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FILL MATERIAL SAMPLING REPORT

8192 WOODLAWN STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48213



FEBRUARY 24, 2026

PREPARED FOR:

THE CITY OF DETROIT DEMOLITION DEPARTMENT

1301 THIRD STREET, SUITE 606

DETROIT, MICHIGAN 48226



FILL MATERIAL SAMPLING REPORT

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DETROIT, WAYNE COUNTY, MICHIGAN 48213

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 8192 Woodlawn 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 8192 SB01, 8192 SB02, and 8192 SB03 generally consisted of gray and brown silty clay and gravelly sand 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 8192 SB01 and 8192 SB02.
- Concentrations of arsenic and chromium (Total) were detected in soil samples 8192 SB01 (1-2')_20260202, 8192 SB02 (3-4')_20260202, and/or 8192 SB03 (5-6')_20260202 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 2-butanone (MEK), 1-methylnaphthalene, 2-methylnaphthalene, 3 & 4-methylphenol, 1,2,4-trimethylbenzene, acetophenone, anthracene, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, bis(2-ethylhexyl) phthalate, chrysene, copper, cresols Total, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, lead, mercury, naphthalene, phenanthrene, pyrene, and zinc were detected in soil samples 8192 SB01 (1-2')_20260202, 8192 SB02 (3-4')_20260202, and/or 8192 SB03 (5-6')_20260202 at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- PCBs, pesticides, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface water exposure

pathway can be considered not applicable. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

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

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

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1.0 INTRODUCTION

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to conduct sampling and analysis of fill materials at the property commonly addressed as 8192 Woodlawn 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 2, 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 2, 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 8192 SB01, 8192 SB02, and 8192 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 8192 SB01 (1-2')_20260202, 8192 SB02 (3-4')_20260202, and/or 8192 SB03 (5-6')_20260202, 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 2, 2026.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 8192 SB01, 8192 SB02, and 8192 SB03 generally consisted of gray and brown silty clay and gravelly sand 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 8192 SB01 and 8192 SB02.

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 8192 SB01 (1-2')_20260202, 8192 SB02 (3-4')_20260202, and/or 8192 SB03 (5-6')_20260202, 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 (µg/kg ¹)	Maximum Detected Concentration (µg/kg)
Arsenic	7440-38-2	8192 SB01 (1-2)_20260202	GSIPC ² / 4,600	13,500
		8192 SB02 (3-4)_20260202	DWPC ³ / 4,600	
		8192 SB03 (5-6)_20260202	DCC ⁴ / 7,600	
Chromium (Total)	7440-47-3	8192 SB01 (1-2)_20260202 8192 SB03 (5-6)_20260202	GSIPC / 3,300	23,300

¹µg/kg – micrograms per kilogram;

²GSIPC – Groundwater Surface Water Interface Protection Criteria

³DWPC – Drinking Water Protection Criteria

⁴DCC – Direct Contact Criteria

4.3 Exposure Evaluation

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

Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

5.0 FINDINGS

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

- The stratigraphy encountered during soil boring advancement of 8192 SB01, 8192 SB02, and 8192 SB03 generally consisted of gray and brown silty clay and gravelly sand 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 8192 SB01 and 8192 SB02.
- Concentrations of arsenic and chromium (Total) were detected in soil samples 8192 SB01 (1-2')_20260202, 8192 SB02 (3-4')_20260202, and/or 8192 SB03 (5-6')_20260202 in excess of Part 201 GSIPC, DWPC, and/or DCC.
- Concentrations of 2-butanone (MEK), 1-methylnaphthalene, 2-methylnaphthalene, 3 & 4-methylphenol, 1,2,4-trimethylbenzene, acetophenone, anthracene, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, bis(2-ethylhexyl) phthalate, chrysene, copper, cresols Total, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, lead, mercury, naphthalene, phenanthrene, pyrene, and zinc were detected in soil samples 8192 SB01 (1-2')_20260202, 8192 SB02 (3-4')_20260202, and/or 8192 SB03 (5-6')_20260202 at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- PCBs, pesticides, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface water exposure pathway can be considered not applicable. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

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

MSG warrants that no substantive information or documentation was deleted, omitted, or changed that would otherwise cause the MSG to reach a different conclusion. Furthermore, MSG understands that the COD and its agencies and

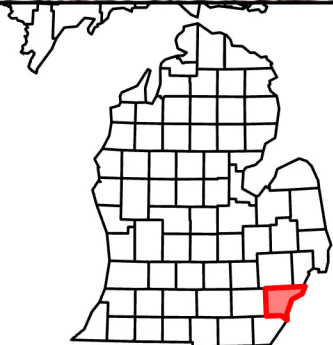
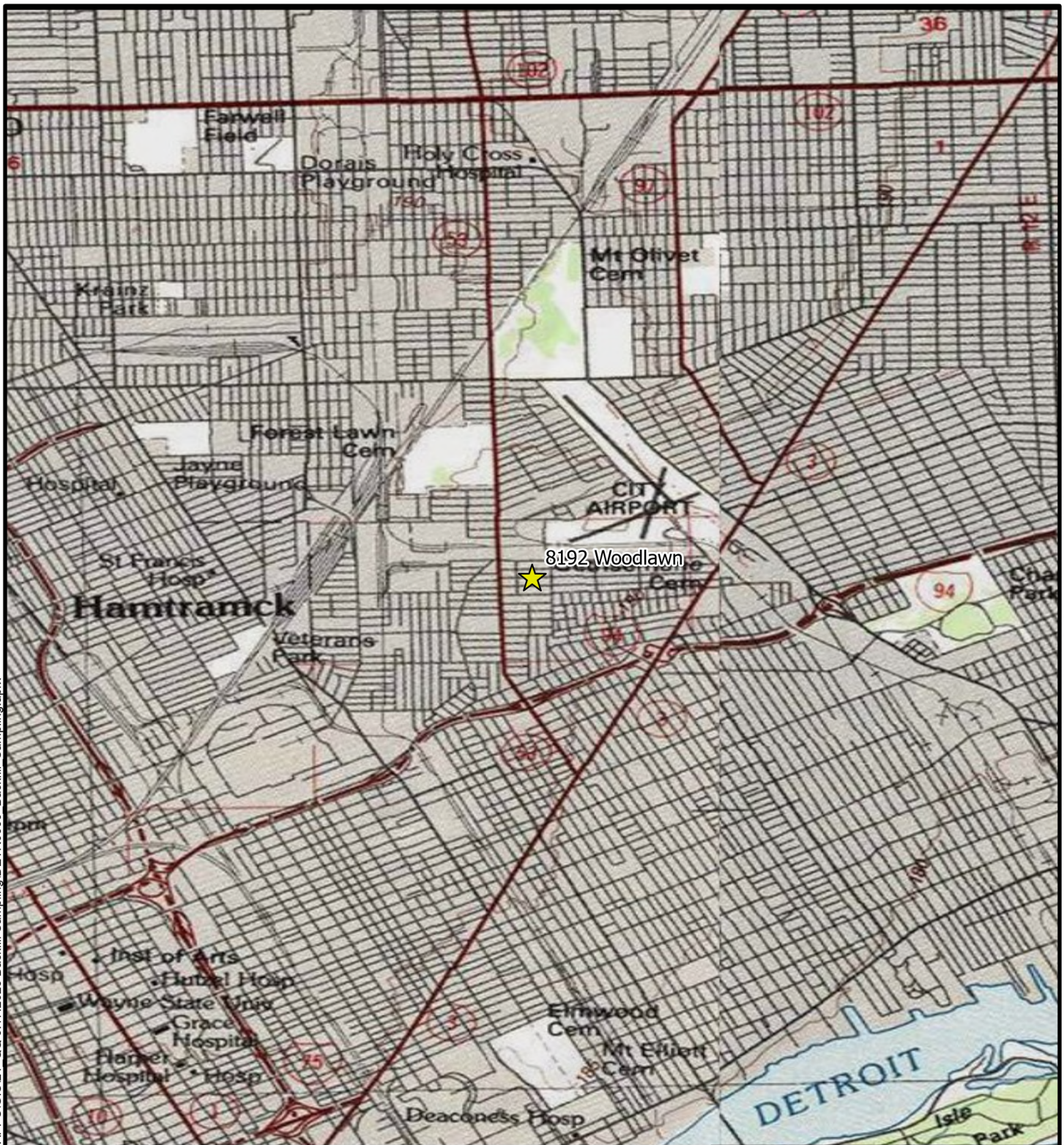
authorities may rely upon the overall completeness, accuracy, and conclusions in this report and hereby provides reliance on the contents presented herein.

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FIGURES



Date Saved: 1/8/2026 11:31 AM Coordinate System: GCS WGS 1984
Path: W:\Projects\Projects A-E\DETROIT\ENG\PPS\GIS\21_QQ 6.17.2025 Backfill Sampling\DETRO060 Backfill Sampling.aprx



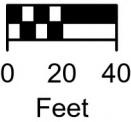
★ Site Location



FIGURE 1
SITE LOCATION

8192 Woodlawn, Detroit, MI

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

8192 Woodlawn, Detroit, MI

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



Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
8192 Woodlawn, 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						
			Chloride	Arsenic (B)	Barium (B)	Chromium, Total (B)	Copper (B)	Lead (B)	Mercury (B)	Zinc (B)
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
Units			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
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
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
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NC	NLV	NLV	NC	NLV	NLV	48,000	NC
Soil Volatilization to Indoor Air Pathway (SVIAP)			NC	NC	NC	NC	NC	NC	22 ^(M)	NC
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NC	NLV	NLV	NC	NLV	NLV	52,000	NC
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NC	NLV	NLV	NC	NLV	NLV	52,000	NC
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NC	NLV	NLV	NC	NLV	NLV	52,000	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
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
Soil Saturation Concentration Screening Levels (Csat)			NC	NA	NA	NC	NA	NA	NA	NC
Sample ID	Sample Depth (ft)	Sample Date								
8192 SB01	1.0 - 2.0	02/02/2026	18,100	12,600	127,000	18,200	20,600	33,400	49.6	68,100
8192 SB02	3.0 - 4.0	02/02/2026	28,400	7,890	80,600	15,400	20,100	15,200	71.1	57,900
8192 SB03	5.0 - 6.0	02/02/2026	<4,210	13,500	113,000	23,300	22,800	26,800	70.1	82,200

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
8192 Woodlawn, 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)																		Volatile Organic Compounds (VOCs)		
			1-Methylnaphthalene	2-Methylnaphthalene	3 & 4-Methylphenol	Acetophenone	Anthracene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Bis(2-ethylhexyl) phthalate	Chrysene	Cresols, Total	Fluoranthene	Fluorene	Indeno(1,2,3-Cd)Pyrene	Naphthalene	Phenanthrene	Pyrene	1,2,4-Trimethylbenzene	2-Butanone (MEK)
CAS Number			90-12-0	91-57-6	65794-96-9	98-86-2	120-12-7	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	117-81-7	218-01-9	1319-77-3	206-44-0	86-73-7	193-39-5	91-20-3	85-01-8	129-00-0	95-63-6	78-93-3
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	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	NC
Drinking Water Protection Criteria (DWPC)			NC	57,000	NC	30,000	41,000	NLL	NLL	NLL	NLL	NLL	NLL	NLL	7,400	7.30E+05	3.90E+05	NLL	35,000	56,000	4.80E+05	2,100	2.60E+05
Groundwater Surface Water Interface Protection Criteria (GSIIPC)			NC	4,200	NC	ID	ID	NLL	NLL	NLL	NLL	NLL	NLL	NLL	1000 ^(M,600)	5,500	5,300	NLL	730	2,100	ID	570	44,000
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NC	2.70E+06	NC	1.20E+08	1.00E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	1.00E+09	5.80E+08	NLV	2.50E+05	2.80E+06	1.00E+09	4.30E+06	5.40E+07
Soil Volatilization to Indoor Air Pathway (SVIAP)			NC	1,700	NC	6.20E+05	1.30E+07	1.60E+05 ^(M)	NC	NC	NC	NC	NC	NC	NC	NC	4.70E+05	NC	67 ^(M)	1,700	2.50E+07	150	31,000
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NC	1.50E+06	NC	4.40E+07	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08	2.10E+07	2.90E+07
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NC	1.50E+06	NC	4.40E+07	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08	5.00E+08	2.90E+07
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NC	1.50E+06	NC	4.40E+07	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08	5.00E+08	3.50E+07
Particulate Soil Inhalation Criteria (PSIC)			NC	6.70E+08	NC	3.30E+10	6.70E+10	ID	1.50E+06	ID	8.00E+08	ID	7.00E+08	ID	6.70E+09	9.30E+09	9.30E+09	ID	2.00E+08	6.70E+06	6.70E+09	8.20E+10	6.70E+10
Direct Contact Criteria (DCC)			NC	8.10E+06	NC	4.70E+07	2.30E+08	20,000	2,000	20,000	2.50E+06	2.00E+05	2.80E+06	2.00E+06	1.10E+07	4.60E+07	2.70E+07	20,000	1.60E+07	1.60E+06	2.90E+07	3.20E+07	1.20E+08
Soil Saturation Concentration Screening Levels (Csat)			NC	NA	NC	1.10E+06	NA	NA	NA	NA	NA	NA	1.00E+07	NA	NA	NA	NA	NA	NA	NA	NA	1.10E+05	2.70E+07
Sample ID	Sample Depth (ft)	Sample Date																					
8192 SB01	1.0 - 2.0	02/02/2026	<13.6	<9.59	<51.4	<14.8	<13.3	84.9	81.1	102	60.3	41.5	<78	92.4	<25.5	157	<13.7	69.8	<12.1	102	157	<28.4	<92.1 S
8192 SB02	3.0 - 4.0	02/02/2026	124	182	173	94.8	34.6	160	179	232	151	78.4	135	190	173	317	27.4	146	49.2	160	401	94.7	271
8192 SB03	5.0 - 6.0	02/02/2026	32	34	<54.5	<15.7	74	34	28	72	28	70	<82.7	54	<27	104	<14.5	30	<12.8	74	92	<32.7	<106

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

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

APPENDIX A

LIMITATIONS



LIMITATIONS

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

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

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

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

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

APPENDIX B

DAILY FIELD REPORT



**DAILY FIELD REPORT****Client:** City of Detroit Demolition Department**Project:** Sampling and Analysis of Fill Material**Report No.:** 1**Job No.:** DETR0060

Date: 02/02/2026	Day: Monday	Temp: 80° F	(AM)	N/A	(PM)
MSG Personnel: SRK, ZG, MW		Cloud Cover: 100%	(AM)	N/A	(PM)
		Precip.: N/A	(AM)	N/A	(PM)
Personnel: MSG					
MSG Hours On-Site: ~ 1 hours					

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

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:
0825 – SRK onsite (8192 Woodlawn Avenue) 0835 – MW and ZG onsite 0838 – Safety meeting. Unloaded and prepared equipment. 0906 – Began drilling SB01 0908 – Finished drilling SB01 0910 – Began drilling SB02 0912 – Finished drilling SB02 0915 – Began drilling SB03 0917 – Finished drilling SB03 0920 – Sampled 8192 SB01 (1-2')_20260202 0933 – Sampled 8192 SB02 (3-4')_20260202 0945 – Sampled 8192 SB03 (5-6')_20260202 0950 – Packed up equipment 0955 – MSG off site

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

APPENDIX C

INVESTIGATION PHOTOGRAPHS





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



Photo 2: View of drilling at 8192 SB01, facing southeast.



Photo 3: Viewing 8192 SB01 soil recovery, facing south.



Photo 4: View of drilling at 8192 SB02, facing southeast.



Photo 5: Viewing 8192 SB02 soil recovery, facing south.



Photo 6: View of drilling at 8192 SB03, facing southeast.



Photo 7: Viewing 8192 SB03 soil recovery, facing south.

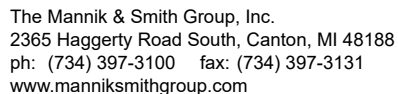


Photo 8: View of the Site post-drilling, facing south.

APPENDIX D

SOIL BORING LOGS





Sheet 1 of 1

REMARKS _____

▽ 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 NUMBER DETR0060_8192 Woodlawn
DATE STARTED 02-02-2026 **COMPLETED** 02-02-2026
DRILLING CONTRACTOR MSG
DRILLING METHOD Direct Push
EQUIPMENT Geoprobe 7822 DT **Operator** MW

PROJECT NAME Backfill Soil Sampling
PROJECT LOCATION 8192 Woodlawn, Detroit, MI
POSITION
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
LOGGED BY SRK **CHECKED BY** SCD
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
				Brown, Gravelly SAND, Some Clay, Dry	0	
				1.5 Gray, CLAY, Some Gravel, Dry	0	
				3.0 Gray and Brown Mottled, CLAY, Little Sand, Little Gravel, Dry	0	
				4.5 Brown, SAND, Some Gravel, Moist	0	
5				5.0 Gray and Brown Mottled, CLAY, Little Sand, Little Gravel, Moist	0	Collected Soil Sample 8192 SB03 (5-6') _20260202 at 0945
				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 09, 2026

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

Re: **8192 Woodlawn**

Date Received: **02/03/2026**

Work Order: **HN2601482**

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: 8192 Woodlawn

Work Order: HN2601482
Date Received: 03-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 03-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: HN2601482

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

Organics

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

Run ID: 3859188

Parent Sample HN2601482-001: QC-2439596-005 and -006: The MS/MSD recoveries were above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: see qc report 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 Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: acetone

QC-2439596-006: The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: bromomethane

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: dichlorodifluoromethane, chloromethane

Parent Sample HN2601482-001: QC-2439596-005 and -006: The MS/MSD recoveries were below the lower control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: see qc report below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: see qc report

Metals

EPA 6020B-3050B-S

Run ID: 3862347

Samples HN2601482-001 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: 8192 SB01 (1-2')_20260202	Lab ID: HN2601482-001
---	------------------------------

Analyte	Results	Flag	MRL	Units	Method
Arsenic	12.6		3.43	mg/kg	EPA 6020B
Barium	127		3.43	mg/kg	EPA 6020B
Benzo(a)anthracene	84.9		18.9	µg/kg	EPA 8270E
Benzo(a)pyrene	81.1		18.9	µg/kg	EPA 8270E
Benzo(b)fluoranthene	102		18.9	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	60.3		18.9	µg/kg	EPA 8270E
Benzo(k)fluoranthene	41.5		18.9	µg/kg	EPA 8270E
Chloride	18.1		12.6	mg/kg	EPA 9056A
Chromium	18.2		3.43	mg/kg	EPA 6020B
Chrysene	92.4		18.9	µg/kg	EPA 8270E
Copper	20.6		3.43	mg/kg	EPA 6020B
Fluoranthene	157		18.9	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	69.8		18.9	µg/kg	EPA 8270E
Lead	33.4		3.43	mg/kg	EPA 6020B
Mercury	0.0496		0.0207	mg/kg	EPA 7471B
Percent Moisture	12.8		0.1	%	EPA 3550C
Phenanthrene	102		18.9	µg/kg	EPA 8270E
Pyrene	157		18.9	µg/kg	EPA 8270E
Zinc	68.1		6.85	mg/kg	EPA 6020B

CLIENT ID: 8192 SB02 (3-4')_20260202	Lab ID: HN2601482-002
---	------------------------------

Analyte	Results	Flag	MRL	Units	Method
1,2,4-Trimethylbenzene	94.7		39.5	µg/kg	EPA 8260D
1-Methylnaphthalene	124		18.2	µg/kg	EPA 8270E
2-Butanone (Methyl ethyl ketone, MEK)	271		263	µg/kg	EPA 8260D
2-Methylnaphthalene	182		18.2	µg/kg	EPA 8270E
3&4-Methylphenol	173		90.3	µg/kg	EPA 8270E
Acetophenone	94.8		90.3	µg/kg	EPA 8270E
Anthracene	34.6		18.2	µg/kg	EPA 8270E
Arsenic	7.89		3.23	mg/kg	EPA 6020B
Barium	80.6		3.23	mg/kg	EPA 6020B
Benzo(a)anthracene	160		18.2	µg/kg	EPA 8270E
Benzo(a)pyrene	179		18.2	µg/kg	EPA 8270E
Benzo(b)fluoranthene	232		18.2	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	151		18.2	µg/kg	EPA 8270E
Benzo(k)fluoranthene	78.4		18.2	µg/kg	EPA 8270E
Chloride	28.4		11.6	mg/kg	EPA 9056A
Chromium	15.4		3.23	mg/kg	EPA 6020B
Chrysene	190		18.2	µg/kg	EPA 8270E
Copper	20.1		3.23	mg/kg	EPA 6020B

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: 8192 SB02 (3-4')_20260202	Lab ID: HN2601482-002
---	------------------------------

Analyte	Results	Flag	MRL	Units	Method
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	135		90.3	µg/kg	EPA 8270E
Fluoranthene	317		18.2	µg/kg	EPA 8270E
Fluorene	27.4		18.2	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	146		18.2	µg/kg	EPA 8270E
Lead	15.2		3.23	mg/kg	EPA 6020B
Mercury	0.0711		0.0200	mg/kg	EPA 7471B
Methylphenol, Total	173		90.3	µg/kg	EPA 8270E
Naphthalene	49.2		18.2	µg/kg	EPA 8270E
Percent Moisture	14.5		0.1	%	EPA 3550C
Phenanthrene	160		18.2	µg/kg	EPA 8270E
Pyrene	401		18.2	µg/kg	EPA 8270E
Zinc	57.9		6.47	mg/kg	EPA 6020B

CLIENT ID: 8192 SB03 (5-6')_20260202	Lab ID: HN2601482-003
---	------------------------------

Analyte	Results	Flag	MRL	Units	Method
1-Methylnaphthalene	32.0		20.0	µg/kg	EPA 8270E
2-Methylnaphthalene	34.0		20.0	µg/kg	EPA 8270E
Anthracene	74.0		20.0	µg/kg	EPA 8270E
Arsenic	13.5		3.69	mg/kg	EPA 6020B
Barium	113		3.69	mg/kg	EPA 6020B
Benzo(a)anthracene	34.0		20.0	µg/kg	EPA 8270E
Benzo(a)pyrene	28.0		20.0	µg/kg	EPA 8270E
Benzo(b)fluoranthene	72.0		20.0	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	28.0		20.0	µg/kg	EPA 8270E
Benzo(k)fluoranthene	70.0		20.0	µg/kg	EPA 8270E
Chromium	23.3		3.69	mg/kg	EPA 6020B
Chrysene	54.0		20.0	µg/kg	EPA 8270E
Copper	22.8		3.69	mg/kg	EPA 6020B
Fluoranthene	104		20.0	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	30.0		20.0	µg/kg	EPA 8270E
Lead	26.8		3.69	mg/kg	EPA 6020B
Mercury	0.0701		0.0233	mg/kg	EPA 7471B
Percent Moisture	19.3		0.1	%	EPA 3550C
Phenanthrene	74.0		20.0	µg/kg	EPA 8270E
Pyrene	92.0		20.0	µg/kg	EPA 8270E
Zinc	82.2		7.37	mg/kg	EPA 6020B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Workorder: HN2601482

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2601482-001	8192 SB01 (1-2')_20260202	SOIL/SOLID	02/02/26 09:20	02/03/26 06:00
HN2601482-002	8192 SB02 (3-4')_20260202	SOIL/SOLID	02/02/26 09:33	02/03/26 06:00
HN2601482-003	8192 SB03 (5-6')_20260202	SOIL/SOLID	02/02/26 09:45	02/03/26 06:00

Chain of Custody Form

Page 1 of 1



Telephone : +1 616.399.6020

ALS Project Manager:							Work Order #:										
Project Information							Parameter/Method Request for Analysis										
Project Name		8192 Woodlawn					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)								
Send Report To		Ryan Montri and Olivia Mitchell					D		MI 10 Metals (U.S. EPA 6000/7000 Series Methods)								
Address		2365 South Haggerty Road					E		Chlorides (U.S. EPA Method 9056A)								
							F		Pesticides (U.S. EPA Method 8081B (or Method 8081))								
City/State/Zip		Canton, MI 48188					G		Herbicides (U.S. EPA Method 8151A (or Method 8151))								
Phone		734-397-3100					H										
Fax							I										
e-Mail Address		rmontri@manniksmithgroup.com					J										
		omitchell@manniksmithgroup.com															
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8192 SB01 (1-2')_20260202	2/2/26	09:20	Soil	7	3	✓	✓	✓	✓	✓	✓	✓				
2	8192 SB02 (3-4')_20260202	2/2/26	09:33	Soil	7	3	✓	✓	✓	✓	✓	✓	✓				
3	8192 SB03 (5-6')_20260202	2/2/26	09:45	Soil	7	3	✓	✓	✓	✓	✓	✓	✓				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
Sampler(s): Please Print & Sign		Shipment Method:		Required Turnaround Time:				Other				Results Due Date:					
Shannon Kaczmarek				☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour													
Relinquished by:		Date:	Time:	Received by:		Notes:											
Shannon Kaczmarek		2/2/26	1548	[Signature]		Rec'd 2/3/26 0600 Q2QL											
Relinquished by:		Date:	Time:	Received by (Laboratory):		Cooler Temp.		QC Package: (Check Box Below)									
[Signature]		2/2/26	1700	[Signature]		12.6 2.6 °C		☐ Level II: Standard QC		☐ TRRP-Checklist							
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):				☐ Level III: Std QC + Raw Data		☐ TRRP Level IV							
DFS		2/3/26	0730					☐ Level IV: SW846 CLP-Like									
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035																	
Other: _____																	

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Please click the link below for detailed Terms & Conditions:

<https://www.alsglobal.com/ALSGroupUSACorpTC>

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ALS Holland

3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by:

Diane F. Shaw

Date/Time:

2/3/26 0600

Carrier Name:

QS

Shipping container/cooler in good condition?

☒ Yes / No / Not Present

Custody seals intact on shipping container/cooler?

Yes / No / ☒ Not Present

Custody seals intact on sample bottles?

Yes / No / ☒ Not Present

Chain of Custody present?

☒ Yes / No

COC signed when relinquished and received?

☒ Yes / No

COC agrees with sample labels?

☒ Yes / No

Samples in proper container/bottle?

☒ Yes / No

Sample containers intact?

☒ Yes / No

Sufficient sample volume for indicated test?

☒ Yes / No

All samples received within holding time?

☒ Yes / No

Container/Temp Blank temperature in compliance?

☒ Yes / No

Temperature(s) (°C):

2.6 / 2.6 °C

Thermometer(s):

IR6

Sample(s) received on ice?

☒ Yes / No

Matrix/Matrices:

Solid

Cooler(s)/Kit(s):

1

Date/Time sample(s) sent to storage:

2/3/26 0800

Water – VOA vials have zero headspace?

Yes / No ☒ No Vials

Water – pH acceptable upon receipt?

Yes / No ☒ N/A

pH strip lot #:

< 2

> 12

Other

pH adjusted (note adjustments below)?

Yes / No ☒ N/A

pH adjusted by:

Login Notes:

REPORT QUALIFIERS AND DEFINITIONS

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

LABORATORY 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: 8192 Woodlawn

Work Order: HN2601482

Sample Name: 8192 SB01 (1-2')_20260202
Laboratory Code: HN2601482-001
Sample Matrix: SOIL/SOLID

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

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AC	2441114		3860037	Nicole Maleski
EPA 6020B	EPA 3050B	001-AC	2442247	Weston Kotecki	3862347	Hunter Johnson
EPA 7471B	Method	001-AC	2440509	Maxx Richey	3861839	Maxx Richey
EPA 8081B	EPA 3546	001-AC	2438894	Rachel Plantinga	3859489	Nathaniel Dietlin
EPA 8082A	EPA 3546	001-AC	2438892	Rachel Plantinga	3859330	Nathaniel Dietlin
EPA 8151A	Method	001-AC	2438897	Willow Julien	3859535	Kathy Malmyga
EPA 8260D	EPA 5035A	001-AA	2439596	Nathan Jenkins	3859188	Nathan Jenkins
EPA 8270E	EPA 3546	001-AC	2438891	Mya Harmer	3862010	Sam Bruzan
EPA 9056A	EPA 9056A	001-AC	2439031	Kelsey Beaudette	3861166	Sage Hansen

Sample Name: 8192 SB02 (3-4')_20260202
Laboratory Code: HN2601482-002
Sample Matrix: SOIL/SOLID

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

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		002-AC	2438992		3856738	Nicole Maleski
EPA 6020B	EPA 3050B	002-AC	2442247	Weston Kotecki	3862347	Hunter Johnson
EPA 7471B	Method	002-AC	2440509	Maxx Richey	3861839	Maxx Richey
EPA 8081B	EPA 3546	002-AC	2438894	Rachel Plantinga	3859489	Nathaniel Dietlin
EPA 8082A	EPA 3546	002-AC	2438892	Rachel Plantinga	3859330	Nathaniel Dietlin
EPA 8151A	Method	002-AC	2438897	Willow Julien	3859535	Kathy Malmyga
EPA 8260D	EPA 5035A	002-AA	2439596	Nathan Jenkins	3859188	Nathan Jenkins
EPA 8270E	EPA 3546	002-AC	2438891	Mya Harmer	3862010	Sam Bruzan
EPA 9056A	EPA 9056A	002-AC	2439031	Kelsey Beaudette	3861166	Sage Hansen

Sample Name: 8192 SB03 (5-6')_20260202
Laboratory Code: HN2601482-003
Sample Matrix: SOIL/SOLID

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

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		003-AC	2438992		3856738	Nicole Maleski

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn

Work Order: HN2601482

Sample Name: 8192 SB03 (5-6')_20260202
Laboratory Code: HN2601482-003
Sample Matrix: SOIL/SOLID

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

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3050B	003-AC	2442247	Weston Kotecki	3862347	Hunter Johnson
EPA 7471B	Method	003-AC	2440509	Maxx Richey	3861839	Maxx Richey
EPA 8081B	EPA 3546	003-AC	2438894	Rachel Plantinga	3859489	Nathaniel Dietlin
EPA 8082A	EPA 3546	003-AC	2438892	Rachel Plantinga	3859330	Nathaniel Dietlin
EPA 8151A	Method	003-AC	2438897	Willow Julien	3859535	Kathy Malmyga
EPA 8260D	EPA 5035A	003-AA	2439596	Nathan Jenkins	3859188	Nathan Jenkins
EPA 8270E	EPA 3546	003-AC	2438891	Mya Harmer	3862010	Sam Bruzan
EPA 9056A	EPA 9056A	003-AC	2439031	Kelsey Beaudette	3861166	Sage Hansen

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.52	U	µg/kg	13.7	1	02/04/26 19:10	02/03/26 08:25
2,4,5-TP (Silvex)	EPA 8151A	<4.49	U	µg/kg	13.7	1	02/04/26 19:10	02/03/26 08:25
2,4-D	EPA 8151A	<7.30	U	µg/kg	27.4	1	02/04/26 19:10	02/03/26 08:25
Surr: DCAA	EPA 8151A	76.0		%REC	10-116	1	02/04/26 19:10	02/03/26 08:25
General Chemistry Parameters								
Percent Moisture	EPA 3550C	12.8		%	0.1	1	02/04/26 13:51	NA
Chloride	EPA 9056A	18.1		mg/kg	12.6	1	02/05/26 00:14	02/03/26 13:57
Metals								
Arsenic	EPA 6020B	12.6		mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Barium	EPA 6020B	127		mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Cadmium	EPA 6020B	<0.206	U	mg/kg	1.37	10	02/05/26 17:22	02/05/26 08:27
Chromium	EPA 6020B	18.2		mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Copper	EPA 6020B	20.6		mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Lead	EPA 6020B	33.4		mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Selenium	EPA 6020B	<3.15	U	mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Silver	EPA 6020B	<0.452	U	mg/kg	3.43	10	02/05/26 17:22	02/05/26 08:27
Zinc	EPA 6020B	68.1		mg/kg	6.85	10	02/05/26 17:22	02/05/26 08:27
Mercury	EPA 7471B	0.0496		mg/kg	0.0207	1	02/05/26 09:44	02/04/26 13:30
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<13.2	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
4,4'-DDE	EPA 8081B	<13.6	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
4,4'-DDT	EPA 8081B	<13.7	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Aldrin	EPA 8081B	<13.4	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
alpha-BHC	EPA 8081B	<13.6	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
beta-BHC	EPA 8081B	<13.5	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Chlordane, Technical	EPA 8081B	<20.5	U	µg/kg	51.6	1	02/03/26 19:49	02/03/26 09:55
cis-Chlordane	EPA 8081B	<13.8	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
delta-BHC	EPA 8081B	<13.5	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Dieldrin	EPA 8081B	<14.4	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<13.9	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Endosulfan II	EPA 8081B	<13.7	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Endosulfan sulfate	EPA 8081B	<12.7	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Endrin	EPA 8081B	<16.7	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Endrin aldehyde	EPA 8081B	<13.1	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Endrin ketone	EPA 8081B	<12.6	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
gamma-BHC (Lindane)	EPA 8081B	<13.5	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Heptachlor	EPA 8081B	<13.3	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Heptachlor epoxide	EPA 8081B	<13.6	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Methoxychlor	EPA 8081B	<13.8	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
Toxaphene	EPA 8081B	<22.3	U	µg/kg	124	1	02/03/26 19:49	02/03/26 09:55
trans-Chlordane	EPA 8081B	<13.7	U	µg/kg	20.6	1	02/03/26 19:49	02/03/26 09:55
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	95.0		%REC	53-151	1	02/03/26 19:49	02/03/26 09:55
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	81.5		%REC	67-127	1	02/03/26 19:49	02/03/26 09:55

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<47.2	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1221	EPA 8082A	<47.2	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1232	EPA 8082A	<47.2	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1242	EPA 8082A	<47.2	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1248	EPA 8082A	<47.2	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1254	EPA 8082A	<38.4	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1260	EPA 8082A	<38.4	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1262	EPA 8082A	<38.4	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Aroclor 1268	EPA 8082A	<38.4	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
Total PCB	EPA 8082A	<38.4	U	µg/kg	138	1	02/03/26 20:20	02/03/26 09:12
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	105		%REC	54-146	1	02/03/26 20:20	02/03/26 09:12
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	82.8		%REC	58-140	1	02/03/26 20:20	02/03/26 09:12

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<15.3	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<21.7	U	µg/kg	942	1	02/04/26 19:46	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<67.6	U	µg/kg	471	1	02/04/26 19:46	02/03/26 08:54
1-Methylnaphthalene	EPA 8270E	<13.6	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<22.1	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2,3,4,6-Tetrachlorophenol	EPA 8270E	<69.0	U	µg/kg	189	1	02/04/26 19:46	02/03/26 08:54
2,4,5-Trichlorophenol	EPA 8270E	<55.9	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2,4,6-Trichlorophenol	EPA 8270E	<25.1	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2,4-Dichlorophenol	EPA 8270E	<50.7	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2,4-Dimethylphenol	EPA 8270E	<48.5	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2,4-Dinitrophenol	EPA 8270E	<689	U	µg/kg	942	1	02/04/26 19:46	02/03/26 08:54
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<61.2	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<24.1	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2-Chloronaphthalene	EPA 8270E	<13.2	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
2-Chlorophenol	EPA 8270E	<61.7	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<78.8	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2-Methylnaphthalene	EPA 8270E	<9.59	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
2-Methylphenol (o-Cresol)	EPA 8270E	<25.5	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2-Nitroaniline	EPA 8270E	<52.4	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
2-Nitrophenol	EPA 8270E	<26.9	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
3&4-Methylphenol	EPA 8270E	<51.4	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
3,3'-Dichlorobenzidine	EPA 8270E	<44.0	U	µg/kg	471	1	02/04/26 19:46	02/03/26 08:54
3-Nitroaniline	EPA 8270E	<54.7	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<51.7	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
4-Chloro-3-methylphenol	EPA 8270E	<26.9	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
4-Chloroaniline	EPA 8270E	<47.9	U	µg/kg	189	1	02/04/26 19:46	02/03/26 08:54
4-Chlorophenyl phenylether	EPA 8270E	<26.1	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
4-Nitroaniline	EPA 8270E	<146	U	µg/kg	471	1	02/04/26 19:46	02/03/26 08:54
4-Nitrophenol	EPA 8270E	<221	U	µg/kg	942	1	02/04/26 19:46	02/03/26 08:54
Acenaphthene	EPA 8270E	<13.6	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<16.4	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Acetophenone	EPA 8270E	<14.8	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Anthracene	EPA 8270E	<13.3	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Atrazine	EPA 8270E	<55.2	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Benzaldehyde	EPA 8270E	<145	U	µg/kg	189	1	02/04/26 19:46	02/03/26 08:54
Benzo(a)anthracene	EPA 8270E	84.9		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Benzo(a)pyrene	EPA 8270E	81.1		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Benzo(b)fluoranthene	EPA 8270E	102		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Benzo(g,h,i)perylene	EPA 8270E	60.3		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Benzo(k)fluoranthene	EPA 8270E	41.5		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
bis(2-Chloroethoxy) methane	EPA 8270E	<59.7	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
bis(2-Chloroethyl) ether	EPA 8270E	<26.7	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Butyl benzyl phthalate	EPA 8270E	<118	U	µg/kg	189	1	02/04/26 19:46	02/03/26 08:54
Caprolactam	EPA 8270E	<85.1	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Carbazole	EPA 8270E	<27.8	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Chrysene	EPA 8270E	92.4		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<78.0	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Dibenz(a,h) anthracene	EPA 8270E	<10.2	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Dibenzofuran	EPA 8270E	<13.9	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Diethyl phthalate	EPA 8270E	<32.1	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Dimethyl phthalate	EPA 8270E	<18.4	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Fluoranthene	EPA 8270E	157		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Fluorene	EPA 8270E	<13.7	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Hexachlorobenzene	EPA 8270E	<27.4	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Hexachlorobutadiene	EPA 8270E	<22.2	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Hexachlorocyclopentadiene	EPA 8270E	<89.4	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Hexachloroethane	EPA 8270E	<39.0	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Indeno(1,2,3-cd) pyrene	EPA 8270E	69.8		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Isophorone	EPA 8270E	<18.4	U	µg/kg	471	1	02/04/26 19:46	02/03/26 08:54
Methylphenol, Total	EPA 8270E	<25.5	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	<12.1	U	µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Nitrobenzene	EPA 8270E	<31.7	U	µg/kg	471	1	02/04/26 19:46	02/03/26 08:54
n-Nitrosodi-n-propylamine	EPA 8270E	<15.6	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
N-Nitrosodiphenylamine	EPA 8270E	<54.6	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Pentachlorophenol	EPA 8270E	<74.9	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Phenanthrene	EPA 8270E	102		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Phenol	EPA 8270E	<47.4	U	µg/kg	93.3	1	02/04/26 19:46	02/03/26 08:54
Pyrene	EPA 8270E	157		µg/kg	18.9	1	02/04/26 19:46	02/03/26 08:54
Pyridine	EPA 8270E	<186	U	µg/kg	471	1	02/04/26 19:46	02/03/26 08:54
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	76.0		%REC	48-94	1	02/04/26 19:46	02/03/26 08:54
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	76.3		%REC	50-103	1	02/04/26 19:46	02/03/26 08:54
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	78.7		%REC	43-105	1	02/04/26 19:46	02/03/26 08:54
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	89.9		%REC	55-111	1	02/04/26 19:46	02/03/26 08:54
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	88.7		%REC	47-100	1	02/04/26 19:46	02/03/26 08:54
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	80.5		%REC	49-110	1	02/04/26 19:46	02/03/26 08:54

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<17.6	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,1,2,2-Tetrachloroethane	EPA 8260D	<17.1	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<24.5	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,1,2-Trichloroethane	EPA 8260D	<16.4	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,1-Dichloroethane	EPA 8260D	<14.1	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,1-Dichloroethylene	EPA 8260D	<12.5	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,2,3-Trichlorobenzene	EPA 8260D	<46.4	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
1,2,3-Trichloropropane	EPA 8260D	<16.2	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,2,4-Trichlorobenzene	EPA 8260D	<43.9	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
1,2,4-Trimethylbenzene	EPA 8260D	<28.4	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<35.6	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<22.8	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<14.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<22.8	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
1,2-Dichloropropane	EPA 8260D	<28.5	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,3,5-Trimethylbenzene	EPA 8260D	<27.3	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<26.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
1,3-Dichloropropene	EPA 8260D	<21.6	U	µg/kg	77.4	1	02/04/26 09:27	02/03/26 13:00
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<31.4	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<92.1	SU	µg/kg	258	1	02/04/26 09:27	02/03/26 13:00
2-Hexanone	EPA 8260D	<19.2	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<36.1	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Acetone	EPA 8260D	<115	SU	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
Benzene	EPA 8260D	<18.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Bromochloromethane	EPA 8260D	<19.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Bromodichloromethane	EPA 8260D	<21.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Bromoform	EPA 8260D	<16.3	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Carbon disulfide	EPA 8260D	<20.0	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Carbon tetrachloride	EPA 8260D	<15.1	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Chlorobenzene	EPA 8260D	<12.8	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Chlorodibromomethane	EPA 8260D	<21.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Chloroethane (Ethyl chloride)	EPA 8260D	<108	SU	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
Chloroform	EPA 8260D	<14.2	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
cis-1,2-Dichloroethylene	EPA 8260D	<24.9	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
cis-1,3-Dichloropropene	EPA 8260D	<29.2	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Cyclohexane	EPA 8260D	<29.6	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<46.8	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
Ethylbenzene	EPA 8260D	<27.5	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Isopropylbenzene	EPA 8260D	<24.4	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
m+p-Xylene	EPA 8260D	<51.6	U	µg/kg	77.4	1	02/04/26 09:27	02/03/26 13:00
Methyl acetate	EPA 8260D	<46.3	SU	µg/kg	322	1	02/04/26 09:27	02/03/26 13:00
Methyl bromide (Bromomethane)	EPA 8260D	<74.0	SU	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB01 (1-2')_20260202

Lab ID: HN2601482-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<106	U	µg/kg	129	1	02/04/26 09:27	02/03/26 13:00
Methyl tert-butyl ether (MTBE)	EPA 8260D	<28.2	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Methylcyclohexane	EPA 8260D	<14.8	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Methylene chloride (Dichloromethane)	EPA 8260D	<103	U	µg/kg	322	1	02/04/26 09:27	02/03/26 13:00
o-Xylene	EPA 8260D	<15.0	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Styrene	EPA 8260D	<15.3	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<23.3	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Toluene	EPA 8260D	<31.9	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Total Xylene	EPA 8260D	<15.0	U	µg/kg	116	1	02/04/26 09:27	02/03/26 13:00
trans-1,2-Dichloroethylene	EPA 8260D	<31.9	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
trans-1,3-Dichloropropylene	EPA 8260D	<21.6	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Trichloroethene (Trichloroethylene)	EPA 8260D	<17.4	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<19.8	SU	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
Vinyl chloride (Chloroethene)	EPA 8260D	<25.7	U	µg/kg	38.7	1	02/04/26 09:27	02/03/26 13:00
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	118		%REC	80-120	1	02/04/26 09:27	02/03/26 13:00
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	97.8		%REC	80-120	1	02/04/26 09:27	02/03/26 13:00
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	107		%REC	72-120	1	02/04/26 09:27	02/03/26 13:00
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	97.8		%REC	80-120	1	02/04/26 09:27	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

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	02/04/26 19:23	02/03/26 08:25
2,4,5-TP (Silvex)	EPA 8151A	<4.47	U	µg/kg	13.6	1	02/04/26 19:23	02/03/26 08:25
2,4-D	EPA 8151A	<7.28	U	µg/kg	27.3	1	02/04/26 19:23	02/03/26 08:25
Surr: DCAA	EPA 8151A	86.0		%REC	10-116	1	02/04/26 19:23	02/03/26 08:25
General Chemistry Parameters								
Percent Moisture	EPA 3550C	14.5		%	0.1	1	02/03/26 10:29	NA
Chloride	EPA 9056A	28.4		mg/kg	11.6	1	02/05/26 00:22	02/03/26 13:57
Metals								
Arsenic	EPA 6020B	7.89		mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Barium	EPA 6020B	80.6		mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Cadmium	EPA 6020B	<0.194	U	mg/kg	1.29	10	02/05/26 17:24	02/05/26 08:27
Chromium	EPA 6020B	15.4		mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Copper	EPA 6020B	20.1		mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Lead	EPA 6020B	15.2		mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Selenium	EPA 6020B	<2.97	U	mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Silver	EPA 6020B	<0.427	U	mg/kg	3.23	10	02/05/26 17:24	02/05/26 08:27
Zinc	EPA 6020B	57.9		mg/kg	6.47	10	02/05/26 17:24	02/05/26 08:27
Mercury	EPA 7471B	0.0711		mg/kg	0.0200	1	02/05/26 09:46	02/04/26 13:30
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<13.3	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
4,4'-DDE	EPA 8081B	<13.7	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
4,4'-DDT	EPA 8081B	<13.9	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Aldrin	EPA 8081B	<13.6	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
alpha-BHC	EPA 8081B	<13.7	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
beta-BHC	EPA 8081B	<13.7	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Chlordane, Technical	EPA 8081B	<20.7	U	µg/kg	52.2	1	02/03/26 22:31	02/03/26 09:55
cis-Chlordane	EPA 8081B	<13.9	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
delta-BHC	EPA 8081B	<13.7	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Dieldrin	EPA 8081B	<14.6	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<14.0	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Endosulfan II	EPA 8081B	<13.8	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Endosulfan sulfate	EPA 8081B	<12.8	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Endrin	EPA 8081B	<16.9	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Endrin aldehyde	EPA 8081B	<13.2	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Endrin ketone	EPA 8081B	<12.7	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
gamma-BHC (Lindane)	EPA 8081B	<13.7	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Heptachlor	EPA 8081B	<13.5	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Heptachlor epoxide	EPA 8081B	<13.8	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Methoxychlor	EPA 8081B	<13.9	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
Toxaphene	EPA 8081B	<22.5	U	µg/kg	125	1	02/03/26 22:31	02/03/26 09:55
trans-Chlordane	EPA 8081B	<13.9	U	µg/kg	20.9	1	02/03/26 22:31	02/03/26 09:55
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	110		%REC	53-151	1	02/03/26 22:31	02/03/26 09:55
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	84.9		%REC	67-127	1	02/03/26 22:31	02/03/26 09:55

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<47.7	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1221	EPA 8082A	<47.7	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1232	EPA 8082A	<47.7	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1242	EPA 8082A	<47.7	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1248	EPA 8082A	<47.7	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1254	EPA 8082A	<38.8	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1260	EPA 8082A	<38.8	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1262	EPA 8082A	<38.8	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Aroclor 1268	EPA 8082A	<38.8	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
Total PCB	EPA 8082A	<38.8	U	µg/kg	139	1	02/03/26 20:31	02/03/26 09:12
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	129		%REC	54-146	1	02/03/26 20:31	02/03/26 09:12
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	91.4		%REC	58-140	1	02/03/26 20:31	02/03/26 09:12

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<14.8	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<21.0	U	µg/kg	911	1	02/04/26 20:15	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<65.4	U	µg/kg	456	1	02/04/26 20:15	02/03/26 08:54
1-Methylnaphthalene	EPA 8270E	124		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<21.4	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2,3,4,6-Tetrachlorophenol	EPA 8270E	<66.8	U	µg/kg	182	1	02/04/26 20:15	02/03/26 08:54
2,4,5-Trichlorophenol	EPA 8270E	<54.0	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2,4,6-Trichlorophenol	EPA 8270E	<24.3	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2,4-Dichlorophenol	EPA 8270E	<49.1	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2,4-Dimethylphenol	EPA 8270E	<46.9	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2,4-Dinitrophenol	EPA 8270E	<667	U	µg/kg	911	1	02/04/26 20:15	02/03/26 08:54
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<59.2	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<23.3	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2-Chloronaphthalene	EPA 8270E	<12.7	U	µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
2-Chlorophenol	EPA 8270E	<59.7	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<76.1	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2-Methylnaphthalene	EPA 8270E	182		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
2-Methylphenol (o-Cresol)	EPA 8270E	<24.6	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2-Nitroaniline	EPA 8270E	<50.6	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
2-Nitrophenol	EPA 8270E	<26.0	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
3&4-Methylphenol	EPA 8270E	173		µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
3,3'-Dichlorobenzidine	EPA 8270E	<42.6	U	µg/kg	456	1	02/04/26 20:15	02/03/26 08:54
3-Nitroaniline	EPA 8270E	<52.9	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<49.9	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
4-Chloro-3-methylphenol	EPA 8270E	<26.0	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
4-Chloroaniline	EPA 8270E	<46.3	U	µg/kg	182	1	02/04/26 20:15	02/03/26 08:54
4-Chlorophenyl phenylether	EPA 8270E	<25.2	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
4-Nitroaniline	EPA 8270E	<141	U	µg/kg	456	1	02/04/26 20:15	02/03/26 08:54
4-Nitrophenol	EPA 8270E	<214	U	µg/kg	911	1	02/04/26 20:15	02/03/26 08:54
Acenaphthene	EPA 8270E	<13.2	U	µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<15.8	U	µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Acetophenone	EPA 8270E	94.8		µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Anthracene	EPA 8270E	34.6		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Atrazine	EPA 8270E	<53.4	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Benzaldehyde	EPA 8270E	<140	U	µg/kg	182	1	02/04/26 20:15	02/03/26 08:54
Benzo(a)anthracene	EPA 8270E	160		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Benzo(a)pyrene	EPA 8270E	179		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Benzo(b)fluoranthene	EPA 8270E	232		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Benzo(g,h,i)perylene	EPA 8270E	151		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Benzo(k)fluoranthene	EPA 8270E	78.4		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
bis(2-Chloroethoxy) methane	EPA 8270E	<57.7	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
bis(2-Chloroethyl) ether	EPA 8270E	<25.8	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Butyl benzyl phthalate	EPA 8270E	<114	U	µg/kg	182	1	02/04/26 20:15	02/03/26 08:54
Caprolactam	EPA 8270E	<82.3	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Carbazole	EPA 8270E	<26.9	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Chrysene	EPA 8270E	190		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	135		µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Dibenz(a,h) anthracene	EPA 8270E	<9.85	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Dibenzofuran	EPA 8270E	<13.4	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Diethyl phthalate	EPA 8270E	<31.0	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Dimethyl phthalate	EPA 8270E	<17.8	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Fluoranthene	EPA 8270E	317		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Fluorene	EPA 8270E	27.4		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Hexachlorobenzene	EPA 8270E	<26.5	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Hexachlorobutadiene	EPA 8270E	<21.5	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Hexachlorocyclopentadiene	EPA 8270E	<86.4	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Hexachloroethane	EPA 8270E	<37.7	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Indeno(1,2,3-cd) pyrene	EPA 8270E	146		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Isophorone	EPA 8270E	<17.8	U	µg/kg	456	1	02/04/26 20:15	02/03/26 08:54
Methylphenol, Total	EPA 8270E	173		µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	49.2		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Nitrobenzene	EPA 8270E	<30.6	U	µg/kg	456	1	02/04/26 20:15	02/03/26 08:54
n-Nitrosodi-n-propylamine	EPA 8270E	<15.0	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
N-Nitrosodiphenylamine	EPA 8270E	<52.8	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Pentachlorophenol	EPA 8270E	<72.4	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Phenanthrene	EPA 8270E	160		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Phenol	EPA 8270E	<45.8	U	µg/kg	90.3	1	02/04/26 20:15	02/03/26 08:54
Pyrene	EPA 8270E	401		µg/kg	18.2	1	02/04/26 20:15	02/03/26 08:54
Pyridine	EPA 8270E	<179	U	µg/kg	456	1	02/04/26 20:15	02/03/26 08:54
Surr: 2,4,6-Tribromophenol	EPA 8270E	59.5		%REC	48-94	1	02/04/26 20:15	02/03/26 08:54
Surr: 2-Fluorobiphenyl	EPA 8270E	68.6		%REC	50-103	1	02/04/26 20:15	02/03/26 08:54
Surr: 2-Fluorophenol	EPA 8270E	62.9		%REC	43-105	1	02/04/26 20:15	02/03/26 08:54
Surr: 4-Terphenyl-d14	EPA 8270E	81.9		%REC	55-111	1	02/04/26 20:15	02/03/26 08:54
Surr: Nitrobenzene-d5	EPA 8270E	77.0		%REC	47-100	1	02/04/26 20:15	02/03/26 08:54
Surr: Phenol-d6	EPA 8270E	68.3		%REC	49-110	1	02/04/26 20:15	02/03/26 08:54

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<17.9	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,1,2,2-Tetrachloroethane	EPA 8260D	<17.4	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<25.0	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,1,2-Trichloroethane	EPA 8260D	<16.8	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,1-Dichloroethane	EPA 8260D	<14.4	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,1-Dichloroethylene	EPA 8260D	<12.8	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,2,3-Trichlorobenzene	EPA 8260D	<47.4	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
1,2,3-Trichloropropane	EPA 8260D	<16.5	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,2,4-Trichlorobenzene	EPA 8260D	<44.7	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
1,2,4-Trimethylbenzene	EPA 8260D	94.7		µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<36.3	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<23.2	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<15.0	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<23.2	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
1,2-Dichloropropane	EPA 8260D	<29.1	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,3,5-Trimethylbenzene	EPA 8260D	<27.9	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<27.3	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
1,3-Dichloropropene	EPA 8260D	<22.0	U	µg/kg	78.9	1	02/03/26 13:58	02/03/26 13:00
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<32.1	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	271		µg/kg	263	1	02/03/26 13:58	02/03/26 13:00
2-Hexanone	EPA 8260D	<19.6	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<36.8	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Acetone	EPA 8260D	<117	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
Benzene	EPA 8260D	<19.1	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Bromochloromethane	EPA 8260D	<20.1	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Bromodichloromethane	EPA 8260D	<22.1	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Bromoform	EPA 8260D	<16.6	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Carbon disulfide	EPA 8260D	<20.4	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Carbon tetrachloride	EPA 8260D	<15.4	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Chlorobenzene	EPA 8260D	<13.1	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Chlorodibromomethane	EPA 8260D	<22.2	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Chloroethane (Ethyl chloride)	EPA 8260D	<111	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
Chloroform	EPA 8260D	<14.5	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
cis-1,2-Dichloroethylene	EPA 8260D	<25.4	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
cis-1,3-Dichloropropene	EPA 8260D	<29.7	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Cyclohexane	EPA 8260D	<30.2	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<47.8	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
Ethylbenzene	EPA 8260D	<28.0	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Isopropylbenzene	EPA 8260D	<24.9	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
m+p-Xylene	EPA 8260D	<52.6	U	µg/kg	78.9	1	02/03/26 13:58	02/03/26 13:00
Methyl acetate	EPA 8260D	<47.3	U	µg/kg	329	1	02/03/26 13:58	02/03/26 13:00
Methyl bromide (Bromomethane)	EPA 8260D	<75.5	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:33
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB02 (3-4')_20260202

Lab ID: HN2601482-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<108	U	µg/kg	132	1	02/03/26 13:58	02/03/26 13:00
Methyl tert-butyl ether (MTBE)	EPA 8260D	<28.8	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Methylcyclohexane	EPA 8260D	<15.0	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Methylene chloride (Dichloromethane)	EPA 8260D	<105	U	µg/kg	329	1	02/03/26 13:58	02/03/26 13:00
o-Xylene	EPA 8260D	<15.3	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Styrene	EPA 8260D	<15.6	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<23.8	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Toluene	EPA 8260D	<32.5	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Total Xylene	EPA 8260D	<15.3	U	µg/kg	118	1	02/03/26 13:58	02/03/26 13:00
trans-1,2-Dichloroethylene	EPA 8260D	<32.6	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
trans-1,3-Dichloropropylene	EPA 8260D	<22.0	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Trichloroethene (Trichloroethylene)	EPA 8260D	<17.7	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<20.2	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
Vinyl chloride (Chloroethene)	EPA 8260D	<26.2	U	µg/kg	39.5	1	02/03/26 13:58	02/03/26 13:00
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	118		%REC	80-120	1	02/03/26 13:58	02/03/26 13:00
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	94.0		%REC	80-120	1	02/03/26 13:58	02/03/26 13:00
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	112		%REC	72-120	1	02/03/26 13:58	02/03/26 13:00
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	101		%REC	80-120	1	02/03/26 13:58	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.58	U	µg/kg	14.0	1	02/04/26 19:37	02/03/26 08:25
2,4,5-TP (Silvex)	EPA 8151A	<4.59	U	µg/kg	14.0	1	02/04/26 19:37	02/03/26 08:25
2,4-D	EPA 8151A	<7.47	U	µg/kg	28.0	1	02/04/26 19:37	02/03/26 08:25
Surr: DCAA	EPA 8151A	76.0		%REC	10-116	1	02/04/26 19:37	02/03/26 08:25
General Chemistry Parameters								
Percent Moisture	EPA 3550C	19.3		%	0.1	1	02/03/26 10:29	NA
Chloride	EPA 9056A	<4.21	U	mg/kg	13.6	1	02/05/26 00:30	02/03/26 13:57
Metals								
Arsenic	EPA 6020B	13.5		mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Barium	EPA 6020B	113		mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Cadmium	EPA 6020B	<0.221	U	mg/kg	1.47	10	02/05/26 17:26	02/05/26 08:27
Chromium	EPA 6020B	23.3		mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Copper	EPA 6020B	22.8		mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Lead	EPA 6020B	26.8		mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Selenium	EPA 6020B	<3.39	U	mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Silver	EPA 6020B	<0.487	U	mg/kg	3.69	10	02/05/26 17:26	02/05/26 08:27
Zinc	EPA 6020B	82.2		mg/kg	7.37	10	02/05/26 17:26	02/05/26 08:27
Mercury	EPA 7471B	0.0701		mg/kg	0.0233	1	02/05/26 09:48	02/04/26 13:30
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<13.8	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
4,4'-DDE	EPA 8081B	<14.2	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
4,4'-DDT	EPA 8081B	<14.3	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Aldrin	EPA 8081B	<14.0	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
alpha-BHC	EPA 8081B	<14.2	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
beta-BHC	EPA 8081B	<14.2	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Chlordane, Technical	EPA 8081B	<21.4	U	µg/kg	53.9	1	02/03/26 20:01	02/03/26 09:55
cis-Chlordane	EPA 8081B	<14.4	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
delta-BHC	EPA 8081B	<14.1	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Dieldrin	EPA 8081B	<15.1	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<14.5	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Endosulfan II	EPA 8081B	<14.3	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Endosulfan sulfate	EPA 8081B	<13.3	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Endrin	EPA 8081B	<17.5	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Endrin aldehyde	EPA 8081B	<13.7	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Endrin ketone	EPA 8081B	<13.1	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
gamma-BHC (Lindane)	EPA 8081B	<14.2	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Heptachlor	EPA 8081B	<13.9	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Heptachlor epoxide	EPA 8081B	<14.3	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Methoxychlor	EPA 8081B	<14.4	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
Toxaphene	EPA 8081B	<23.3	U	µg/kg	129	1	02/03/26 20:01	02/03/26 09:55
trans-Chlordane	EPA 8081B	<14.3	U	µg/kg	21.6	1	02/03/26 20:01	02/03/26 09:55
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	105		%REC	53-151	1	02/03/26 20:01	02/03/26 09:55
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	91.6		%REC	67-127	1	02/03/26 20:01	02/03/26 09:55

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<49.3	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1221	EPA 8082A	<49.3	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1232	EPA 8082A	<49.3	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1242	EPA 8082A	<49.3	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1248	EPA 8082A	<49.3	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1254	EPA 8082A	<40.2	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1260	EPA 8082A	<40.2	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1262	EPA 8082A	<40.2	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Aroclor 1268	EPA 8082A	<40.2	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
Total PCB	EPA 8082A	<40.2	U	µg/kg	144	1	02/03/26 21:07	02/03/26 09:12
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	132		%REC	54-146	1	02/03/26 21:07	02/03/26 09:12
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	102		%REC	58-140	1	02/03/26 21:07	02/03/26 09:12

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<16.2	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<23.1	U	µg/kg	999	1	02/04/26 20:43	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<71.7	U	µg/kg	500	1	02/04/26 20:43	02/03/26 08:54
1-Methylnaphthalene	EPA 8270E	32.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<23.4	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2,3,4,6-Tetrachlorophenol	EPA 8270E	<73.2	U	µg/kg	200	1	02/04/26 20:43	02/03/26 08:54
2,4,5-Trichlorophenol	EPA 8270E	<59.3	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2,4,6-Trichlorophenol	EPA 8270E	<26.6	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2,4-Dichlorophenol	EPA 8270E	<53.8	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2,4-Dimethylphenol	EPA 8270E	<51.4	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2,4-Dinitrophenol	EPA 8270E	<731	U	µg/kg	999	1	02/04/26 20:43	02/03/26 08:54
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<65.0	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<25.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2-Chloronaphthalene	EPA 8270E	<14.0	U	µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
2-Chlorophenol	EPA 8270E	<65.4	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<83.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2-Methylnaphthalene	EPA 8270E	34.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
2-Methylphenol (o-Cresol)	EPA 8270E	<27.0	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2-Nitroaniline	EPA 8270E	<55.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
2-Nitrophenol	EPA 8270E	<28.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
3&4-Methylphenol	EPA 8270E	<54.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
3,3'-Dichlorobenzidine	EPA 8270E	<46.7	U	µg/kg	500	1	02/04/26 20:43	02/03/26 08:54
3-Nitroaniline	EPA 8270E	<58.1	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<54.8	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
4-Chloro-3-methylphenol	EPA 8270E	<28.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
4-Chloroaniline	EPA 8270E	<50.8	U	µg/kg	200	1	02/04/26 20:43	02/03/26 08:54
4-Chlorophenyl phenylether	EPA 8270E	<27.6	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
4-Nitroaniline	EPA 8270E	<155	U	µg/kg	500	1	02/04/26 20:43	02/03/26 08:54
4-Nitrophenol	EPA 8270E	<234	U	µg/kg	999	1	02/04/26 20:43	02/03/26 08:54
Acenaphthene	EPA 8270E	<14.5	U	µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<17.3	U	µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Acetophenone	EPA 8270E	<15.7	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Anthracene	EPA 8270E	74.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Atrazine	EPA 8270E	<58.6	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Benzaldehyde	EPA 8270E	<154	U	µg/kg	200	1	02/04/26 20:43	02/03/26 08:54
Benzo(a)anthracene	EPA 8270E	34.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Benzo(a)pyrene	EPA 8270E	28.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Benzo(b)fluoranthene	EPA 8270E	72.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Benzo(g,h,i)perylene	EPA 8270E	28.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Benzo(k)fluoranthene	EPA 8270E	70.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
bis(2-Chloroethoxy) methane	EPA 8270E	<63.3	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
bis(2-Chloroethyl) ether	EPA 8270E	<28.3	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Butyl benzyl phthalate	EPA 8270E	<125	U	µg/kg	200	1	02/04/26 20:43	02/03/26 08:54
Caprolactam	EPA 8270E	<90.2	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Carbazole	EPA 8270E	<29.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Chrysene	EPA 8270E	54.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<82.7	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Dibenz(a,h) anthracene	EPA 8270E	<10.8	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Dibenzofuran	EPA 8270E	<14.7	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Diethyl phthalate	EPA 8270E	<34.0	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Dimethyl phthalate	EPA 8270E	<19.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Fluoranthene	EPA 8270E	104		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Fluorene	EPA 8270E	<14.5	U	µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Hexachlorobenzene	EPA 8270E	<29.1	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Hexachlorobutadiene	EPA 8270E	<23.6	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Hexachlorocyclopentadiene	EPA 8270E	<94.8	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Hexachloroethane	EPA 8270E	<41.4	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Indeno(1,2,3-cd) pyrene	EPA 8270E	30.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Isophorone	EPA 8270E	<19.5	U	µg/kg	500	1	02/04/26 20:43	02/03/26 08:54
Methylphenol, Total	EPA 8270E	<27.0	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	<12.8	U	µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Nitrobenzene	EPA 8270E	<33.6	U	µg/kg	500	1	02/04/26 20:43	02/03/26 08:54
n-Nitrosodi-n-propylamine	EPA 8270E	<16.5	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
N-Nitrosodiphenylamine	EPA 8270E	<57.9	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Pentachlorophenol	EPA 8270E	<79.4	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Phenanthrene	EPA 8270E	74.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Phenol	EPA 8270E	<50.2	U	µg/kg	99.0	1	02/04/26 20:43	02/03/26 08:54
Pyrene	EPA 8270E	92.0		µg/kg	20.0	1	02/04/26 20:43	02/03/26 08:54
Pyridine	EPA 8270E	<197	U	µg/kg	500	1	02/04/26 20:43	02/03/26 08:54
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	74.0		%REC	48-94	1	02/04/26 20:43	02/03/26 08:54
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	69.6		%REC	50-103	1	02/04/26 20:43	02/03/26 08:54
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	72.9		%REC	43-105	1	02/04/26 20:43	02/03/26 08:54
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	83.9		%REC	55-111	1	02/04/26 20:43	02/03/26 08:54
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	81.4		%REC	47-100	1	02/04/26 20:43	02/03/26 08:54
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	75.5		%REC	49-110	1	02/04/26 20:43	02/03/26 08:54

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<20.3	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,1,2,2-Tetrachloroethane	EPA 8260D	<19.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<28.3	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,1,2-Trichloroethane	EPA 8260D	<19.0	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,1-Dichloroethane	EPA 8260D	<16.3	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,1-Dichloroethylene	EPA 8260D	<14.5	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,2,3-Trichlorobenzene	EPA 8260D	<53.6	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
1,2,3-Trichloropropane	EPA 8260D	<18.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,2,4-Trichlorobenzene	EPA 8260D	<50.6	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
1,2,4-Trimethylbenzene	EPA 8260D	<32.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<41.1	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<26.3	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<16.9	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<26.3	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
1,2-Dichloropropane	EPA 8260D	<32.9	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,3,5-Trimethylbenzene	EPA 8260D	<31.5	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<30.8	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
1,3-Dichloropropene	EPA 8260D	<24.9	U	µg/kg	89.3	1	02/03/26 14:17	02/03/26 13:00
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<36.3	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<106	U	µg/kg	298	1	02/03/26 14:17	02/03/26 13:00
2-Hexanone	EPA 8260D	<22.1	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<41.6	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Acetone	EPA 8260D	<133	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
Benzene	EPA 8260D	<21.6	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Bromochloromethane	EPA 8260D	<22.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Bromodichloromethane	EPA 8260D	<25.0	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Bromoform	EPA 8260D	<18.8	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Carbon disulfide	EPA 8260D	<23.1	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Carbon tetrachloride	EPA 8260D	<17.5	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Chlorobenzene	EPA 8260D	<14.8	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Chlorodibromomethane	EPA 8260D	<25.1	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Chloroethane (Ethyl chloride)	EPA 8260D	<125	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
Chloroform	EPA 8260D	<16.4	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
cis-1,2-Dichloroethylene	EPA 8260D	<28.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
cis-1,3-Dichloropropene	EPA 8260D	<33.6	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Cyclohexane	EPA 8260D	<34.2	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<54.0	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
Ethylbenzene	EPA 8260D	<31.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Isopropylbenzene	EPA 8260D	<28.2	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
m+p-Xylene	EPA 8260D	<59.5	U	µg/kg	89.3	1	02/03/26 14:17	02/03/26 13:00
Methyl acetate	EPA 8260D	<53.5	U	µg/kg	372	1	02/03/26 14:17	02/03/26 13:00
Methyl bromide (Bromomethane)	EPA 8260D	<85.4	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID

Work Order: HN2601482
Date Collected: 02/02/26 09:45
Date Received: 02/03/26 06:00

CLIENT ID: 8192 SB03 (5-6')_20260202

Lab ID: HN2601482-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<122	U	µg/kg	149	1	02/03/26 14:17	02/03/26 13:00
Methyl tert-butyl ether (MTBE)	EPA 8260D	<32.6	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Methylcyclohexane	EPA 8260D	<17.0	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Methylene chloride (Dichloromethane)	EPA 8260D	<118	U	µg/kg	372	1	02/03/26 14:17	02/03/26 13:00
o-Xylene	EPA 8260D	<17.3	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Styrene	EPA 8260D	<17.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<26.9	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Toluene	EPA 8260D	<36.8	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Total Xylene	EPA 8260D	<17.3	U	µg/kg	134	1	02/03/26 14:17	02/03/26 13:00
trans-1,2-Dichloroethylene	EPA 8260D	<36.8	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
trans-1,3-Dichloropropylene	EPA 8260D	<24.9	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Trichloroethene (Trichloroethylene)	EPA 8260D	<20.0	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<22.8	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Vinyl chloride (Chloroethene)	EPA 8260D	<29.7	U	µg/kg	44.7	1	02/03/26 14:17	02/03/26 13:00
Surr: 1,2-Dichloroethane-d4	EPA 8260D	116		%REC	80-120	1	02/03/26 14:17	02/03/26 13:00
Surr: 4-Bromofluorobenzene	EPA 8260D	98.6		%REC	80-120	1	02/03/26 14:17	02/03/26 13:00
Surr: Dibromofluoromethane	EPA 8260D	109		%REC	72-120	1	02/03/26 14:17	02/03/26 13:00
Surr: Toluene-d8	EPA 8260D	97.6		%REC	80-120	1	02/03/26 14:17	02/03/26 13:00



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438897

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859535

Chlorinated Herbicides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2438897-001
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/04/26 15:42
Prep Date: 02/03/26 08:26

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	39.0	µg/kg		50		78.0	10-116			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2438897-002
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/04/26 15:56
Prep Date: 02/03/26 08:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	35.0	µg/kg	5.00	50		70.0	10-119			
2,4,5-TP (Silvex)	35.0	µg/kg	5.00	50		70.0	10-101			
2,4-D	35.0	µg/kg	10.0	50		70.0	10-128			
Surr: DCAA	46.0	µg/kg		50		92.0	10-116			

MS	CLIENT ID: Batch QC	Lab ID: QC-2438897-005
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/04/26 16:09
Prep Date: 02/03/26 08:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	36.1	µg/kg	5.19	48.733	<0.920	74.0	10-119			
2,4,5-TP (Silvex)	32.2	µg/kg	5.19	48.733	<1.64	66.0	10-101			
2,4-D	38.0	µg/kg	10.4	48.733	<2.67	78.0	10-128			
Surr: DCAA	42.9	µg/kg		48.733		88.0	10-116			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2438897-006
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/04/26 16:22
Prep Date: 02/03/26 08:26

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	35.1	µg/kg	5.18	48.685	<0.920	72.0	10-119	2.84	30	
2,4,5-TP (Silvex)	32.1	µg/kg	5.18	48.685	<1.64	66.0	10-101	0.0974	30	
2,4-D	37.0	µg/kg	10.4	48.685	<2.67	76.0	10-128	2.69	30	
Surr: DCAA	43.8	µg/kg		48.685		90.0	10-116	2.15	30	

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438992

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3856738

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2438992-001
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/03/26 10:29
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-2438992-002
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/03/26 10:29
Prep Date: NA

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

DUP	CLIENT ID: Batch QC	Lab ID: QC-2438992-015
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/03/26 10:29
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	13.4	%	0.1		12.9			4.10	10	

The following samples were analyzed in this batch: HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438992

Work Order: HN2601482
Date Collected: 02/02/26 09:20
Date Received: 02/03/26 06:00
Run ID: 3860037

General Chemistry Parameters

DUP	CLIENT ID: 8192 SB01 (1-2')_20260202	Lab ID: QC-2438992-004
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Method: EPA 3550C	Dilution: 1	Analysis Date: 02/04/26 13:51
Prep Date: NA		

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	13.1	%	0.1		12.8			2.86	10	

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439031

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3861166

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2439031-001
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/04/26 21:48
Prep Date: 02/03/26 13:58

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-2439031-002
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/04/26 21:56
Prep Date: 02/03/26 13:58

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	96.0	mg/kg	10.0	100		96.0	87-110			

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2441114

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3860037

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2441114-001
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/04/26 13:51
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-2441114-002
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/04/26 13:51
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-2441114-004
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/04/26 13:51
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	7.4	%	0.1		6.8			8.87	10	

The following samples were analyzed in this batch: HN2601482-001

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2440509

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3861839

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2440509-001
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/05/26 12:27
Prep Date: 02/04/26 13:31

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-2440509-002
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/05/26 12:29
Prep Date: 02/04/26 13:31

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.164	mg/kg	0.0200	0.1665		98.6	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2440509-004
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/05/26 09:36
Prep Date: 02/04/26 13:31

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.208	mg/kg	0.0178	0.13647	0.0418	124	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2440509-005
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/05/26 09:38
Prep Date: 02/04/26 13:31

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.164	mg/kg	0.0200	0.1299	0.0418	97.0	75-125	23.5	35	

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2442247

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862347

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2442247-001
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 02/05/26 16:58
Prep Date: 02/05/26 08:28

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-2442247-002
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 02/05/26 16:59
Prep Date: 02/05/26 08:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	4.51	mg/kg	0.250	5		90.2	80-120			
Barium	4.90	mg/kg	0.250	5		97.9	80-120			
Cadmium	4.76	mg/kg	0.100	5		95.1	80-120			
Chromium	4.38	mg/kg	0.250	5		87.6	80-120			
Copper	4.45	mg/kg	0.250	5		88.9	80-120			
Lead	4.84	mg/kg	0.250	5		96.8	80-120			
Selenium	4.54	mg/kg	0.250	5		90.7	80-120			
Silver	4.99	mg/kg	0.250	5		99.9	80-120			
Zinc	4.36	mg/kg	0.500	5		87.1	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2442247-004
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Method: EPA 6020B **Dilution:** 10 **Analysis Date:** 02/05/26 17:03
Prep Date: 02/05/26 08:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	<0.346	mg/kg	17.5	5.7604	28.1	92.8	75-125			U
Barium	123	mg/kg	17.5	5	732	NC	75-125			O
Cadmium	<0.173	mg/kg	6.99	5.7604	<0.173	105	75-125			U
Chromium	20.4	mg/kg	17.5	5.7604	95.8	79.9	75-125			
Copper	103	mg/kg	17.5	5	625	NC	75-125			O
Lead	<1.38	mg/kg	17.5	5.7604	50.0	91.0	75-125			U
Selenium	<2.65	mg/kg	17.5	5.7604	<2.65	93.9	75-125			U
Silver	<0.380	mg/kg	17.5	5.7604	<0.380	102	75-125			U
Zinc	170	mg/kg	35.0	5	1060	NC	75-125			O

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2442247

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862347

MSD	CLIENT ID: Batch QC	Lab ID: QC-2442247-005
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Method: EPA 6020B **Dilution:** 10 **Analysis Date:** 02/05/26 17:04
Prep Date: 02/05/26 08:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	<0.346	mg/kg	17.5	5.7737	28.1	73.8	75-125	NC		US
Barium	107	mg/kg	17.5	5	732	NC	75-125	13.9	20	O
Cadmium	<0.173	mg/kg	7.01	5.7737	<0.173	96.8	75-125	NC		U
Chromium	<1.27	mg/kg	17.5	5.7737	95.8	23.8	75-125	15.2	20	US
Copper	89.4	mg/kg	17.5	5	625	NC	75-125	13.8	20	O
Lead	<1.39	mg/kg	17.5	5.7737	50.0	75.1	75-125	NC		U
Selenium	<2.66	mg/kg	17.5	5.7737	<2.66	79.8	75-125	NC		U
Silver	<0.381	mg/kg	17.5	5.7737	<0.381	93.6	75-125	NC		U
Zinc	149	mg/kg	35.0	5	1060	NC	75-125	13.2	20	O

PDS	CLIENT ID: Batch QC	Lab ID: QC-2442247-007
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Method: EPA 6020B **Dilution:** 10 **Analysis Date:** 02/05/26 17:07
Prep Date: 02/05/26 08:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	69.8	mg/kg	17.0	56.18	28.1	116	75-125			
Barium	207	mg/kg	17.0	56.18	732	155	75-125			S
Cadmium	68.0	mg/kg	6.82	56.18	<0.169	121	75-125			
Chromium	77.5	mg/kg	17.0	56.18	95.8	110	75-125			
Copper	177	mg/kg	17.0	56.18	625	132	75-125			S
Lead	72.0	mg/kg	17.0	56.18	50.0	114	75-125			
Selenium	67.1	mg/kg	17.0	56.18	<2.58	116	75-125			
Silver	55.3	mg/kg	17.0	56.18	<0.371	97.8	75-125			
Zinc	256	mg/kg	34.1	56.18	1060	145	75-125			S

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438894

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859489

Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2438894-001
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 02/03/26 17:31**Prep Date:** 02/03/26 09:56

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	39.0	µg/kg		33.33		117	53-151			
Surr: Tetrachloro-m-xylene	32.4	µg/kg		33.33		97.3	67-127			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2438894-002
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 02/03/26 17:43**Prep Date:** 02/03/26 09:56

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	26.5	µg/kg	10.0	33.33		79.5	55-141			
4,4'-DDE	26.7	µg/kg	10.0	33.33		80.2	55-143			
4,4'-DDT	28.8	µg/kg	10.0	33.33		86.3	50-144			
Aldrin	26.8	µg/kg	10.0	33.33		80.4	57-141			
alpha-BHC	26.5	µg/kg	10.0	33.33		79.4	58-144			
beta-BHC	26.3	µg/kg	10.0	33.33		79.0	55-147			
cis-Chlordane	26.7	µg/kg	10.0	33.33		80.1	58-142			
delta-BHC	27.2	µg/kg	10.0	33.33		81.8	59-142			
Dieldrin	26.8	µg/kg	10.0	33.33		80.3	59-142			
Endosulfan I	26.2	µg/kg	10.0	33.33		78.6	57-145			
Endosulfan II	26.5	µg/kg	10.0	33.33		79.5	58-138			
Endosulfan sulfate	26.1	µg/kg	10.0	33.33		78.3	54-136			
Endrin	30.0	µg/kg	10.0	33.33		89.9	45-150			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438894

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859489

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2438894-002
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/03/26 17:43

Prep Date: 02/03/26 09:56

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	26.7	µg/kg	10.0	33.33		80.1	41-147			
Endrin ketone	25.5	µg/kg	10.0	33.33		76.5	54-146			
gamma-BHC (Lindane)	26.6	µg/kg	10.0	33.33		79.8	58-145			
Heptachlor	27.9	µg/kg	10.0	33.33		83.8	51-145			
Heptachlor epoxide	26.7	µg/kg	10.0	33.33		80.1	59-143			
Methoxychlor	27.5	µg/kg	10.0	33.33		82.5	43-144			
trans-Chlordane	26.7	µg/kg	10.0	33.33		80.1	56-145			
Surr: Decachlorobiphenyl	33.3	µg/kg		33.33		99.8	51-151			
Surr: Tetrachloro-m-xylene	29.2	µg/kg		33.33		87.7	67-127			

MS	CLIENT ID: Batch QC	Lab ID: QC-2438894-005
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/03/26 17:54

Prep Date: 02/03/26 09:56

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	25.6	µg/kg	10.5	32.915	<6.31	77.9	55-141			
4,4'-DDE	26.2	µg/kg	10.5	32.915	<6.51	79.1	55-143			
4,4'-DDT	28.6	µg/kg	10.5	32.915	<6.57	87.0	50-144			
Aldrin	26.4	µg/kg	10.5	32.915	<6.42	80.3	57-141			
alpha-BHC	26.2	µg/kg	10.5	32.915	<6.50	79.5	58-144			
beta-BHC	25.4	µg/kg	10.5	32.915	<6.48	77.3	55-147			
cis-Chlordane	26.1	µg/kg	10.5	32.915	<6.60	79.2	58-142			
delta-BHC	25.9	µg/kg	10.5	32.915	<6.47	78.7	59-142			
Dieldrin	26.1	µg/kg	10.5	32.915	<6.91	79.3	59-142			
Endosulfan I	25.4	µg/kg	10.5	32.915	<6.64	77.2	57-145			
Endosulfan II	24.5	µg/kg	10.5	32.915	<6.54	74.3	58-138			
Endosulfan sulfate	23.5	µg/kg	10.5	32.915	<6.07	71.4	54-135			
Endrin	29.1	µg/kg	10.5	32.915	<7.99	88.5	45-150			
Endrin aldehyde	23.5	µg/kg	10.5	32.915	<6.26	71.5	41-147			
Endrin ketone	23.6	µg/kg	10.5	32.915	<6.01	71.7	54-146			
gamma-BHC (Lindane)	26.2	µg/kg	10.5	32.915	<6.48	79.6	58-145			
Heptachlor	27.6	µg/kg	10.5	32.915	<6.37	83.9	51-145			
Heptachlor epoxide	26.2	µg/kg	10.5	32.915	<6.53	79.6	59-143			
Methoxychlor	25.7	µg/kg	10.5	32.915	<6.60	78.0	43-144			
trans-Chlordane	26.1	µg/kg	10.5	32.915	<6.56	79.2	56-145			
Surr: Decachlorobiphenyl	32.1	µg/kg		32.915		97.6	53-151			
Surr: Tetrachloro-m-xylene	28.7	µg/kg		32.915		87.1	67-127			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2438894-006
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/03/26 18:06

Prep Date: 02/03/26 09:56

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	27.7	µg/kg	10.5	33.02	<6.39	84.0	55-141	7.85	20	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438894

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859489

MSD	CLIENT ID: Batch QC	Lab ID: QC-2438894-006
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/03/26 18:06

Prep Date: 02/03/26 09:56

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDE	28.2	µg/kg	10.5	33.02	<6.59	84.7	55-143	7.11	20	
4,4'-DDT	31.3	µg/kg	10.5	33.02	<6.65	94.7	50-144	8.85	20	
Aldrin	27.6	µg/kg	10.5	33.02	<6.50	83.6	57-141	4.41	20	
alpha-BHC	26.9	µg/kg	10.5	33.02	<6.58	81.6	58-144	2.99	20	
beta-BHC	26.3	µg/kg	10.5	33.02	<6.57	79.5	55-147	3.19	20	
cis-Chlordane	27.7	µg/kg	10.5	33.02	<6.68	83.8	58-142	6.02	20	
delta-BHC	26.6	µg/kg	10.5	33.02	<6.55	80.7	59-142	2.76	20	
Dieldrin	27.6	µg/kg	10.5	33.02	<6.99	83.7	59-142	5.72	20	
Endosulfan I	26.9	µg/kg	10.5	33.02	<6.72	81.6	57-145	5.92	20	
Endosulfan II	25.9	µg/kg	10.5	33.02	<6.62	78.4	58-138	5.62	20	
Endosulfan sulfate	24.8	µg/kg	10.5	33.02	<6.15	75.0	54-135	5.17	20	
Endrin	31.1	µg/kg	10.5	33.02	<8.09	94.3	45-150	6.67	20	
Endrin aldehyde	25.2	µg/kg	10.5	33.02	<6.34	76.4	41-147	6.95	20	
Endrin ketone	25.3	µg/kg	10.5	33.02	<6.08	76.5	54-146	6.79	20	
gamma-BHC (Lindane)	27.0	µg/kg	10.5	33.02	<6.56	81.9	58-145	3.10	20	
Heptachlor	28.8	µg/kg	10.5	33.02	<6.45	87.4	51-145	4.41	20	
Heptachlor epoxide	27.5	µg/kg	10.5	33.02	<6.62	83.4	59-143	4.98	20	
Methoxychlor	27.7	µg/kg	10.5	33.02	<6.69	83.8	43-144	7.49	20	
trans-Chlordane	27.7	µg/kg	10.5	33.02	<6.64	83.9	56-145	6.02	20	
Surr: Decachlorobiphenyl	35.0	µg/kg		33.02		106	53-151	8.57	30	
Surr: Tetrachloro-m-xylene	28.9	µg/kg		33.02		87.4	67-127	0.718	30	

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438892

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859330

Polychlorinated Biphenyls (PCBs) by GC/ECD

MB		CLIENT ID: Method Blank				Lab ID: QC-2438892-001					
Method: EPA 8082A		Dilution: 1				Analysis Date: 02/03/26 17:58					
						Prep Date: 02/03/26 09:13					
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	44.2	µg/kg		33.3		133	54-146				
Surr: Tetrachloro-m-xylene	35.3	µg/kg		33.3		106	58-140				

LCS		CLIENT ID: Laboratory Control Sample					Lab ID: QC-2438892-002				
Method: EPA 8082A			Dilution: 1			Analysis Date: 02/03/26 18:10					
						Prep Date: 02/03/26 09:13					
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual	
Aroclor 1016	888	µg/kg	66.7	833		107	71-135				
Aroclor 1260	892	µg/kg	66.7	833		107	67-135				
Surr: Decachlorobiphenyl	44.8	µg/kg		33.3		135	54-146				
Surr: Tetrachloro-m-xylene	34.0	µg/kg		33.3		102	58-140				

MS		CLIENT ID: Batch QC				Lab ID: QC-2438892-005				
Method: EPA 8082A		Dilution: 1				Analysis Date: 02/03/26 18:45				
						Prep Date: 02/03/26 09:13				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	887	µg/kg	72.5	826.99	<22.7	107	71-135			
Aroclor 1260	880	µg/kg	72.5	826.99	<18.5	106	67-135			
Surr: Decachlorobiphenyl	44.1	µg/kg		33.06		133	54-146			
Surr: Tetrachloro-m-xylene	32.6	µg/kg		33.06		98.6	58-140			

MSD		CLIENT ID: Batch QC				Lab ID: QC-2438892-006				
Method: EPA 8082A		Dilution: 1				Analysis Date: 02/03/26 18:57				
						Prep Date: 02/03/26 09:13				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	862	µg/kg	72.4	825.46	<22.9	104	71-135	2.84	20	
Aroclor 1260	855	µg/kg	72.4	825.46	<18.6	104	67-135	2.77	20	
Surr: Decachlorobiphenyl	43.3	µg/kg		32.999		131	54-146	1.70	30	
Surr: Tetrachloro-m-xylene	31.8	µg/kg		32.999		96.5	58-140	2.34	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438892

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859330

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

Semivolatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2438891-001
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 14:35

Prep Date: 02/03/26 08:55

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: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

MB	CLIENT ID: Method Blank	Lab ID: QC-2438891-001
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 14:35

Prep Date: 02/03/26 08:55

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	2440	µg/kg		3333		73.2	48-94			
Surr: 2-Fluorobiphenyl	2440	µg/kg		3333		73.3	50-103			
Surr: 2-Fluorophenol	2460	µg/kg		3333		73.7	43-105			
Surr: 4-Terphenyl-d14	3010	µg/kg		3333		90.3	55-111			
Surr: Nitrobenzene-d5	2850	µg/kg		3333		85.6	47-100			
Surr: Phenol-d6	2510	µg/kg		3333		75.4	49-110			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2438891-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 15:04

Prep Date: 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1200	µg/kg	33.0	1333		90.3	57-101			
1,2,4,5-Tetrachlorobenzene	1190	µg/kg	33.0	1333		89.0	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	1210	µg/kg	33.0	1333		90.8	50-101			
2,3,4,6-Tetrachlorophenol	1200	µg/kg	67.0	1333		90.2	48-103			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2438891-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 15:04

Prep Date: 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1010	µg/kg	33.0	1333		75.9	54-98			
2,4,6-Trichlorophenol	1000	µg/kg	33.0	1333		75.3	56-97			
2,4-Dichlorophenol	1110	µg/kg	33.0	1333		83.3	54-99			
2,4-Dimethylphenol	901	µg/kg	33.0	1333		67.6	47-102			
2,4-Dinitrophenol	683	µg/kg	33.0	1333		51.2	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1060	µg/kg	33.0	1333		79.8	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1110	µg/kg	33.0	1333		83.2	62-103			
2-Chloronaphthalene	968	µg/kg	6.67	1333		72.6	57-101			
2-Chlorophenol	1050	µg/kg	33.0	1333		79.1	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	973	µg/kg	33.0	1333		73.0	42-104			
2-Methylnaphthalene	1170	µg/kg	6.67	1333		87.5	55-102			
2-Methylphenol (o-Cresol)	1050	µg/kg	33.0	1333		79.1	54-103			
2-Nitroaniline	905	µg/kg	33.0	1333		67.9	57-103			
2-Nitrophenol	1160	µg/kg	33.0	1333		86.9	52-102			
3&4-Methylphenol	1040	µg/kg	33.0	1333		78.2	56-103			
3,3'-Dichlorobenzidine	862	µg/kg	167	1333		64.7	41-91			
3-Nitroaniline	699	µg/kg	33.0	1333		52.5	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1170	µg/kg	33.0	1333		88.1	63-104			
4-Chloro-3-methylphenol	1160	µg/kg	33.0	1333		87.1	57-103			
4-Chloroaniline	1140	µg/kg	67.0	1333		85.9	32-99			
4-Chlorophenyl phenylether	1100	µg/kg	33.0	1333		82.5	62-100			
4-Nitroaniline	466	µg/kg	167	1333		35.0	19-124			
4-Nitrophenol	1080	µg/kg	33.0	1333		80.9	44-106			
Acenaphthene	1030	µg/kg	6.67	1333		77.1	60-101			
Acenaphthylene	1060	µg/kg	6.67	1333		79.2	59-101			
Acetophenone	1090	µg/kg	33.0	1333		81.8	54-102			
Anthracene	1120	µg/kg	6.67	1333		83.8	63-96			
Atrazine	1320	µg/kg	33.0	1333		98.8	60-110			
Benzaldehyde	261	µg/kg	67.0	1333		19.6	10-143			
Benzo(a)anthracene	1120	µg/kg	6.67	1333		83.7	66-102			
Benzo(a)pyrene	1180	µg/kg	6.67	1333		88.8	66-105			
Benzo(b)fluoranthene	1050	µg/kg	6.67	1333		78.6	67-105			
Benzo(g,h,i)perylene	1210	µg/kg	6.67	1333		90.7	59-110			
Benzo(k)fluoranthene	1120	µg/kg	6.67	1333		84.2	68-106			
bis(2-Chloroethoxy)methane	1160	µg/kg	33.0	1333		86.7	54-102			
bis(2-Chloroethyl) ether	1120	µg/kg	33.0	1333		84.3	51-101			
Butyl benzyl phthalate	1270	µg/kg	67.0	1333		95.0	59-107			
Caprolactam	1000	µg/kg	33.0	1333		75.3	49-103			
Carbazole	1090	µg/kg	33.0	1333		81.7	63-103			
Chrysene	1290	µg/kg	6.67	1333		97.0	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1330	µg/kg	33.0	1333		99.6	63-101			
Dibenz(a,h) anthracene	1190	µg/kg	33.0	1333		88.9	61-109			
Dibenzofuran	1070	µg/kg	33.0	1333		79.9	61-101			
Diethyl phthalate	1120	µg/kg	33.0	1333		84.3	63-105			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2438891-002
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/04/26 15:04**Prep Date:** 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Dimethyl phthalate	1090	µg/kg	33.0	1333		81.9	64-104			
Fluoranthene	1120	µg/kg	6.67	1333		84.2	66-105			
Fluorene	1040	µg/kg	6.67	1333		77.8	62-101			
Hexachlorobenzene	1150	µg/kg	33.0	1333		86.6	61-104			
Hexachlorobutadiene	1170	µg/kg	33.0	1333		87.6	52-99			
Hexachlorocyclopentadiene	999	µg/kg	33.0	1333		74.9	39-106			
Hexachloroethane	1050	µg/kg	33.0	1333		78.4	59-99			
Indeno(1,2,3-cd) pyrene	1310	µg/kg	6.67	1333		98.0	57-114			
Isophorone	1180	µg/kg	167	1333		88.3	55-101			
Methylphenol, Total	2100	µg/kg	67.0	2667		78.6	54-103			
Naphthalene	1100	µg/kg	6.67	1333		82.2	54-99			
Nitrobenzene	1140	µg/kg	167	1333		85.9	53-100			
n-Nitrosodi-n-propylamine	1120	µg/kg	33.0	1333		84.4	52-104			
N-Nitrosodiphenylamine	1100	µg/kg	33.0	1333		82.3	61-104			
Pentachlorophenol	894	µg/kg	33.0	1333		67.1	35-100			
Phenanthrene	1050	µg/kg	6.67	1333		78.7	64-101			
Phenol	1140	µg/kg	33.0	1333		85.9	51-107			
Pyrene	1320	µg/kg	6.67	1333		99.3	62-114			
Pyridine	756	µg/kg	167	1333		56.7	40-84			
Surr: 2,4,6-Tribromophenol	2830	µg/kg		3333		84.8	48-94			
Surr: 2-Fluorobiphenyl	2630	µg/kg		3333		78.8	50-103			
Surr: 2-Fluorophenol	2650	µg/kg		3333		79.4	43-105			
Surr: 4-Terphenyl-d14	3110	µg/kg		3333		93.3	55-111			
Surr: Nitrobenzene-d5	3270	µg/kg		3333		98.2	47-100			
Surr: Phenol-d6	2800	µg/kg		3333		83.9	49-110			

MS	CLIENT ID: Batch QC	Lab ID: QC-2438891-005
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/04/26 15:32**Prep Date:** 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1130	µg/kg	35.7	1302	<5.28	86.9	57-101			
1,2,4,5-Tetrachlorobenzene	1100	µg/kg	360	1302	<7.51	84.7	54-98			
1-Methylnaphthalene	1100	µg/kg	7.21	1302	<4.69	84.2	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	1130	µg/kg	35.7	1302	<7.63	87.0	50-101			
2,3,4,6-Tetrachlorophenol	1140	µg/kg	72.1	1302	<23.8	87.9	48-103			
2,4,5-Trichlorophenol	1020	µg/kg	35.7	1302	<19.3	78.1	54-98			
2,4,6-Trichlorophenol	995	µg/kg	35.7	1302	<8.66	76.4	56-97			
2,4-Dichlorophenol	1080	µg/kg	35.7	1302	<17.5	82.8	54-99			
2,4-Dimethylphenol	830	µg/kg	35.7	1302	<16.7	63.7	47-102			
2,4-Dinitrophenol	<238	µg/kg	360	1302	<238	18.3	10-100			U
2,4-Dinitrotoluene (2,4-DNT)	1020	µg/kg	35.7	1302	<21.1	78.1	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1080	µg/kg	35.7	1302	<8.31	83.0	62-103			
2-Chloronaphthalene	931	µg/kg	7.21	1302	<4.55	71.5	57-101			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

MS	CLIENT ID: Batch QC	Lab ID: QC-2438891-005
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 15:32

Prep Date: 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2-Chlorophenol	1010	µg/kg	35.7	1302	<21.3	77.9	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	746	µg/kg	35.7	1302	<27.2	57.3	42-104			
2-Methylnaphthalene	1090	µg/kg	7.21	1302	<3.31	84.0	55-102			
2-Methylphenol (o-Cresol)	988	µg/kg	35.7	1302	<8.80	75.9	54-103			
2-Nitroaniline	875	µg/kg	35.7	1302	<18.1	67.2	57-103			
2-Nitrophenol	1120	µg/kg	35.7	1302	<9.28	86.3	52-102			
3&4-Methylphenol	1000	µg/kg	35.7	1302	<17.7	76.9	56-103			
3,3'-Dichlorobenzidine	819	µg/kg	180	1302	<15.2	62.9	41-91			
3-Nitroaniline	622	µg/kg	35.7	1302	<18.9	47.8	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1110	µg/kg	35.7	1302	<17.8	85.6	63-104			
4-Chloro-3-methylphenol	1130	µg/kg	35.7	1302	<9.28	86.5	57-103			
4-Chloroaniline	1110	µg/kg	72.1	1302	<16.5	85.0	32-99			
4-Chlorophenyl phenylether	1050	µg/kg	35.7	1302	<9.00	80.6	62-100			
4-Nitroaniline	296	µg/kg	180	1302	<50.5	22.8	19-124			
4-Nitrophenol	1030	µg/kg	360	1302	<76.3	79.4	44-106			
Acenaphthene	989	µg/kg	7.21	1302	<4.71	76.0	60-101			
Acenaphthylene	1020	µg/kg	7.21	1302	<5.65	78.4	59-101			
Acetophenone	1050	µg/kg	35.7	1302	<5.10	80.9	54-102			
Anthracene	1080	µg/kg	7.21	1302	<4.59	82.6	63-96			
Atrazine	1290	µg/kg	35.7	1302	<19.1	99.0	60-110			
Benzaldehyde	171	µg/kg	72.1	1302	<50.0	13.1	10-143			
Benzo(a)anthracene	1090	µg/kg	7.21	1302	8.04	82.9	66-102			
Benzo(a)pyrene	1150	µg/kg	7.21	1302	8.77	87.4	66-105			
Benzo(b)fluoranthene	1010	µg/kg	7.21	1302	12.4	76.7	67-105			
Benzo(g,h,i)perylene	1160	µg/kg	7.21	1302	8.04	88.7	59-110			
Benzo(k)fluoranthene	1090	µg/kg	7.21	1302	<4.93	83.5	68-106			
bis(2-Chloroethoxy)methane	1130	µg/kg	35.7	1302	<20.6	87.0	54-102			
bis(2-Chloroethyl) ether	975	µg/kg	35.7	1302	<9.22	74.9	51-101			
Butyl benzyl phthalate	1230	µg/kg	72.1	1302	<40.8	94.8	59-107			
Caprolactam	996	µg/kg	35.7	1302	<29.4	76.5	49-103			
Carbazole	1050	µg/kg	35.7	1302	<9.59	80.7	63-103			
Chrysene	1270	µg/kg	7.21	1302	<5.56	97.2	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1300	µg/kg	35.7	1302	<26.9	100	63-101			
Dibenz(a,h) anthracene	1150	µg/kg	35.7	1302	<3.52	88.2	61-109			
Dibenzofuran	1020	µg/kg	35.7	1302	<4.79	78.4	61-101			
Diethyl phthalate	1070	µg/kg	35.7	1302	<11.1	82.4	63-105			
Dimethyl phthalate	1060	µg/kg	35.7	1302	<6.35	81.1	64-104			
Fluoranthene	1090	µg/kg	7.21	1302	14.6	82.6	66-105			
Fluorene	1010	µg/kg	7.21	1302	<4.73	77.4	62-101			
Hexachlorobenzene	1110	µg/kg	35.7	1302	<9.47	85.6	61-104			
Hexachlorobutadiene	1100	µg/kg	35.7	1302	<7.67	84.2	52-99			
Hexachlorocyclopentadiene	959	µg/kg	35.7	1302	<31.8	73.6	39-106			
Hexachloroethane	996	µg/kg	35.7	1302	<13.5	76.5	59-99			
Indeno(1,2,3-cd) pyrene	1230	µg/kg	7.21	1302	11.0	93.4	57-114			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

MS		CLIENT ID: Batch QC				Lab ID: QC-2438891-005			
Method: EPA 8270E		Dilution: 1				Analysis Date: 02/04/26 15:32			
						Prep Date: 02/03/26 08:55			
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit Qual
Isophorone	1120	µg/kg	180	1302	<6.36	85.9	55-101		
Methylphenol, Total	1990	µg/kg	35.7	2605	<8.80	76.4	54-103		
Naphthalene	1040	µg/kg	7.21	1302	<4.16	80.2	54-99		
Nitrobenzene	1090	µg/kg	180	1302	<10.9	84.1	53-100		
n-Nitrosodi-n-propylamine	1070	µg/kg	35.7	1302	<5.37	82.5	52-104		
N-Nitrosodiphenylamine	1060	µg/kg	35.7	1302	<18.9	81.3	61-104		
Pentachlorophenol	813	µg/kg	35.7	1302	<25.9	62.4	35-100		
Phenanthrene	1010	µg/kg	7.21	1302	<3.03	77.6	64-101		
Phenol	1130	µg/kg	35.7	1302	<16.4	87.1	51-107		
Pyrene	1280	µg/kg	7.21	1302	14.6	97.1	52-114		
Pyridine	912	µg/kg	180	1302	<64.1	70.0	40-84		
Surr: 2,4,6-Tribromophenol	2720	µg/kg		3255.5		83.6	48-94		
Surr: 2-Fluorobiphenyl	2480	µg/kg		3255.5		76.3	50-103		
Surr: 2-Fluorophenol	2460	µg/kg		3255.5		75.4	43-105		
Surr: 4-Terphenyl-d14	2990	µg/kg		3255.5		91.7	55-111		
Surr: Nitrobenzene-d5	3070	µg/kg		3255.5		94.3	47-100		
Surr: Phenol-d6	2630	µg/kg		3255.5		80.6	49-110		

MSD		CLIENT ID: Batch QC				Lab ID: QC-2438891-006			
Method: EPA 8270E		Dilution: 1				Analysis Date: 02/04/26 16:00			
						Prep Date: 02/03/26 08:55			
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit Qual
1,1'-Biphenyl (BZ-0)	1170	µg/kg	35.4	1291.7	<5.41	90.2	57-101	2.93	30
1,2,4,5-Tetrachlorobenzene	1140	µg/kg	357	1291.7	<7.69	88.6	54-98	3.71	30
1-Methylnaphthalene	1140	µg/kg	7.16	1291.7	<4.80	87.9	56-100	3.56	30
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	1160	µg/kg	35.4	1291.7	<7.81	90.1	50-101	2.76	30
2,3,4,6-Tetrachlorophenol	1160	µg/kg	71.6	1291.7	<24.4	90.0	48-103	1.51	30
2,4,5-Trichlorophenol	1070	µg/kg	35.4	1291.7	<19.8	82.5	54-98	4.75	30
2,4,6-Trichlorophenol	1030	µg/kg	35.4	1291.7	<8.87	79.9	56-97	3.62	30
2,4-Dichlorophenol	1110	µg/kg	35.4	1291.7	<17.9	85.9	54-99	2.88	30
2,4-Dimethylphenol	954	µg/kg	35.4	1291.7	<17.1	73.9	47-102	14.0	30
2,4-Dinitrophenol	<244	µg/kg	357	1291.7	<244	8.35	10-100	0.797	30
2,4-Dinitrotoluene (2,4-DNT)	1040	µg/kg	35.4	1291.7	<21.6	80.3	62-105	2.04	30
2,6-Dinitrotoluene (2,6-DNT)	1110	µg/kg	35.4	1291.7	<8.51	85.7	62-103	2.35	30
2-Chloronaphthalene	968	µg/kg	7.16	1291.7	<4.66	74.9	57-101	3.92	30
2-Chlorophenol	1020	µg/kg	35.4	1291.7	<21.8	78.9	52-102	0.415	30
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	716	µg/kg	35.4	1291.7	<27.8	55.4	42-104	4.08	30
2-Methylnaphthalene	1130	µg/kg	7.16	1291.7	<3.39	87.2	55-102	2.88	30
2-Methylphenol (o-Cresol)	1040	µg/kg	35.4	1291.7	<9.01	80.5	54-103	5.02	30
2-Nitroaniline	902	µg/kg	35.4	1291.7	<18.5	69.9	57-103	3.07	30
2-Nitrophenol	1150	µg/kg	35.4	1291.7	<9.50	89.0	52-102	2.23	30
3&4-Methylphenol	1030	µg/kg	35.4	1291.7	<18.2	79.9	56-103	3.03	30
3,3'-Dichlorobenzidine	937	µg/kg	179	1291.7	<15.6	72.5	41-91	13.4	30

US

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

MSD	CLIENT ID: Batch QC	Lab ID: QC-2438891-006
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 16:00

Prep Date: 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
3-Nitroaniline	717	µg/kg	35.4	1291.7	<19.4	55.5	35-107	14.2	30	
4-Bromophenyl phenyl ether (BDE-3)	1150	µg/kg	35.4	1291.7	<18.3	89.2	63-104	3.32	30	
4-Chloro-3-methylphenol	1150	µg/kg	35.4	1291.7	<9.50	89.3	57-103	2.39	30	
4-Chloroaniline	1150	µg/kg	71.6	1291.7	<16.9	89.2	32-99	3.97	30	
4-Chlorophenyl phenylether	1080	µg/kg	35.4	1291.7	<9.21	83.5	62-100	2.80	30	
4-Nitroaniline	394	µg/kg	179	1291.7	<51.7	30.5	19-124	28.3	30	
4-Nitrophenol	989	µg/kg	357	1291.7	<78.1	76.6	44-106	4.39	30	
Acenaphthene	1040	µg/kg	7.16	1291.7	<4.82	80.2	60-101	4.58	30	
Acenaphthylene	1050	µg/kg	7.16	1291.7	<5.78	81.6	59-101	3.27	30	
Acetophenone	1060	µg/kg	35.4	1291.7	<5.22	82.2	54-102	0.736	30	
Anthracene	1110	µg/kg	7.16	1291.7	<4.70	85.6	63-96	2.77	30	
Atrazine	1330	µg/kg	35.4	1291.7	<19.5	103	60-110	2.82	30	
Benzaldehyde	211	µg/kg	71.6	1291.7	<51.2	16.4	10-143	21.3	30	
Benzo(a)anthracene	1110	µg/kg	7.16	1291.7	8.04	85.3	66-102	1.98	30	
Benzo(a)pyrene	1170	µg/kg	7.16	1291.7	8.77	90.0	66-105	2.12	30	
Benzo(b)fluoranthene	1020	µg/kg	7.16	1291.7	12.4	78.5	67-105	1.43	30	
Benzo(g,h,i)perylene	1190	µg/kg	7.16	1291.7	8.04	91.5	59-110	2.24	30	
Benzo(k)fluoranthene	1130	µg/kg	7.16	1291.7	<5.05	87.1	68-106	3.42	30	
bis(2-Chloroethoxy)methane	1160	µg/kg	35.4	1291.7	<21.1	90.1	54-102	2.76	30	
bis(2-Chloroethyl) ether	974	µg/kg	35.4	1291.7	<9.44	75.4	51-101	0.0650	30	
Butyl benzyl phthalate	1260	µg/kg	71.6	1291.7	<41.7	97.9	59-107	2.42	30	
Caprolactam	977	µg/kg	35.4	1291.7	<30.1	75.6	49-103	1.98	30	
Carbazole	1080	µg/kg	35.4	1291.7	<9.82	83.9	63-103	3.15	30	
Chrysene	1280	µg/kg	7.16	1291.7	<5.69	99.2	66-105	1.19	30	
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1330	µg/kg	35.4	1291.7	<27.6	103	63-101	1.77	30	S
Dibenz(a,h) anthracene	1170	µg/kg	35.4	1291.7	<3.60	90.7	61-109	2.00	30	
Dibenzofuran	1060	µg/kg	35.4	1291.7	<4.90	81.7	61-101	3.33	30	
Diethyl phthalate	1110	µg/kg	35.4	1291.7	<11.3	85.6	63-105	3.07	30	
Dimethyl phthalate	1090	µg/kg	35.4	1291.7	<6.50	84.7	64-104	3.55	30	
Fluoranthene	1110	µg/kg	7.16	1291.7	14.6	84.9	66-105	1.92	30	
Fluorene	1030	µg/kg	7.16	1291.7	<4.84	80.0	62-101	2.44	30	
Hexachlorobenzene	1140	µg/kg	35.4	1291.7	<9.70	88.4	61-104	2.42	30	
Hexachlorobutadiene	1140	µg/kg	35.4	1291.7	<7.85	88.3	52-99	4.02	30	
Hexachlorocyclopentadiene	990	µg/kg	35.4	1291.7	<32.6	76.7	39-106	3.26	30	
Hexachloroethane	992	µg/kg	35.4	1291.7	<13.8	76.8	59-99	0.340	30	
Indeno(1,2,3-cd) pyrene	1270	µg/kg	7.16	1291.7	11.0	97.7	57-114	3.62	30	
Isophorone	1140	µg/kg	179	1291.7	<6.51	88.5	55-101	2.19	30	
Methylphenol, Total	2070	µg/kg	67.0	2584.3	<9.01	80.1	54-103	4.03	30	
Naphthalene	1070	µg/kg	7.16	1291.7	<4.26	82.7	54-99	2.21	30	
Nitrobenzene	1120	µg/kg	179	1291.7	<11.2	86.6	53-100	2.13	30	
n-Nitrosodi-n-propylamine	1090	µg/kg	35.4	1291.7	<5.50	84.7	52-104	1.78	30	
N-Nitrosodiphenylamine	1110	µg/kg	35.4	1291.7	<19.3	85.8	61-104	4.59	30	
Pentachlorophenol	829	µg/kg	35.4	1291.7	<26.5	64.2	35-100	1.97	30	
Phenanthrene	1030	µg/kg	7.16	1291.7	<3.10	79.6	64-101	1.81	30	
Phenol	1140	µg/kg	35.4	1291.7	<16.7	88.6	51-107	0.911	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2438891

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3862010

MSD	CLIENT ID: Batch QC	Lab ID: QC-2438891-006
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/04/26 16:00

Prep Date: 02/03/26 08:55

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Pyrene	1310	µg/kg	7.16	1291.7	14.6	100	52-114	2.46	30	
Pyridine	913	µg/kg	179	1291.7	<65.6	70.7	40-84	0.198	30	
Surr: 2,4,6-Tribromophenol	2770	µg/kg		3229.7		85.9	48-94	1.92	30	
Surr: 2-Fluorobiphenyl	2570	µg/kg		3229.7		79.6	50-103	3.46	30	
Surr: 2-Fluorophenol	2480	µg/kg		3229.7		76.8	43-105	0.990	30	
Surr: 4-Terphenyl-d14	3050	µg/kg		3229.7		94.6	55-111	2.27	30	
Surr: Nitrobenzene-d5	3120	µg/kg		3229.7		96.6	47-100	1.61	30	
Surr: Phenol-d6	2650	µg/kg		3229.7		81.9	49-110	0.802	30	

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

Volatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2439596-001
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/04/26 09:28

Prep Date: 02/03/26 13:00

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



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

MB	CLIENT ID: Method Blank	Lab ID: QC-2439596-001
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/04/26 09:28

Prep Date: 02/03/26 13:00

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	1180	µg/kg		1000		118	80-120			
Surr: 4-Bromofluorobenzene	962	µg/kg		1000		96.2	80-120			
Surr: Dibromofluoromethane	1130	µg/kg		1000		113	72-120			
Surr: Toluene-d8	1010	µg/kg		1000		101	80-120			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2439596-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/04/26 09:28

Prep Date: 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1050	µg/kg	30.0	1000		105	75-121			
1,1,2,2-Tetrachloroethane	886	µg/kg	30.0	1000		88.6	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1270	µg/kg	30.0	1000		127	62-129			
1,1,2-Trichloroethane	858	µg/kg	30.0	1000		85.8	80-123			
1,1-Dichloroethane	1020	µg/kg	30.0	1000		102	74-124			
1,1-Dichloroethylene	1160	µg/kg	30.0	1000		116	68-131			
1,2,3-Trichlorobenzene	848	µg/kg	100	1000		84.8	60-135			
1,2,3-Trichloropropane	903	µg/kg	30.0	1000		90.3	77-121			
1,2,4-Trichlorobenzene	848	µg/kg	100	1000		84.8	63-130			
1,2,4-Trimethylbenzene	842	µg/kg	30.0	1000		84.2	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	867	µg/kg	100	1000		86.7	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	926	µg/kg	30.0	1000		92.6	63-155			
1,2-Dichlorobenzene (o-Dichlorobenzene)	896	µg/kg	30.0	1000		89.6	77-122			



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2439596-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/04/26 09:28

Prep Date: 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichloroethane (Ethylene dichloride)	1050	µg/kg	100	1000		105	70-130			
1,2-Dichloropropane	834	µg/kg	30.0	1000		83.4	71-130			
1,3,5-Trimethylbenzene	875	µg/kg	100	1000		87.5	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	876	µg/kg	30.0	1000		87.6	78-121			
1,3-Dichloropropene	1700	µg/kg	60.0	2000		85.1	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	880	µg/kg	30.0	1000		88.0	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	1160	µg/kg	200	1000		116	47-164			
2-Hexanone	1120	µg/kg	30.0	1000		112	70-137			
4-Methyl-2-pentanone (MIBK)	1680	µg/kg	30.0	1000		168	57-200			
Acetone	1400	µg/kg	100	1000		140	52-190			
Benzene	936	µg/kg	30.0	1000		93.6	78-122			
Bromochloromethane	1010	µg/kg	30.0	1000		101	68-130			
Bromodichloromethane	925	µg/kg	30.0	1000		92.5	75-125			
Bromoform	851	µg/kg	30.0	1000		85.1	59-120			
Carbon disulfide	1190	µg/kg	30.0	1000		119	60-163			
Carbon tetrachloride	1050	µg/kg	30.0	1000		105	69-123			
Chlorobenzene	861	µg/kg	30.0	1000		86.1	79-120			
Chlorodibromomethane	878	µg/kg	30.0	1000		87.8	57-123			
Chloroethane (Ethyl chloride)	1220	µg/kg	100	1000		122	38-132			
Chloroform	989	µg/kg	30.0	1000		98.9	72-122			
cis-1,2-Dichloroethylene	1030	µg/kg	30.0	1000		103	74-125			
cis-1,3-Dichloropropene	850	µg/kg	30.0	1000		85.0	62-124			
Dichlorodifluoromethane (Freon-12)	766	µg/kg	100	1000		76.6	28-137			
Ethylbenzene	884	µg/kg	30.0	1000		88.4	75-121			
Isopropylbenzene	876	µg/kg	30.0	1000		87.6	74-121			
m+p-Xylene	1780	µg/kg	60.0	2000		89.1	67-129			
Methyl acetate	987	µg/kg	250	1000		98.7	61-125			
Methyl bromide (Bromomethane)	1130	µg/kg	100	1000		113	31-169			
Methyl chloride (Chloromethane)	917	µg/kg	100	1000		91.7	24-119			
Methyl tert-butyl ether (MTBE)	1140	µg/kg	30.0	1000		114	79-139			
Methylene chloride (Dichloromethane)	980	µg/kg	250	1000		98.0	62-135			
o-Xylene	868	µg/kg	30.0	1000		86.8	75-120			
Styrene	842	µg/kg	30.0	1000		84.2	74-126			
Tetrachloroethylene (Perchloroethylene)	1160	µg/kg	30.0	1000		116	76-128			
Toluene	854	µg/kg	30.0	1000		85.4	76-120			
Total Xylene	2650	µg/kg	90.0	3000		88.3	67-129			
trans-1,2-Dichloroethylene	1010	µg/kg	30.0	1000		101	72-127			
trans-1,3-Dichloropropylene	852	µg/kg	30.0	1000		85.2	66-120			
Trichloroethene (Trichloroethylene)	910	µg/kg	30.0	1000		91.0	75-122			
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	1060	µg/kg	30.0	1000		106	51-115			
Vinyl chloride (Chloroethene)	981	µg/kg	30.0	1000		98.1	43-128			



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2439596-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/04/26 09:28

Prep Date: 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	1170	µg/kg		1000		117	80-120			
Surr: 4-Bromofluorobenzene	926	µg/kg		1000		92.6	80-120			
Surr: Dibromofluoromethane	1150	µg/kg		1000		115	72-120			
Surr: Toluene-d8	969	µg/kg		1000		96.9	80-120			

MS	CLIENT ID: 8192 SB01 (1-2')_20260202	Lab ID: QC-2439596-005
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/03/26 20:09

Prep Date: 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1220	µg/kg	38.7	998	<13.6	122	75-121			S
1,1,2,2-Tetrachloroethane	562	µg/kg	38.7	998	<13.2	56.3	79-125			S
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1560	µg/kg	38.7	998	<19.0	157	62-129			S
1,1,2-Trichloroethane	956	µg/kg	38.7	998	<12.7	95.8	80-123			
1,1-Dichloroethane	1190	µg/kg	38.7	998	<10.9	120	74-124			
1,1-Dichloroethylene	1390	µg/kg	38.7	998	<9.70	139	68-131			S
1,2,3-Trichlorobenzene	934	µg/kg	129	998	<35.9	93.6	60-135			
1,2,3-Trichloropropane	999	µg/kg	38.7	998	<12.5	100	77-121			
1,2,4-Trichlorobenzene	941	µg/kg	129	998	<33.9	94.3	63-130			
1,2,4-Trimethylbenzene	1010	µg/kg	38.7	998	<22.0	101	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	888	µg/kg	129	998	<27.6	89.0	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	1020	µg/kg	38.7	998	<17.6	102	63-155			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1010	µg/kg	38.7	998	<11.4	102	77-122			
1,2-Dichloroethane (Ethylene dichloride)	1190	µg/kg	129	998	<26.3	119	70-130			
1,2-Dichloropropane	946	µg/kg	38.7	998	<22.1	94.8	71-130			
1,3,5-Trimethylbenzene	1030	µg/kg	129	998	<21.1	103	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	982	µg/kg	38.7	998	<20.7	98.4	78-121			
1,3-Dichloropropene	1890	µg/kg	77.4	1996	<16.7	94.6	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	997	µg/kg	38.7	998	<24.3	99.8	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	1750	µg/kg	258	998	<71.3	172	47-164			S
2-Hexanone	1600	µg/kg	38.7	998	<14.9	161	70-137			S
4-Methyl-2-pentanone (MIBK)	1450	µg/kg	38.7	998	<27.9	145	57-200			
Acetone	3000	µg/kg	129	998	<88.9	301	52-190			S
Benzene	1070	µg/kg	38.7	998	<14.5	107	78-122			
Bromochloromethane	1120	µg/kg	38.7	998	<15.2	112	68-130			
Bromodichloromethane	1100	µg/kg	38.7	998	<16.8	110	75-125			
Bromoform	914	µg/kg	38.7	998	<12.6	91.6	59-120			
Carbon disulfide	1340	µg/kg	38.7	998	<15.5	135	60-163			
Carbon tetrachloride	1240	µg/kg	38.7	998	<11.7	124	69-123			S
Chlorobenzene	995	µg/kg	38.7	998	<9.94	99.6	79-120			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

MS	CLIENT ID: 8192 SB01 (1-2')_20260202	Lab ID: QC-2439596-005
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Method: EPA 8260D**Dilution:** 1**Analysis Date:** 02/03/26 20:09**Prep Date:** 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chlorodibromomethane	1000	µg/kg	38.7	998	<16.8	101	57-123			
Chloroethane (Ethyl chloride)	<83.8	µg/kg	129	998	<83.8	9.70	38-132			SU
Chloroform	1160	µg/kg	38.7	998	<11.0	116	72-122			
cis-1,2-Dichloroethylene	1160	µg/kg	38.7	998	<19.3	116	74-125			
cis-1,3-Dichloropropene	947	µg/kg	38.7	998	<22.6	94.9	62-124			
Dichlorodifluoromethane (Freon-12)	344	µg/kg	129	998	<36.2	34.4	28-137			
Ethylbenzene	1060	µg/kg	38.7	998	<21.2	106	75-121			
Isopropylbenzene	1050	µg/kg	38.7	998	<18.9	105	74-121			
m+p-Xylene	2140	µg/kg	77.4	1996	<39.9	107	67-129			
Methyl acetate	1290	µg/kg	322	998	<35.8	129	61-125			S
Methyl bromide (Bromomethane)	199	µg/kg	129	998	<57.3	20.0	31-169			S
Methyl chloride (Chloromethane)	997	µg/kg	129	998	<81.8	99.9	24-119			
Methyl tert-butyl ether (MTBE)	1230	µg/kg	38.7	998	<21.8	124	79-139			
Methylene chloride (Dichloromethane)	892	µg/kg	322	998	<79.5	89.4	62-135			
o-Xylene	1020	µg/kg	38.7	998	<11.6	102	75-120			
Styrene	1000	µg/kg	38.7	998	<11.9	100	74-126			
Tetrachloroethylene (Perchloroethylene)	2040	µg/kg	38.7	998	<18.0	205	76-128			S
Toluene	1020	µg/kg	38.7	998	<24.7	102	76-120			
Total Xylene	3160	µg/kg	116	2994	<11.6	105	67-129			
trans-1,2-Dichloroethylene	1150	µg/kg	38.7	998	<24.7	116	72-127			
trans-1,3-Dichloropropylene	942	µg/kg	38.7	998	<16.7	94.4	66-120			
Trichloroethene (Trichloroethylene)	1410	µg/kg	38.7	998	<13.4	142	75-122			S
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	1470	µg/kg	38.7	998	<15.3	148	51-115			S
Vinyl chloride (Chloroethene)	449	µg/kg	38.7	998	<19.9	45.0	43-128			
Surr: 1,2-Dichloroethane-d4	1220	µg/kg		998		122	80-120			S
Surr: 4-Bromofluorobenzene	951	µg/kg		998		95.2	80-120			
Surr: Dibromofluoromethane	1090	µg/kg		998		109	72-120			
Surr: Toluene-d8	975	µg/kg		998		97.7	80-120			

MSD	CLIENT ID: 8192 SB01 (1-2')_20260202	Lab ID: QC-2439596-006
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Method: EPA 8260D**Dilution:** 1**Analysis Date:** 02/03/26 20:29**Prep Date:** 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1300	µg/kg	38.7	998	<13.6	130	75-121	6.90	30	S
1,1,2,2-Tetrachloroethane	532	µg/kg	38.7	998	<13.2	53.3	79-125	5.47	30	S
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1740	µg/kg	38.7	998	<19.0	174	62-129	10.5	30	S
1,1,2-Trichloroethane	1050	µg/kg	38.7	998	<12.8	105	80-123	9.54	30	
1,1-Dichloroethane	1270	µg/kg	38.7	998	<10.9	127	74-124	5.84	30	S
1,1-Dichloroethylene	1490	µg/kg	38.7	998	<9.72	149	68-131	6.85	30	S
1,2,3-Trichlorobenzene	1020	µg/kg	129	998	<36.0	102	60-135	8.84	30	
1,2,3-Trichloropropane	1080	µg/kg	38.7	998	<12.6	108	77-121	8.05	30	
1,2,4-Trichlorobenzene	1010	µg/kg	129	998	<34.0	101	63-130	7.26	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

MSD	CLIENT ID: 8192 SB01 (1-2')_20260202	Lab ID: QC-2439596-006
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/03/26 20:29

Prep Date: 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	1080	µg/kg	38.7	998	<22.0	109	64-126	7.54	30	
1,2-Dibromo-3-chloropropane (DBCP)	914	µg/kg	129	998	<27.6	91.6	55-135	2.82	30	
1,2-Dibromoethane (EDB, Ethylene dibromide)	1110	µg/kg	38.7	998	<17.6	111	63-155	7.74	30	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1060	µg/kg	38.7	998	<11.4	107	77-122	4.80	30	
1,2-Dichloroethane (Ethylene dichloride)	1290	µg/kg	129	998	<26.3	130	70-130	8.69	30	
1,2-Dichloropropane	1050	µg/kg	38.7	998	<22.1	105	71-130	10.1	30	
1,3,5-Trimethylbenzene	1110	µg/kg	129	998	<21.2	111	66-130	7.94	30	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1050	µg/kg	38.7	998	<20.7	106	78-121	7.01	30	
1,3-Dichloropropene	2040	µg/kg	77.4	1996	<16.8	102	62-124	7.77	30	
1,4-Dichlorobenzene (p-Dichlorobenzene)	1060	µg/kg	38.7	998	<24.4	106	78-122	5.83	30	
2-Butanone (Methyl ethyl ketone, MEK)	1830	µg/kg	258	998	<71.4	180	47-164	4.71	30	S
2-Hexanone	1740	µg/kg	38.7	998	<14.9	174	70-137	8.00	30	S
4-Methyl-2-pentanone (MIBK)	1540	µg/kg	38.7	998	<28.0	154	57-200	5.91	30	
Acetone	3230	µg/kg	129	998	<89.0	324	52-190	7.24	30	S
Benzene	1150	µg/kg	38.7	998	<14.5	115	78-122	6.99	30	
Bromochloromethane	1180	µg/kg	38.7	998	<15.3	118	68-130	5.57	30	
Bromodichloromethane	1170	µg/kg	38.7	998	<16.8	117	75-125	5.99	30	
Bromoform	997	µg/kg	38.7	998	<12.6	99.8	59-120	8.67	30	
Carbon disulfide	1440	µg/kg	38.7	998	<15.5	145	60-163	7.20	30	
Carbon tetrachloride	1300	µg/kg	38.7	998	<11.7	131	69-123	4.98	30	S
Chlorobenzene	1060	µg/kg	38.7	998	<9.96	107	79-120	6.83	30	
Chlorodibromomethane	1050	µg/kg	38.7	998	<16.8	106	57-123	4.71	30	
Chloroethane (Ethyl chloride)	149	µg/kg	129	998	<84.0	14.9	38-132	NC		S
Chloroform	1220	µg/kg	38.7	998	<11.0	122	72-122	5.22	30	
cis-1,2-Dichloroethylene	1230	µg/kg	38.7	998	<19.3	123	74-125	5.88	30	
cis-1,3-Dichloropropene	1010	µg/kg	38.7	998	<22.6	102	62-124	6.87	30	
Dichlorodifluoromethane (Freon-12)	324	µg/kg	129	998	<36.3	32.4	28-137	5.98	30	
Ethylbenzene	1150	µg/kg	38.7	998	<21.3	115	75-121	8.41	30	
Isopropylbenzene	1150	µg/kg	38.7	998	<19.0	115	74-121	9.04	30	
m+p-Xylene	2300	µg/kg	77.4	1996	<40.0	115	67-129	7.47	30	
Methyl acetate	1310	µg/kg	322	998	<35.9	132	61-125	2.11	30	S
Methyl bromide (Bromomethane)	283	µg/kg	129	998	<57.4	28.4	31-169	35.0	30	RS
Methyl chloride (Chloromethane)	900	µg/kg	129	998	<82.0	90.2	24-119	10.2	30	
Methyl tert-butyl ether (MTBE)	1320	µg/kg	38.7	998	<21.9	132	79-139	6.61	30	
Methylene chloride (Dichloromethane)	933	µg/kg	322	998	<79.6	93.5	62-135	4.54	30	
o-Xylene	1110	µg/kg	38.7	998	<11.6	111	75-120	8.20	30	
Styrene	1090	µg/kg	38.7	998	<11.9	109	74-126	8.73	30	
Tetrachloroethylene (Perchloroethylene)	2190	µg/kg	38.7	998	<18.1	220	76-128	7.14	30	S
Toluene	1100	µg/kg	38.7	998	<24.7	111	76-120	7.70	30	
Total Xylene	3410	µg/kg	116	2994	<11.6	114	67-129	7.70	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8192 Woodlawn
Matrix: SOIL/SOLID
QC Lot: 2439596

Work Order: HN2601482
Date Collected: NA
Date Received: NA
Run ID: 3859188

MSD	CLIENT ID: 8192 SB01 (1-2')_20260202	Lab ID: QC-2439596-006
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/03/26 20:29

Prep Date: 02/03/26 13:00

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
trans-1,2-Dichloroethylene	1250	µg/kg	38.7	998	<24.8	125	72-127	8.05	30	
trans-1,3-Dichloropropylene	1030	µg/kg	38.7	998	<16.8	103	66-120	8.67	30	
Trichloroethene (Trichloroethylene)	1590	µg/kg	38.7	998	<13.4	159	75-122	11.5	30	S
Trichlorofluoromethane	1550	µg/kg	38.7	998	<15.3	155	51-115	4.92	30	S
(Fluorotrichloromethane, Freon 11)										
Vinyl chloride (Chloroethene)	454	µg/kg	38.7	998	<19.9	45.5	43-128	1.22	30	
Surr: 1,2-Dichloroethane-d4	1230	µg/kg		998		123	80-120	0.979	30	S
Surr: 4-Bromofluorobenzene	970	µg/kg		998		97.2	80-120	2.03	30	
Surr: Dibromofluoromethane	1120	µg/kg		998		112	72-120	2.61	30	
Surr: Toluene-d8	1010	µg/kg		998		101	80-120	3.42	30	

The following samples were analyzed in this batch: HN2601482-001, HN2601482-002, HN2601482-003