline	366	µg/kg	194	1324.1	<51.4	27.7	19-124			
4-Nitrophenol	875	µg/kg	389	1324.1	<77.5	66.1	44-106			
Acenaphthene	968	µg/kg	7.78	1324.1	197	60.4	60-101			
Acenaphthylene	969	µg/kg	7.78	1324.1	21.8	71.8	59-101			
Acetophenone	899	µg/kg	38.5	1324.1	<5.19	67.9	54-102			
Anthracene	990	µg/kg	7.78	1324.1	284	56.5	63-96			S
Atrazine	1090	µg/kg	38.5	1324.1	<19.4	82.5	60-110			
Benzaldehyde	173	µg/kg	77.8	1324.1	<50.9	13.1	10-143			
Benzo(a)anthracene	1050	µg/kg	7.78	1324.1	784	28.6	66-102			S
Benzo(a)pyrene	1080	µg/kg	7.78	1324.1	756	33.1	66-105			S
Benzo(b)fluoranthene	1050	µg/kg	7.78	1324.1	971	16.8	67-105			S
Benzo(g,h,i)perylene	1020	µg/kg	7.78	1324.1	508	44.6	59-110			S
Benzo(k)fluoranthene	1030	µg/kg	7.78	1324.1	380	53.4	68-106			S
bis(2-Chloroethoxy)methane	895	µg/kg	38.5	1324.1	<21.0	67.6	54-102			
bis(2-Chloroethyl) ether	917	µg/kg	38.5	1324.1	<9.38	69.2	51-101			
Butyl benzyl phthalate	899	µg/kg	77.8	1324.1	<41.5	67.9	59-107			
Caprolactam	779	µg/kg	38.5	1324.1	<29.9	58.8	49-103			
Carbazole	962	µg/kg	38.5	1324.1	167	61.9	63-103			S
Chrysene	1080	µg/kg	7.78	1324.1	808	29.7	66-105			S
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	923	µg/kg	38.5	1324.1	<27.4	69.7	63-101			
Dibenz(a,h) anthracene	954	µg/kg	38.5	1324.1	111	64.9	61-109			
Dibenzofuran	974	µg/kg	38.5	1324.1	104	66.9	61-101			
Diethyl phthalate	960	µg/kg	38.5	1324.1	<11.3	72.5	63-105			
Dimethyl phthalate	959	µg/kg	38.5	1324.1	<6.46	72.4	64-104			
Fluoranthene	1180	µg/kg	7.78	1333	1920	NC	66-105			
Fluorene	983	µg/kg	7.78	1324.1	216	60.3	62-101			S
Hexachlorobenzene	1040	µg/kg	38.5	1324.1	<9.64	78.8	61-104			
Hexachlorobutadiene	1090	µg/kg	38.5	1324.1	<7.80	82.5	52-99			
Hexachlorocyclopentadiene	720	µg/kg	38.5	1324.1	<32.4	54.4	39-106			
Hexachloroethane	914	µg/kg	38.5	1324.1	<13.7	69.0	59-99			
Indeno(1,2,3-cd) pyrene	1060	µg/kg	7.78	1324.1	572	43.6	57-114			S

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

MS	CLIENT ID: 3999 SB01 (1-2')_20260211	Lab ID: QC-2455249-005
----	--------------------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 15:35

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Isophorone	949	µg/kg	194	1324.1	<6.47	71.7	55-101			
Methylphenol, Total	1730	µg/kg	38.5	2649.2	<8.95	65.5	54-103			
Naphthalene	1010	µg/kg	7.78	1324.1	124	68.2	54-99			
Nitrobenzene	1000	µg/kg	194	1324.1	<11.1	75.7	53-100			
n-Nitrosodi-n-propylamine	874	µg/kg	38.5	1324.1	<5.46	66.0	52-104			
N-Nitrosodiphenylamine	944	µg/kg	38.5	1324.1	<19.2	71.3	61-104			
Pentachlorophenol	817	µg/kg	38.5	1324.1	<26.3	61.7	35-100			
Phenanthrene	1020	µg/kg	7.78	1333	1640	NC	64-101			
Phenol	888	µg/kg	38.5	1324.1	<16.6	67.1	51-107			
Pyrene	1110	µg/kg	7.78	1333	1620	NC	52-114			
Pyridine	885	µg/kg	194	1324.1	<65.2	66.8	40-84			
Surr: 2,4,6-Tribromophenol	2680	µg/kg		3310.8		81.1	48-94			
Surr: 2-Fluorobiphenyl	2270	µg/kg		3310.8		68.6	50-103			
Surr: 2-Fluorophenol	2210	µg/kg		3310.8		66.7	43-105			
Surr: 4-Terphenyl-d14	2250	µg/kg		3310.8		67.9	55-111			
Surr: Nitrobenzene-d5	2640	µg/kg		3310.8		79.8	47-100			
Surr: Phenol-d6	2270	µg/kg		3310.8		68.4	49-110			

MSD	CLIENT ID: 3999 SB01 (1-2')_20260211	Lab ID: QC-2455249-006
-----	--------------------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 16:03

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1090	µg/kg	38.5	1323.1	<5.41	82.1	57-101	4.28	30	
1,2,4,5-Tetrachlorobenzene	1140	µg/kg	388	1323.1	<7.69	86.5	54-98	6.06	30	
1-Methylnaphthalene	1060	µg/kg	7.77	1323.1	82.5	75.0	56-100	5.36	30	
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	918	µg/kg	38.5	1323.1	<7.81	69.4	50-101	2.48	30	
2,3,4,6-Tetrachlorophenol	1080	µg/kg	77.7	1323.1	<24.4	81.5	48-103	3.67	30	
2,4,5-Trichlorophenol	1050	µg/kg	38.5	1323.1	<19.8	79.1	54-98	4.18	30	
2,4,6-Trichlorophenol	1010	µg/kg	38.5	1323.1	<8.87	76.6	56-97	2.57	30	
2,4-Dichlorophenol	1050	µg/kg	38.5	1323.1	<17.9	79.1	54-99	3.20	30	
2,4-Dimethylphenol	969	µg/kg	38.5	1323.1	<17.1	73.2	47-102	8.47	30	
2,4-Dinitrophenol	<244	µg/kg	388	1323.1	<244	21.5	10-100	NC		U
2,4-Dinitrotoluene (2,4-DNT)	1010	µg/kg	38.5	1323.1	<21.6	76.5	62-105	4.40	30	
2,6-Dinitrotoluene (2,6-DNT)	1010	µg/kg	38.5	1323.1	<8.51	76.2	62-103	3.46	30	
2-Chloronaphthalene	912	µg/kg	7.77	1323.1	<4.66	69.0	57-101	2.49	30	
2-Chlorophenol	940	µg/kg	38.5	1323.1	<21.8	71.1	52-102	2.99	30	
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	714	µg/kg	38.5	1323.1	<27.8	54.0	42-104	8.09	30	
2-Methylnaphthalene	1040	µg/kg	7.77	1323.1	86.4	72.7	55-102	3.56	30	
2-Methylphenol (o-Cresol)	912	µg/kg	38.5	1323.1	<9.01	69.0	54-103	4.22	30	
2-Nitroaniline	842	µg/kg	38.5	1323.1	<18.5	63.6	57-103	1.35	30	
2-Nitrophenol	1060	µg/kg	38.5	1323.1	<9.50	80.5	52-102	4.50	30	
3&4-Methylphenol	902	µg/kg	38.5	1323.1	<18.2	68.2	56-103	4.81	30	
3,3'-Dichlorobenzidine	502	µg/kg	194	1323.1	<15.6	37.9	41-91	16.2	30	S

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

MSD	CLIENT ID: 3999 SB01 (1-2')_20260211	Lab ID: QC-2455249-006
-----	--------------------------------------	------------------------

Method: EPA 8270E

Dilution: 1

Analysis Date: 02/17/26 16:03

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
3-Nitroaniline	750	µg/kg	38.5	1323.1	<19.4	56.7	35-107	37.0	30	R
4-Bromophenyl phenyl ether (BDE-3)	1050	µg/kg	38.5	1323.1	<18.3	79.4	63-104	3.64	30	
4-Chloro-3-methylphenol	1020	µg/kg	38.5	1323.1	<9.50	77.2	57-103	4.90	30	
4-Chloroaniline	931	µg/kg	77.7	1323.1	<16.9	70.4	32-99	6.23	30	
4-Chlorophenyl phenylether	1050	µg/kg	38.5	1323.1	<9.21	79.5	62-100	3.31	30	
4-Nitroaniline	505	µg/kg	194	1323.1	<51.7	38.2	19-124	31.8	30	R
4-Nitrophenol	880	µg/kg	388	1323.1	<78.1	66.5	44-106	0.600	30	
Acenaphthene	985	µg/kg	7.77	1323.1	197	61.8	60-101	1.82	30	
Acenaphthylene	1010	µg/kg	7.77	1323.1	21.8	75.2	59-101	4.53	30	
Acetophenone	937	µg/kg	38.5	1323.1	<5.22	70.8	54-102	4.18	30	
Anthracene	1050	µg/kg	7.77	1323.1	284	60.9	63-96	5.64	30	S
Atrazine	1110	µg/kg	38.5	1323.1	<19.5	84.3	60-110	2.08	30	
Benzaldehyde	570	µg/kg	77.7	1323.1	<51.2	43.1	10-143	107	30	R
Benzo(a)anthracene	1150	µg/kg	7.77	1323.1	784	36.4	66-102	9.34	30	S
Benzo(a)pyrene	1180	µg/kg	7.77	1323.1	756	40.7	66-105	8.87	30	S
Benzo(b)fluoranthene	1150	µg/kg	7.77	1323.1	971	24.1	67-105	8.78	30	S
Benzo(g,h,i)perylene	1090	µg/kg	7.77	1323.1	508	49.7	59-110	6.44	30	S
Benzo(k)fluoranthene	1110	µg/kg	7.77	1323.1	380	59.2	68-106	7.23	30	S
bis(2-Chloroethoxy)methane	918	µg/kg	38.5	1323.1	<21.1	69.4	54-102	2.48	30	
bis(2-Chloroethyl) ether	897	µg/kg	38.5	1323.1	<9.44	67.8	51-101	2.12	30	
Butyl benzyl phthalate	973	µg/kg	77.7	1323.1	<41.7	73.5	59-107	7.84	30	
Caprolactam	805	µg/kg	38.5	1323.1	<30.1	60.8	49-103	3.27	30	
Carbazole	983	µg/kg	38.5	1323.1	167	63.6	63-103	2.17	30	
Chrysene	1180	µg/kg	7.77	1323.1	808	37.1	66-105	8.59	30	S
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	998	µg/kg	38.5	1323.1	<27.6	75.5	63-101	7.84	30	
Dibenz(a,h) anthracene	980	µg/kg	38.5	1323.1	111	66.9	61-109	2.66	30	
Dibenzofuran	1020	µg/kg	38.5	1323.1	104	70.7	61-101	5.02	30	
Diethyl phthalate	995	µg/kg	38.5	1323.1	<11.3	75.2	63-105	3.58	30	
Dimethyl phthalate	989	µg/kg	38.5	1323.1	<6.50	74.8	64-104	3.11	30	
Fluoranthene	1360	µg/kg	7.77	1333	1920	NC	66-105	14.3	30	
Fluorene	1030	µg/kg	7.77	1323.1	216	63.7	62-101	4.40	30	
Hexachlorobenzene	1070	µg/kg	38.5	1323.1	<9.70	80.8	61-104	2.43	30	
Hexachlorobutadiene	1130	µg/kg	38.5	1323.1	<7.85	85.5	52-99	3.49	30	
Hexachlorocyclopentadiene	548	µg/kg	38.5	1323.1	<32.6	41.4	39-106	27.2	30	
Hexachloroethane	920	µg/kg	38.5	1323.1	<13.8	69.5	59-99	0.643	30	
Indeno(1,2,3-cd) pyrene	1150	µg/kg	7.77	1323.1	572	50.0	57-114	7.64	30	S
Isophorone	994	µg/kg	194	1323.1	<6.51	75.1	55-101	4.62	30	
Methylphenol, Total	1810	µg/kg	67.0	2647.1	<9.01	68.5	54-103	4.51	30	
Naphthalene	1040	µg/kg	7.77	1323.1	124	70.5	54-99	2.83	30	
Nitrobenzene	1030	µg/kg	194	1323.1	<11.2	78.1	53-100	3.04	30	
n-Nitrosodi-n-propylamine	924	µg/kg	38.5	1323.1	<5.50	69.9	52-104	5.59	30	
N-Nitrosodiphenylamine	971	µg/kg	38.5	1323.1	<19.3	73.4	61-104	2.83	30	
Pentachlorophenol	828	µg/kg	38.5	1323.1	<26.5	62.6	35-100	1.45	30	
Phenanthrene	1180	µg/kg	7.77	1333	1640	NC	64-101	15.0	30	
Phenol	881	µg/kg	38.5	1323.1	<16.7	66.6	51-107	0.753	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2455249

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3886098

MSD	CLIENT ID: 3999 SB01 (1-2')_20260211	Lab ID: QC-2455249-006
------------	---	-------------------------------

Method: EPA 8270E **Dilution:** 1 **Analysis Date:** 02/17/26 16:03

Prep Date: 02/14/26 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Pyrene	1380	µg/kg	7.77	1323.1	1620	0.391	52-114	21.4	30	S
Pyridine	867	µg/kg	194	1323.1	<65.6	65.6	40-84	1.97	30	
<i>Surr: 2,4,6-Tribromophenol</i>	2740	µg/kg		3308.1		82.9	48-94	2.12	30	
<i>Surr: 2-Fluorobiphenyl</i>	2350	µg/kg		3308.1		71.2	50-103	3.64	30	
<i>Surr: 2-Fluorophenol</i>	2170	µg/kg		3308.1		65.6	43-105	1.71	30	
<i>Surr: 4-Terphenyl-d14</i>	2460	µg/kg		3308.1		74.3	55-111	8.95	30	
<i>Surr: Nitrobenzene-d5</i>	2710	µg/kg		3308.1		81.9	47-100	2.54	30	
<i>Surr: Phenol-d6</i>	2270	µg/kg		3308.1		68.6	49-110	0.183	30	

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

Volatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2452831-001
----	-------------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/12/26 23:13

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	<13.6	µg/kg	30.0							U
1,1,2,2-Tetrachloroethane	<13.2	µg/kg	30.0							U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<19.0	µg/kg	30.0							U
1,1,2-Trichloroethane	<12.8	µg/kg	30.0							U
1,1-Dichloroethane	<10.9	µg/kg	30.0							U
1,1-Dichloroethylene	<9.72	µg/kg	30.0							U
1,2,3-Trichlorobenzene	<36.0	µg/kg	100							U
1,2,3-Trichloropropane	<12.6	µg/kg	30.0							U
1,2,4-Trichlorobenzene	<34.0	µg/kg	100							U
1,2,4-Trimethylbenzene	<22.0	µg/kg	30.0							U
1,2-Dibromo-3-chloropropane (DBCP)	<27.6	µg/kg	100							U
1,2-Dibromoethane (EDB, Ethylene dibromide)	<17.6	µg/kg	30.0							U
1,2-Dichlorobenzene (o-Dichlorobenzene)	<11.4	µg/kg	30.0							U
1,2-Dichloroethane (Ethylene dichloride)	<26.3	µg/kg	100							U
1,2-Dichloropropane	<22.1	µg/kg	30.0							U
1,3,5-Trimethylbenzene	<21.2	µg/kg	100							U
1,3-Dichlorobenzene (m-Dichlorobenzene)	<20.7	µg/kg	30.0							U
1,3-Dichloropropene	<16.8	µg/kg	60.0							U
1,4-Dichlorobenzene (p-Dichlorobenzene)	<24.4	µg/kg	30.0							U
2-Butanone (Methyl ethyl ketone, MEK)	510	µg/kg	200							B
2-Hexanone	<14.9	µg/kg	30.0							U
4-Methyl-2-pentanone (MIBK)	<28.0	µg/kg	30.0							U
Acetone	<89.0	µg/kg	100							U
Benzene	<14.5	µg/kg	30.0							U
Bromochloromethane	<15.3	µg/kg	30.0							U
Bromodichloromethane	<16.8	µg/kg	30.0							U
Bromoform	<12.6	µg/kg	30.0							U
Carbon disulfide	<15.5	µg/kg	30.0							U
Carbon tetrachloride	<11.7	µg/kg	30.0							U
Chlorobenzene	<9.96	µg/kg	30.0							U
Chlorodibromomethane	<16.8	µg/kg	30.0							U
Chloroethane (Ethyl chloride)	<84.0	µg/kg	100							U
Chloroform	<11.0	µg/kg	30.0							U
cis-1,2-Dichloroethylene	<19.3	µg/kg	30.0							U
cis-1,3-Dichloropropene	<22.6	µg/kg	30.0							U
Cyclohexane	<23.0	µg/kg	100							U
Dichlorodifluoromethane (Freon-12)	<36.3	µg/kg	100							U
Ethylbenzene	<21.3	µg/kg	30.0							U

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

MB	CLIENT ID: Method Blank	Lab ID: QC-2452831-001
----	-------------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/12/26 23:13

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Isopropylbenzene	<19.0	µg/kg	30.0							U
m+p-Xylene	<40.0	µg/kg	60.0							U
Methyl acetate	<35.9	µg/kg	250							U
Methyl bromide (Bromomethane)	<57.4	µg/kg	100							U
Methyl chloride (Chloromethane)	<82.0	µg/kg	100							U
Methyl tert-butyl ether (MTBE)	<21.9	µg/kg	30.0							U
Methylcyclohexane	<11.4	µg/kg	30.0							U
Methylene chloride (Dichloromethane)	<79.6	µg/kg	250							U
o-Xylene	<11.6	µg/kg	30.0							U
Styrene	<11.9	µg/kg	30.0							U
Tetrachloroethylene (Perchloroethylene)	<18.1	µg/kg	30.0							U
Toluene	<24.7	µg/kg	30.0							U
Total Xylene	<11.6	µg/kg	90.0							U
trans-1,2-Dichloroethylene	<24.8	µg/kg	30.0							U
trans-1,3-Dichloropropylene	<16.8	µg/kg	30.0							U
Trichloroethene (Trichloroethylene)	<13.4	µg/kg	30.0							U
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	<15.3	µg/kg	30.0							U
Vinyl chloride (Chloroethene)	<19.9	µg/kg	30.0							U
Surr: 1,2-Dichloroethane-d4	996	µg/kg		1000		99.6	80-120			
Surr: 4-Bromofluorobenzene	1010	µg/kg		1000		101	80-120			
Surr: Dibromofluoromethane	1010	µg/kg		1000		101	72-120			
Surr: Toluene-d8	1010	µg/kg		1000		101	80-120			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2452831-002
-----	--------------------------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/12/26 22:19

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	953	µg/kg	30.0	1000		95.3	75-121			
1,1,2,2-Tetrachloroethane	868	µg/kg	30.0	1000		86.8	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1090	µg/kg	30.0	1000		109	62-129			
1,1,2-Trichloroethane	890	µg/kg	30.0	1000		89.0	80-123			
1,1-Dichloroethane	1020	µg/kg	30.0	1000		102	74-124			
1,1-Dichloroethylene	1120	µg/kg	30.0	1000		112	68-131			
1,2,3-Trichlorobenzene	825	µg/kg	100	1000		82.5	60-135			
1,2,3-Trichloropropane	834	µg/kg	30.0	1000		83.4	77-121			
1,2,4-Trichlorobenzene	884	µg/kg	100	1000		88.4	63-130			
1,2,4-Trimethylbenzene	852	µg/kg	30.0	1000		85.2	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	850	µg/kg	100	1000		85.0	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	916	µg/kg	30.0	1000		91.6	63-155			
1,2-Dichlorobenzene (o-Dichlorobenzene)	924	µg/kg	30.0	1000		92.4	77-122			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2452831-002
-----	--------------------------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/12/26 22:19

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichloroethane (Ethylene dichloride)	880	µg/kg	100	1000		88.0	70-130			
1,2-Dichloropropane	1060	µg/kg	30.0	1000		106	71-130			
1,3,5-Trimethylbenzene	916	µg/kg	100	1000		91.6	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	932	µg/kg	30.0	1000		93.2	78-121			
1,3-Dichloropropene	1750	µg/kg	60.0	2000		87.4	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	906	µg/kg	30.0	1000		90.6	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	1150	µg/kg	200	1000		115	47-164			
2-Hexanone	962	µg/kg	30.0	1000		96.2	70-137			
4-Methyl-2-pentanone (MIBK)	1480	µg/kg	30.0	1000		148	57-200			
Acetone	958	µg/kg	100	1000		95.8	52-190			
Benzene	1020	µg/kg	30.0	1000		102	78-122			
Bromochloromethane	1100	µg/kg	30.0	1000		110	68-130			
Bromodichloromethane	923	µg/kg	30.0	1000		92.3	75-125			
Bromoform	808	µg/kg	30.0	1000		80.8	59-120			
Carbon disulfide	1190	µg/kg	30.0	1000		119	60-163			
Carbon tetrachloride	962	µg/kg	30.0	1000		96.2	69-123			
Chlorobenzene	892	µg/kg	30.0	1000		89.2	79-120			
Chlorodibromomethane	816	µg/kg	30.0	1000		81.6	57-123			
Chloroethane (Ethyl chloride)	680	µg/kg	100	1000		68.0	38-132			
Chloroform	894	µg/kg	30.0	1000		89.4	72-122			
cis-1,2-Dichloroethylene	1030	µg/kg	30.0	1000		103	74-125			
cis-1,3-Dichloropropene	951	µg/kg	30.0	1000		95.1	62-124			
Dichlorodifluoromethane (Freon-12)	678	µg/kg	100	1000		67.8	28-137			
Ethylbenzene	952	µg/kg	30.0	1000		95.2	75-121			
Isopropylbenzene	936	µg/kg	30.0	1000		93.6	74-121			
m+p-Xylene	1820	µg/kg	60.0	2000		91.0	67-129			
Methyl acetate	962	µg/kg	250	1000		96.2	61-125			
Methyl bromide (Bromomethane)	412	µg/kg	100	1000		41.2	31-169			
Methyl chloride (Chloromethane)	1380	µg/kg	100	1000		138	24-119			S
Methyl tert-butyl ether (MTBE)	980	µg/kg	30.0	1000		98.0	79-139			
Methylene chloride (Dichloromethane)	1140	µg/kg	250	1000		114	62-135			
o-Xylene	938	µg/kg	30.0	1000		93.8	75-120			
Styrene	930	µg/kg	30.0	1000		93.0	74-126			
Tetrachloroethylene (Perchloroethylene)	1160	µg/kg	30.0	1000		116	76-128			
Toluene	902	µg/kg	30.0	1000		90.2	76-120			
Total Xylene	2760	µg/kg	90.0	3000		91.9	67-129			
trans-1,2-Dichloroethylene	1120	µg/kg	30.0	1000		112	72-127			
trans-1,3-Dichloropropylene	797	µg/kg	30.0	1000		79.7	66-120			
Trichloroethene (Trichloroethylene)	970	µg/kg	30.0	1000		97.0	75-122			
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	1010	µg/kg	30.0	1000		101	51-115			
Vinyl chloride (Chloroethene)	1230	µg/kg	30.0	1000		123	43-128			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2452831-002
-----	--------------------------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/12/26 22:19

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	990	µg/kg		1000		99.0	80-120			
Surr: 4-Bromofluorobenzene	997	µg/kg		1000		99.7	80-120			
Surr: Dibromofluoromethane	1040	µg/kg		1000		104	72-120			
Surr: Toluene-d8	1000	µg/kg		1000		100	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2452831-005
----	---------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/13/26 05:31

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	829	µg/kg	30.8	879.51	<12.0	94.3	75-121			
1,1,2,2-Tetrachloroethane	621	µg/kg	30.8	879.51	<11.6	70.6	79-125			S
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1020	µg/kg	30.8	879.51	<16.7	116	62-129			
1,1,2-Trichloroethane	808	µg/kg	30.8	879.51	<11.2	91.8	80-123			
1,1-Dichloroethane	983	µg/kg	30.8	879.51	<9.62	112	74-124			
1,1-Dichloroethylene	1080	µg/kg	30.8	879.51	<8.55	122	68-131			
1,2,3-Trichlorobenzene	726	µg/kg	103	879.51	<31.7	82.6	60-135			
1,2,3-Trichloropropane	723	µg/kg	30.8	879.51	<11.0	82.2	77-121			
1,2,4-Trichlorobenzene	749	µg/kg	103	879.51	<29.9	85.2	63-130			
1,2,4-Trimethylbenzene	795	µg/kg	30.8	879.51	<19.3	90.4	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	639	µg/kg	103	879.51	<24.3	72.7	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	830	µg/kg	30.8	879.51	<15.5	94.4	63-155			
1,2-Dichlorobenzene (o-Dichlorobenzene)	836	µg/kg	30.8	879.51	<10.0	95.0	77-122			
1,2-Dichloroethane (Ethylene dichloride)	814	µg/kg	103	879.51	<23.1	92.5	70-130			
1,2-Dichloropropane	909	µg/kg	30.8	879.51	<19.4	103	71-130			
1,3,5-Trimethylbenzene	828	µg/kg	103	879.51	<18.6	94.2	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	838	µg/kg	30.8	879.51	<18.2	95.3	78-121			
1,3-Dichloropropene	1540	µg/kg	61.5	1759	<14.7	87.8	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	813	µg/kg	30.8	879.51	<21.4	92.4	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	903	µg/kg	205	879.51	<62.8	103	47-164			
2-Hexanone	971	µg/kg	30.8	879.51	<13.1	110	70-137			
4-Methyl-2-pentanone (MIBK)	1140	µg/kg	30.8	879.51	<24.6	129	57-200			
Acetone	1490	µg/kg	103	879.51	<78.3	169	52-190			
Benzene	917	µg/kg	30.8	879.51	<12.8	104	78-122			
Bromochloromethane	986	µg/kg	30.8	879.51	<13.4	112	68-130			
Bromodichloromethane	807	µg/kg	30.8	879.51	<14.8	91.8	75-125			
Bromoform	704	µg/kg	30.8	879.51	<11.1	80.0	59-120			
Carbon disulfide	1060	µg/kg	30.8	879.51	<13.7	120	60-163			
Carbon tetrachloride	810	µg/kg	30.8	879.51	<10.3	92.1	69-123			
Chlorobenzene	826	µg/kg	30.8	879.51	<8.76	93.9	79-120			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

MS	CLIENT ID: Batch QC	Lab ID: QC-2452831-005
----	---------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/13/26 05:31

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chlorodibromomethane	748	µg/kg	30.8	879.51	<14.8	85.0	57-123			
Chloroethane (Ethyl chloride)	616	µg/kg	103	879.51	<73.9	70.0	38-132			
Chloroform	869	µg/kg	30.8	879.51	<9.67	98.8	72-122			
cis-1,2-Dichloroethylene	959	µg/kg	30.8	879.51	<17.0	109	74-125			
cis-1,3-Dichloropropene	824	µg/kg	30.8	879.51	<19.9	93.7	62-124			
Dichlorodifluoromethane (Freon-12)	787	µg/kg	103	879.51	<31.9	89.4	28-137			
Ethylbenzene	873	µg/kg	30.8	879.51	<18.7	99.3	75-121			
Isopropylbenzene	868	µg/kg	30.8	879.51	<16.7	98.7	74-121			
m+p-Xylene	1710	µg/kg	61.5	1759	<35.2	97.3	67-129			
Methyl acetate	1070	µg/kg	256	879.51	<31.6	122	61-125			
Methyl bromide (Bromomethane)	506	µg/kg	103	879.51	<50.5	57.6	31-169			
Methyl chloride (Chloromethane)	1140	µg/kg	103	879.51	<72.1	129	24-119			S
Methyl tert-butyl ether (MTBE)	883	µg/kg	30.8	879.51	<19.2	100	79-139			
Methylene chloride (Dichloromethane)	1090	µg/kg	256	879.51	<70.0	124	62-135			
o-Xylene	861	µg/kg	30.8	879.51	<10.2	98.0	75-120			
Styrene	861	µg/kg	30.8	879.51	<10.5	97.9	74-126			
Tetrachloroethylene (Perchloroethylene)	1490	µg/kg	30.8	879.51	<15.9	170	76-128			S
Toluene	849	µg/kg	30.8	879.51	<21.8	96.6	76-120			
Total Xylene	2570	µg/kg	92.3	2638.5	<10.2	97.5	67-129			
trans-1,2-Dichloroethylene	1060	µg/kg	30.8	879.51	<21.8	120	72-127			
trans-1,3-Dichloropropylene	719	µg/kg	30.8	879.51	<14.7	81.8	66-120			
Trichloroethene (Trichloroethylene)	982	µg/kg	30.8	879.51	<11.8	112	75-122			
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	858	µg/kg	30.8	879.51	<13.5	97.6	51-115			
Vinyl chloride (Chloroethene)	1120	µg/kg	30.8	879.51	<17.5	127	43-128			
Surr: 1,2-Dichloroethane-d4	854	µg/kg		879.51		97.2	80-120			
Surr: 4-Bromofluorobenzene	858	µg/kg		879.51		97.6	80-120			
Surr: Dibromofluoromethane	870	µg/kg		879.51		98.9	72-120			
Surr: Toluene-d8	894	µg/kg		879.51		102	80-120			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2452831-006
-----	---------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/13/26 05:49

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	831	µg/kg	30.8	879.51	<13.6	94.5	75-121	0.212	30	
1,1,2,2-Tetrachloroethane	635	µg/kg	30.8	879.51	<13.2	72.2	79-125	2.17	30	S
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1050	µg/kg	30.8	879.51	<19.0	119	62-129	3.02	30	
1,1,2-Trichloroethane	834	µg/kg	30.8	879.51	<12.8	94.8	80-123	3.21	30	
1,1-Dichloroethane	1010	µg/kg	30.8	879.51	<10.9	114	74-124	2.43	30	
1,1-Dichloroethylene	1120	µg/kg	30.8	879.51	<9.72	128	68-131	4.08	30	
1,2,3-Trichlorobenzene	769	µg/kg	103	879.51	<36.0	87.4	60-135	5.76	30	
1,2,3-Trichloropropane	754	µg/kg	30.8	879.51	<12.6	85.7	77-121	4.23	30	
1,2,4-Trichlorobenzene	794	µg/kg	103	879.51	<34.0	90.2	63-130	5.76	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

MSD	CLIENT ID: Batch QC	Lab ID: QC-2452831-006
-----	---------------------	------------------------

Method: EPA 8260D

Dilution: 1

Analysis Date: 02/13/26 05:49

Prep Date: 02/12/26 15:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	802	µg/kg	30.8	879.51	<22.0	91.2	64-126	0.882	30	
1,2-Dibromo-3-chloropropane (DBCP)	667	µg/kg	103	879.51	<27.6	75.8	55-135	4.24	30	
1,2-Dibromoethane (EDB, Ethylene dibromide)	811	µg/kg	30.8	879.51	<17.6	92.2	63-155	2.30	30	
1,2-Dichlorobenzene (o-Dichlorobenzene)	910	µg/kg	30.8	879.51	<11.4	104	77-122	8.56	30	
1,2-Dichloroethane (Ethylene dichloride)	814	µg/kg	103	879.51	<26.3	92.6	70-130	0.108	30	
1,2-Dichloropropane	880	µg/kg	30.8	879.51	<22.1	100	71-130	3.19	30	
1,3,5-Trimethylbenzene	829	µg/kg	103	879.51	<21.2	94.2	66-130	0.106	30	
1,3-Dichlorobenzene (m-Dichlorobenzene)	874	µg/kg	30.8	879.51	<20.7	99.4	78-121	4.16	30	
1,3-Dichloropropene	1560	µg/kg	61.5	1759	<16.8	88.9	62-124	1.27	30	
1,4-Dichlorobenzene (p-Dichlorobenzene)	892	µg/kg	30.8	879.51	<24.4	101	78-122	9.29	30	
2-Butanone (Methyl ethyl ketone, MEK)	881	µg/kg	205	879.51	<71.4	100	47-164	2.47	30	
2-Hexanone	982	µg/kg	30.8	879.51	<14.9	112	70-137	1.13	30	
4-Methyl-2-pentanone (MIBK)	1200	µg/kg	30.8	879.51	<28.0	136	57-200	5.28	30	
Acetone	1600	µg/kg	103	879.51	<89.0	181	52-190	7.17	30	
Benzene	904	µg/kg	30.8	879.51	<14.5	103	78-122	1.45	30	
Bromochloromethane	1070	µg/kg	30.8	879.51	<15.3	122	68-130	8.37	30	
Bromodichloromethane	817	µg/kg	30.8	879.51	<16.8	92.9	75-125	1.19	30	
Bromoform	730	µg/kg	30.8	879.51	<12.6	83.0	59-120	3.56	30	
Carbon disulfide	1100	µg/kg	30.8	879.51	<15.5	126	60-163	4.56	30	
Carbon tetrachloride	789	µg/kg	30.8	879.51	<11.7	89.8	69-123	2.58	30	
Chlorobenzene	816	µg/kg	30.8	879.51	<9.96	92.8	79-120	1.23	30	
Chlorodibromomethane	769	µg/kg	30.8	879.51	<16.8	87.4	57-123	2.84	30	
Chloroethane (Ethyl chloride)	602	µg/kg	103	879.51	<84.0	68.4	38-132	2.38	30	
Chloroform	919	µg/kg	30.8	879.51	<11.0	104	72-122	5.56	30	
cis-1,2-Dichloroethylene	946	µg/kg	30.8	879.51	<19.3	108	74-125	1.29	30	
cis-1,3-Dichloropropene	808	µg/kg	30.8	879.51	<22.6	91.9	62-124	1.94	30	
Dichlorodifluoromethane (Freon-12)	780	µg/kg	103	879.51	<36.3	88.6	28-137	0.898	30	
Ethylbenzene	838	µg/kg	30.8	879.51	<21.3	95.2	75-121	4.16	30	
Isopropylbenzene	876	µg/kg	30.8	879.51	<19.0	99.6	74-121	0.908	30	
m+p-Xylene	1730	µg/kg	61.5	1759	<40.0	98.5	67-129	1.28	30	
Methyl acetate	998	µg/kg	256	879.51	<35.9	114	61-125	7.01	30	
Methyl bromide (Bromomethane)	516	µg/kg	103	879.51	<57.4	58.6	31-169	1.89	30	
Methyl chloride (Chloromethane)	1150	µg/kg	103	879.51	<82.0	131	24-119	1.54	30	S
Methyl tert-butyl ether (MTBE)	885	µg/kg	30.8	879.51	<21.9	101	79-139	0.299	30	
Methylene chloride (Dichloromethane)	1050	µg/kg	256	879.51	<79.6	119	62-135	3.75	30	
o-Xylene	825	µg/kg	30.8	879.51	<11.6	93.8	75-120	4.28	30	
Styrene	833	µg/kg	30.8	879.51	<11.9	94.8	74-126	3.27	30	
Tetrachloroethylene (Perchloroethylene)	1470	µg/kg	30.8	879.51	<18.1	167	76-128	1.63	30	S
Toluene	861	µg/kg	30.8	879.51	<24.7	98.0	76-120	1.44	30	
Total Xylene	2560	µg/kg	92.3	2638.5	<11.6	97.0	67-129	0.549	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2452831

Work Order: HN2602078
Date Collected: NA
Date Received: NA
Run ID: 3880268

MSD		CLIENT ID: Batch QC				Lab ID: QC-2452831-006				
Method: EPA 8260D		Dilution: 1				Analysis Date: 02/13/26 05:49				
						Prep Date: 02/12/26 15:36				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
trans-1,2-Dichloroethylene	1020	µg/kg	30.8	879.51	<24.8	116	72-127	3.73	30	
trans-1,3-Dichloropropylene	755	µg/kg	30.8	879.51	<16.8	85.8	66-120	4.83	30	
Trichloroethene (Trichloroethylene)	972	µg/kg	30.8	879.51	<13.4	110	75-122	1.08	30	
Trichlorofluoromethane	917	µg/kg	30.8	879.51	<15.3	104	51-115	6.64	30	
(Fluorotrichloromethane, Freon 11)										
Vinyl chloride (Chloroethene)	1130	µg/kg	30.8	879.51	<19.9	129	43-128	1.29	30	S
Surr: 1,2-Dichloroethane-d4	838	µg/kg		879.51		95.3	80-120	1.92	30	
Surr: 4-Bromofluorobenzene	840	µg/kg		879.51		95.5	80-120	2.12	30	
Surr: Dibromofluoromethane	829	µg/kg		879.51		94.3	72-120	4.76	30	
Surr: Toluene-d8	841	µg/kg		879.51		95.6	80-120	6.09	30	

The following samples were analyzed in this batch: HN2602078-001, HN2602078-002, HN2602078-003



right solutions.
right partner.

April 08, 2026

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

Re: **3999 Harding**

Date Received: **03/31/2026**

Work Order: **HN2605054**

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: 3999 Harding

Work Order: HN2605054
Date Received: 31-Mar-2026

CASE NARRATIVE

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

Sample Receipt

1 soil sample was received for analysis at ALS Environmental on 31-Mar-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Workorder: HN2605054

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2605054-001	3999 SB01 (1-2')_20260211	SOIL	02/11/26 10:09	03/31/26 08:00

	Sample Date & Time	Original Sample	Site	Full Sample ID	Sample ID	TCLP:
	2/3/2026 12:57	HN2601568-002	12643 Barlow	12643 SB03 (5-6')_20260203	SB03 (5-6')	Lead
	2/10/2026 12:45	HN2601991-003	12243 Flanders	12243 SB03 (3-4')_20260210	SB03 (3-4')	Lead
	2/4/2026 12:21	HN2601663-003	9161 Norcross	9161 SB03 (5-6')_20260204	SB03 (5-6')	Lead
	2/5/2026 12:09	HN2601730-002	3943 Marlborough	3943 SB02 (3-4')_20100205	SB02 (3-4')	Lead
	2/11/2026 10:09	HN2602078-001	3999 Harding	3999 SB01 (1-2')_20260211	SB01 (1-2')	Lead
	2/11/2026 12:38	HN2602081-003	2622 Lemay	2622 SB03 (5-6')_20260211	SB03 (5-6')	Lead
✓	2/13/2026 11:10	HN2602268-001	6315 Frontenac	6315 SB01 (3-4')_20260213	SB01 (3-4')	Lead
/	2/13/2026 12:05	HN2602267-002	7661 Sherwood	7661 SB02 (3-4')_20260213	SB02 (3-4')	Lead
	2/16/2026 10:55	HN2602334-001	2652 E Kirby	2652 SB01 (1-2')_20260216	SB01 (1-2')	Lead
	2/16/2026	HN2602337-004	6026 Vermont	6026 DUP-I_20260216	DUP-I	Lead
	2/16/2026 14:30	HN2602338-001	4652 18th St	4652 SB01 (1-2')_20260216	SB01 (1-2')	Lead
	2/17/2026 12:50	HN2602410-001	4551 25th St	4551 SB01 (1-2')_20260217	SB01 (1-2')	Lead
	2/17/2026 14:45	HN2602414-002	3736 Roosevelt	3736 SB02 (5-6')_20260217	SB02 (5-6')	Lead
	2/18/2026 8:55	HN2602488-002	3526 25th St	3526 SB02 (1-2')_20260218	SB02 (1-2')	Lead
	2/3/2026 9:06	HN2601590-002	317 Cavalry	317 SB02 (5-6')_20260203	SB02 (5-6')	Lead
	2/3/2026 13:43	HN2601589-001	4608 Burton	4608 SB01 (1-2')_20260203	SB01 (1-2')	Lead
	2/4/2026 13:55	HN2601654-002	7347 American	7347 SB02 (5-6')_20260204	SB02 (5-6')	Lead
	2/4/2026 14:32	HN2601655-001	7356 Wheeler	7356 SB01 (1-2')_20260204	SB01 (1-2')	Lead
	2/5/2026 9:05	HN2601758-001	8717 Dayton	8717 SB01 (1-2')_20260205	SB01 (1-2')	Lead
	2/5/2026 13:58	HN2601746-002	5452 24th St	5452 SB02 (3-4')_20260205	SB02 (3-4')	Lead
	2/6/2026 10:20	HN2601834-001	5243 Spokane	5243 SB01 (1-2')_20260206	SB01 (1-2')	Lead
	2/9/2026 15:15	HN2601890-001	3727 Rochester	3727 SB01 (1-2')_20260209	SB01 (1-2')	Lead
	2/10/2026 13:20	HN2601975-002	8815 American	8815 SB02 (3-4')_20260210	SB02 (3-4')	Chromium
	2/11/2026	HN2602071-004	8999 N Clarendon	8999 DUP-I_20260211	DUP-I	Lead
	2/12/2026	HN2602155-004	12316 Wisconsin	12316 DUP-I_20260212	DUP-I	Lead
	2/18/2026 9:27	HN2602502-002	12878 Robson	12878 SB02 (5-6')_20260218	SB02 (5-6')	Lead
	2/19/2026 13:14	HN2602689-001	14202 Wisconsin	14202 SB01 (5-6')_20260219	SB01 (5-6')	Lead
	2/20/2026 13:48	HN2602700-003	15496 Roselawn	15496 SB03 (1-2')_20260220 RO	SB03 (1-2')	Lead
	2/20/2026 14:10	HN2602707-003	15033 Parkside	15033 SB03 (1-2')_20260220	SB03 (1-2')	Lead
	2/26/2026 15:33	HN2602988-012	5673 28TH ST.	5673 28th SB12 (0-1')_20260226	SB12 (0-1')	Lead
	2/27/2026 12:08	HN2603081-001	8612 ALPINE	8612 Alp SB01 (1-2')_20260227	SB01 (1-2')	Lead
	2/27/2026 14:46	HN2603084-010	1493 ANNABELLE	1493 Ann SB09 (0-1')_20260227	SB09 (0-1')	Lead
	2/27/2026 14:47	HN2603086-010	12725 AUGUST	12725 Aug SB10 (0-1')_20260227	SB10 (0-1')	Lead
	3/4/2026 9:52	HN2603358-006	9624 BESSEMORE	9624 Bes SB04 (0-1')_20260304	SB04 (0-1')	Lead
	3/9/2026 12:27	HN2603642-008	15871 ILIAD	15871 Ili SB06 (0-1')_20260309	SB06 (0-1')	Lead, Chromium
	3/9/2026 12:32	HN2603642-009	15871 ILIAD	15871 Ili SB08 (0-1')_20260309	SB08 (0-1')	Lead
	3/16/2026 14:52	HN2604244-005	2638 LIDDESDALE	2638 Lid SB02 (0-1')_20260316	SB02 (0-1')	Lead
	3/16/2026 11:39	HN2604243-003	11945 VISGER	11945 Vis SB12 (1-2')_20260316	SB12 (1-2')	Lead
	3/10/2026 9:47	HN2603747-001	4852 WOODHALL	4852 Woo SB02 (3-4')_20260310	SB02 (3-4')	Lead

Environmental Division
Holland
Work Order Reference
HN2605054



Telephone : +1 616 399 6070

[Handwritten signature]

3/31/26 0800

4.0°C 126



ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by: Kerru

Date/Time: 3/31/26 0800

Carrier Name: ALS

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): 4.0 / 4.0°C

Thermometer(s): 126

Sample(s) received on ice? Yes / No

Matrix/Matrices: Soil

Cooler(s)/Kit(s): _____

Date/Time sample(s) sent to storage: 3/31/26 1200

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:

STORED IN LTS FRIDGE

REPORT QUALIFIERS AND DEFINITIONS

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

LABORATORY CERTIFICATIONS¹

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

1 – Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding

Work Order: HN2605054

Sample Name: 3999 SB01 (1-2')_20260211
Laboratory Code: HN2605054-001
Sample Matrix: SOIL

Date Collected: 02/11/26
Date Received: 03/31/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AC	2528976	Chloe Patrick	4003656	Hunter Johnson

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL

Work Order: HN2605054
Date Collected: 02/11/26 10:09
Date Received: 03/31/26 08:00

CLIENT ID: 3999 SB01 (1-2')_20260211 **Lab ID:** HN2605054-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Lead	EPA 6020B	<0.00220	U	mg/L	0.0499	1	04/08/26 13:11	04/08/26 10:26

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2528976

Work Order: HN2605054
Date Collected: NA
Date Received: NA
Run ID: 4003656

TCLP Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2528976-001
-----------	--------------------------------	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:50
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	<0.00220	mg/L	0.0499							U

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2528976-002
------------	---	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:52
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	0.965	mg/L	0.0499	1		96.5	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2528976-004
-----------	----------------------------	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:55
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	0.970	mg/L	0.0499	1	0.00238	96.7	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2528976-005
------------	----------------------------	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:57
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	0.944	mg/L	0.0499	1	0.00238	94.1	75-125	2.73	20	

The following samples were analyzed in this batch: HN2605054-001



right solutions.
right partner.

April 08, 2026

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

Re: **3999 Harding**

Date Received: **03/31/2026**

Work Order: **HN2605054**

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: 3999 Harding

Work Order: HN2605054
Date Received: 31-Mar-2026

CASE NARRATIVE

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

Sample Receipt

1 soil sample was received for analysis at ALS Environmental on 31-Mar-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Workorder: HN2605054

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2605054-001	3999 SB01 (1-2')_20260211	SOIL	02/11/26 10:09	03/31/26 08:00

	Sample Date & Time	Original Sample	Site	Full Sample ID	Sample ID	TCLP:
	2/3/2026 12:57	HN2601568-002	12643 Barlow	12643 SB03 (5-6')_20260203	SB03 (5-6')	Lead
	2/10/2026 12:45	HN2601991-003	12243 Flanders	12243 SB03 (3-4')_20260210	SB03 (3-4')	Lead
	2/4/2026 12:21	HN2601663-003	9161 Norcross	9161 SB03 (5-6')_20260204	SB03 (5-6')	Lead
	2/5/2026 12:09	HN2601730-002	3943 Marlborough	3943 SB02 (3-4')_20100205	SB02 (3-4')	Lead
	2/11/2026 10:09	HN2602078-001	3999 Harding	3999 SB01 (1-2')_20260211	SB01 (1-2')	Lead
	2/11/2026 12:38	HN2602081-003	2622 Lemay	2622 SB03 (5-6')_20260211	SB03 (5-6')	Lead
✓	2/13/2026 11:10	HN2602268-001	6315 Frontenac	6315 SB01 (3-4')_20260213	SB01 (3-4')	Lead
/	2/13/2026 12:05	HN2602267-002	7661 Sherwood	7661 SB02 (3-4')_20260213	SB02 (3-4')	Lead
	2/16/2026 10:55	HN2602334-001	2652 E Kirby	2652 SB01 (1-2')_20260216	SB01 (1-2')	Lead
	2/16/2026	HN2602337-004	6026 Vermont	6026 DUP-I_20260216	DUP-I	Lead
	2/16/2026 14:30	HN2602338-001	4652 18th St	4652 SB01 (1-2')_20260216	SB01 (1-2')	Lead
	2/17/2026 12:50	HN2602410-001	4551 25th St	4551 SB01 (1-2')_20260217	SB01 (1-2')	Lead
	2/17/2026 14:45	HN2602414-002	3736 Roosevelt	3736 SB02 (5-6')_20260217	SB02 (5-6')	Lead
	2/18/2026 8:55	HN2602488-002	3526 25th St	3526 SB02 (1-2')_20260218	SB02 (1-2')	Lead
	2/3/2026 9:06	HN2601590-002	317 Cavalry	317 SB02 (5-6')_20260203	SB02 (5-6')	Lead
	2/3/2026 13:43	HN2601589-001	4608 Burton	4608 SB01 (1-2')_20260203	SB01 (1-2')	Lead
	2/4/2026 13:55	HN2601654-002	7347 American	7347 SB02 (5-6')_20260204	SB02 (5-6')	Lead
	2/4/2026 14:32	HN2601655-001	7356 Wheeler	7356 SB01 (1-2')_20260204	SB01 (1-2')	Lead
	2/5/2026 9:05	HN2601758-001	8717 Dayton	8717 SB01 (1-2')_20260205	SB01 (1-2')	Lead
	2/5/2026 13:58	HN2601746-002	5452 24th St	5452 SB02 (3-4')_20260205	SB02 (3-4')	Lead
	2/6/2026 10:20	HN2601834-001	5243 Spokane	5243 SB01 (1-2')_20260206	SB01 (1-2')	Lead
	2/9/2026 15:15	HN2601890-001	3727 Rochester	3727 SB01 (1-2')_20260209	SB01 (1-2')	Lead
	2/10/2026 13:20	HN2601975-002	8815 American	8815 SB02 (3-4')_20260210	SB02 (3-4')	Chromium
	2/11/2026	HN2602071-004	8999 N Clarendon	8999 DUP-I_20260211	DUP-I	Lead
	2/12/2026	HN2602155-004	12316 Wisconsin	12316 DUP-I_20260212	DUP-I	Lead
	2/18/2026 9:27	HN2602502-002	12878 Robson	12878 SB02 (5-6')_20260218	SB02 (5-6')	Lead
	2/19/2026 13:14	HN2602689-001	14202 Wisconsin	14202 SB01 (5-6')_20260219	SB01 (5-6')	Lead
	2/20/2026 13:48	HN2602700-003	15496 Roselawn	15496 SB03 (1-2')_20260220 RO	SB03 (1-2')	Lead
	2/20/2026 14:10	HN2602707-003	15033 Parkside	15033 SB03 (1-2')_20260220	SB03 (1-2')	Lead
	2/26/2026 15:33	HN2602988-012	5673 28TH ST.	5673 28th SB12 (0-1')_20260226	SB12 (0-1')	Lead
	2/27/2026 12:08	HN2603081-001	8612 ALPINE	8612 Alp SB01 (1-2')_20260227	SB01 (1-2')	Lead
	2/27/2026 14:46	HN2603084-010	1493 ANNABELLE	1493 Ann SB09 (0-1')_20260227	SB09 (0-1')	Lead
	2/27/2026 14:47	HN2603086-010	12725 AUGUST	12725 Aug SB10 (0-1')_20260227	SB10 (0-1')	Lead
	3/4/2026 9:52	HN2603358-006	9624 BESSEMORE	9624 Bes SB04 (0-1')_20260304	SB04 (0-1')	Lead
	3/9/2026 12:27	HN2603642-008	15871 ILIAD	15871 Ili SB06 (0-1')_20260309	SB06 (0-1')	Lead, Chromium
	3/9/2026 12:32	HN2603642-009	15871 ILIAD	15871 Ili SB08 (0-1')_20260309	SB08 (0-1')	Lead
	3/16/2026 14:52	HN2604244-005	2638 LIDDESDALE	2638 Lid SB02 (0-1')_20260316	SB02 (0-1')	Lead
	3/16/2026 11:39	HN2604243-003	11945 VISGER	11945 Vis SB12 (1-2')_20260316	SB12 (1-2')	Lead
	3/10/2026 9:47	HN2603747-001	4852 WOODHALL	4852 Woo SB02 (3-4')_20260310	SB02 (3-4')	Lead

Environmental Division
Holland
Work Order Reference
HN2605054



Telephone : +1 616 399 6070

[Handwritten Signature]

3/31/26 0800

4.0°C 126



ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by: Kerru

Date/Time: 3/31/26 0800

Carrier Name: ALS

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): 4.0 / 4.0°C

Thermometer(s): 126

Sample(s) received on ice? Yes / No

Matrix/Matrices: Soil

Cooler(s)/Kit(s): _____

Date/Time sample(s) sent to storage: 3/31/26 1200

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:

STORED IN LTS FRIDGE

REPORT QUALIFIERS AND DEFINITIONS

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

LABORATORY CERTIFICATIONS¹

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

1 – Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding

Work Order: HN2605054

Sample Name: 3999 SB01 (1-2')_20260211
Laboratory Code: HN2605054-001
Sample Matrix: SOIL

Date Collected: 02/11/26
Date Received: 03/31/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AC	2528976	Chloe Patrick	4003656	Hunter Johnson

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL

Work Order: HN2605054
Date Collected: 02/11/26 10:09
Date Received: 03/31/26 08:00

CLIENT ID: 3999 SB01 (1-2')_20260211 **Lab ID:** HN2605054-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Lead	EPA 6020B	<0.00220	U	mg/L	0.0499	1	04/08/26 13:11	04/08/26 10:26

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 3999 Harding
Matrix: SOIL/SOLID
QC Lot: 2528976

Work Order: HN2605054
Date Collected: NA
Date Received: NA
Run ID: 4003656

TCLP Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2528976-001
-----------	--------------------------------	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:50
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	<0.00220	mg/L	0.0499							U

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2528976-002
------------	---	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:52
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	0.965	mg/L	0.0499	1		96.5	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2528976-004
-----------	----------------------------	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:55
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	0.970	mg/L	0.0499	1	0.00238	96.7	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2528976-005
------------	----------------------------	-------------------------------

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/08/26 12:57
Prep Date: 04/08/26 10:27

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	0.944	mg/L	0.0499	1	0.00238	94.1	75-125	2.73	20	

The following samples were analyzed in this batch: HN2605054-001