

DRAFT

FILL MATERIAL SAMPLING REPORT

4551 25TH STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48208



APRIL 15, 2026

PREPARED FOR:

THE CITY OF DETROIT DEMOLITION DEPARTMENT

1301 THIRD STREET, SUITE 606

DETROIT, MICHIGAN 48226



FILL MATERIAL SAMPLING REPORT

4551 25TH STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48208

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EXECUTIVE SUMMARY

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to perform sampling and analysis of fill materials at the property commonly addressed as 4551 25th 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 4551 SB01, 4551 SB02, and 4551 SB03 generally consisted of brown sand and brown and gray sandy clay to six (6) feet below ground surface (bgs), the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, asphalt, brick, and/or concrete debris were observed in 4551 SB01, 4551 SB02, and/or 4551 SB03.
- Concentrations of arsenic, chromium (Total), lead, mercury, and zinc were detected in soil samples 4551 SB01 (1-2')_20260217, 4551 SB02 (3-4')_20260217, and/or 4551 SB03 (5-6')_20260217 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 mercury and naphthalene were detected in soil sample 4551 SB01 (1-2')_20260217 in excess of their respective soil volatilization to indoor air pathway (SVIAP).
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, 4,4'-DDE, 4,4-DDT, acenaphthene, acenaphthylene, anthracene, 4-methylphenol, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, bis(2-ethylhexyl) phthalate, cadmium, caprolactam, carbazole, chloride, chrysene, copper, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected in soil samples 4551 SB01 (1-2')_20260217, 4551 SB02 (3-4')_20260217, and/or 4551 SB03 (5-6')_20260217 at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- Toxicity Characteristic Leaching Procedure (TCLP) laboratory analytical results revealed that concentrations of lead are exceeding 40 C.F.R. § 261.24 Title 40 - *Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste*.
- VOCs, PCBs, and herbicides were not detected above laboratory method detection reporting limits.

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

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

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

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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 4551 25th 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 17, 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 17, 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 4551 SB01, 4551 SB02, and 4551 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 4551 SB01 (1-2')_20260217, 4551 SB02 (3-4')_20260217, and 4551 SB03 (5-6')_20260217, were collected as part of this investigation. These soil samples were submitted to ALS Environmental Laboratory (ALS) in Holland, Michigan for laboratory analysis of the following parameters per the requested parameters as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and individual TCLP analysis:

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

3.5 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 17, 2026.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 4551 SB01, 4551 SB02, and 4551 SB03 generally consisted of brown sand and brown and gray sandy clay to six (6) feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, asphalt, brick, and/or concrete debris were observed in 4551 SB01, 4551 SB02, and/or 4551 SB03.

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

4.2 Soil Sample Analytical Results

Three (3) soil samples, designated 4551 SB01 (1-2')_20260217, 4551 SB02 (3-4')_20260217, and 4551 SB03 (5-6')_20260217, were collected from the Site and submitted to ALS for laboratory analysis of VOCs, SVOCs, PCBs, Michigan 10 Metals, chloride, herbicides, and pesticides.

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

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

Chemical	CAS Number	Soil Sample (feet bgs)	Part 201 GRCC Exceeded / Concentration ($\mu\text{g}/\text{kg}^1$)	Maximum Detected Concentration ($\mu\text{g}/\text{kg}$)
Arsenic	7440-38-2	4551 SB01 (1-2)_20260217 4551 SB02 (3-4)_20260217 4551 SB03 (5-6)_20260217	GSIPC ² / 4,600 DWPC ³ / 4,600 DCC ⁴ / 7,600	9,510
Chromium (Total)	7440-47-3	4551 SB01 (1-2)_20260217 4551 SB03 (5-6)_20260217	GSIPC / 4,600 DWPC / 4,600	36,000
Lead	7439-92-1	4551 SB01 (1-2)_20260217	DCC / 400,000	424,000
Mercury	7439-97-6	4551 SB01 (1-2)_20260217	GSIPC / 50	208
Zinc	7440-66-6	4551 SB01 (1-2)_20260217 4551 SB02 (3-4)_20260217	GSIPC / 160,000	347,000

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

²GSIPC – Groundwater Surface Water Interface Protection Criteria

³DWPC – Drinking Water Protection Criteria

⁴DCC – Direct Contact Criteria

4.3 Toxicity Characteristic Leaching Procedure (TCLP) Analytical Results

Lead was analyzed following leach testing using USEPA method EPA 6020 B. Laboratory results are summarized and compared to 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261 - Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste in Table 2, TCLP Analytical Detection Summary Table. Upon comparison, the laboratory analytical results revealed that concentrations of lead are exceeding 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste.

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

4.4 Exposure Evaluation

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

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

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 4551 SB01, 4551 SB02, and 4551 SB03 generally consisted of brown sand and brown and gray sandy clay to six (6) feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, asphalt, brick, and/or concrete debris were observed in 4551 SB01, 4551 SB02, and/or 4551 SB03.
- Concentrations of arsenic, chromium (Total), lead, mercury, and zinc were detected in soil samples 4551 SB01 (1-2')_20260217, 4551 SB02 (3-4')_20260217, and/or 4551 SB03 (5-6')_20260217 in excess of Part 201 GSIPC, DWPC, and/or DCC.
- Concentrations of mercury and naphthalene were detected in soil sample 4551 SB01 (1-2')_20260217 in excess of their respective SVIAP.
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, 4,4'-DDE, 4,4-DDT, acenaphthene, acenaphthylene, anthracene, 4-methylphenol, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, bis(2-ethylhexyl) phthalate, cadmium, caprolactam, carbazole, chloride, chrysene, copper, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected in soil samples 4551 SB01 (1-2')_20260217, 4551 SB02 (3-4')_20260217, and/or 4551 SB03 (5-6')_20260217 at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.

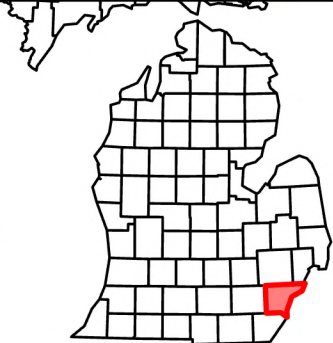
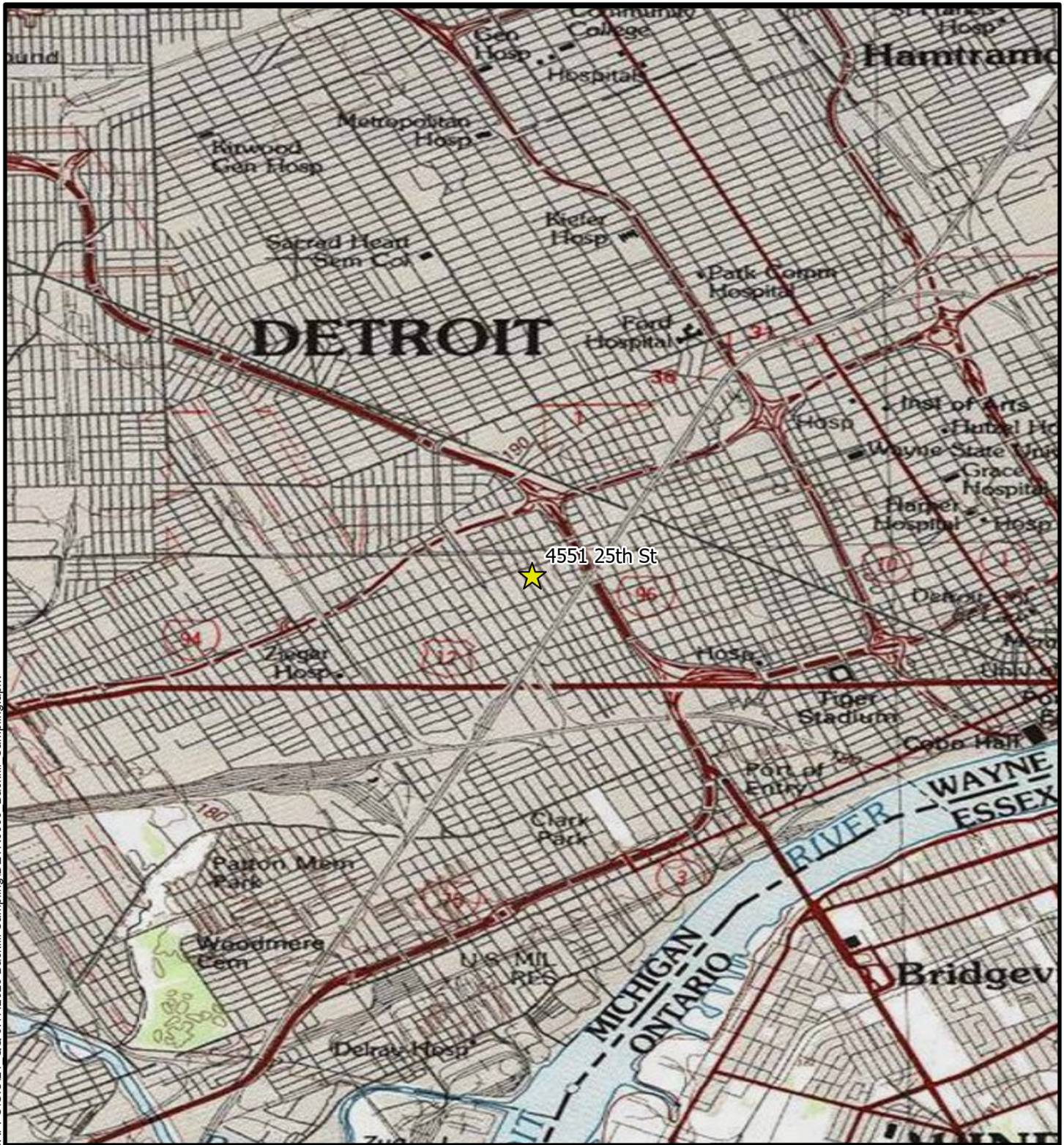
- TCLP laboratory analytical results revealed that concentrations of lead are exceeding 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste.
- VOCs, PCBs, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the DW exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface water exposure pathway can be considered not applicable. Since the building on site has been razed, the SVIAP is not currently complete, however, consideration may need to be given to this pathway if future construction is planned. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

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

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

FIGURES





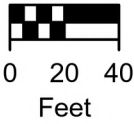
★ Site Location



FIGURE 1
SITE LOCATION

4551 25th St, Detroit, MI

DATE 1/8/2026	DRAWN BY JWW	DESIGNED BY JWW	PROJECT NO. DETR0060
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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

4551 25th St, Detroit, MI

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



Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
4551 25th St, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 and Volatilization to Indoor Air Pathway Screening Levels Revised February 26, 2024			Inorganic Anions/Ions	Metals							Pesticides			
			Chloride	Arsenic (B)	Barium (B)	Cadmium (B)	Chromium, Total (B)	Copper (B)	Lead (B)	Mercury (B)	Zinc (B)	4,4'-DDE	4,4'-DDT	4,4'-DDD
CAS Number			16887-00-6	7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-50-8	7439-92-1	7439-97-6	7440-66-6	72-55-9	50-29-3	72-54-8
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Statewide Default Background Levels			NC	5,800	75,000	1,200	18,000	32,000	21,000	130	47,000	NC	NC	NC
Drinking Water Protection Criteria (DWPC)			5.00E+06	4,600	1.30E+06	6,000	30,000	5.80E+06	7.00E+05	1,700	2.40E+06	NLL	NLL	NLL
Groundwater Surface Water Interface Protection Criteria (GSIPC)			NC	4,600	4.40E+05 ^(G)	3,600 ^(G)	3,300	75,000 ^(G)	6.00E+06 ^(G)	50 ^(M;1.2)	1.60E+05	NLL	NLL	NLL
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NC	NLV	NLV	NLV	NC	NLV	NLV	48,000	NC	NLV	NLV	NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)			NC	NC	NC	NC	NC	NC	NC	22 ^(M)	NC	39,000	NC	NC
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NC	NLV	NLV	NLV	NC	NLV	NLV	52,000	NC	NLV	NLV	NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NC	NLV	NLV	NLV	NC	NLV	NLV	52,000	NC	NLV	NLV	NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NC	NLV	NLV	NLV	NC	NLV	NLV	52,000	NC	NLV	NLV	NLV
Particulate Soil Inhalation Criteria (PSIC)			NC	7.20E+05	3.30E+08	1.70E+06	2.60E+05	1.30E+08	1.00E+08	2.00E+07	NC	3.20E+07	3.20E+07	4.40E+07
Direct Contact Criteria (DCC)			5.00E+05	7,600	3.70E+07	5.50E+05	2.50E+06	2.00E+07	4.00E+05	1.60E+05	1.70E+08	45,000	57,000	95,000
Soil Saturation Concentration Screening Levels (Csat)			NC	NA	NA	NA	NC	NA	NA	NA	NC	NA	NA	NA
Sample ID	Sample Depth (ft)	Sample Date												
4551 SB01	1.0 - 2.0	02/17/2026	12,900	7,560	187,000	1,450	36,600	38,500	424,000	208	347,000	32.3	63.7	<17.8
4551 SB02	3.0 - 4.0	02/17/2026	<4,030	5,820	52,200	<219	14,000	16,300	137,000	69.6	193,000	<21.3	32.6	49.9
4551 SB03	5.0 - 6.0	02/17/2026	<3,840	9,510	120,000	<225	27,400	20,900	14,700	<13.7	66,900	<19.9	<20.1	<19.3

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
4551 25th St, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 and Volatilization to Indoor Air Pathway Screening Levels Revised February 26, 2024			Semivolatile Organic Compounds (SVOCs)																				
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(A)Anthracene	Benzo(A)Pyrene	Benzo(B)Fluoranthene	Benzo(G,H,I)Perylene	Benzo(K)Fluoranthene	Carbazole	Chrysene	Dibenzo(A,H)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-Cd)Pyrene	Naphthalene	Phenanthrene	Pyrene		
CAS Number			90-12-0	91-57-6	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	86-74-8	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	91-20-3	85-01-8	129-00-0		
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Statewide Default Background Levels			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
Drinking Water Protection Criteria (DWPC)			NC	57,000	3.00E+05	5,900	41,000	NLL	NLL	NLL	NLL	NLL	9,400	NLL	NLL	7.30E+05	3.90E+05	NLL	35,000	56,000	4.80E+05		
Groundwater Surface Water Interface Protection Criteria (GSIPC)			NC	4,200	8,700	ID	ID	NLL	NLL	NLL	NLL	NLL	1,100	NLL	NLL	5,500	5,300	NLL	730	2,100	ID		
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NC	2.70E+06	1.90E+08	1.60E+06	1.00E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	1.00E+09	5.80E+08	NLV	2.50E+05	2.80E+06	1.00E+09		
Soil Volatilization to Indoor Air Pathway (SVIAP)			NC	1,700	2.00E+05	NC	1.30E+07	1.60E+05 ^(M)	NC	NC	NC	NC	NC	NC	NC	NC	4.70E+05	NC	67 ^(M)	1,700	2.50E+07		
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NC	1.50E+06	8.10E+07	2.20E+06	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08		
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NC	1.50E+06	8.10E+07	2.20E+06	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08		
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NC	1.50E+06	8.10E+07	2.20E+06	1.40E+09	NLV	NLV	ID	NLV	NLV	NLV	ID	NLV	7.40E+08	1.30E+08	NLV	3.00E+05	1.60E+05	6.50E+08		
Particulate Soil Inhalation Criteria (PSIC)			NC	6.70E+08	1.40E+10	2.30E+09	6.70E+10	ID	1.50E+06	ID	8.00E+08	ID	6.20E+07	ID	ID	9.30E+09	9.30E+09	ID	2.00E+08	6.70E+06	6.70E+09		
Direct Contact Criteria (DCC)			NC	8.10E+06	4.10E+07	1.60E+06	2.30E+08	20,000	2,000	20,000	2.50E+06	2.00E+05	5.30E+05	2.00E+06	2,000	4.60E+07	2.70E+07	20,000	1.60E+07	1.60E+06	2.90E+07		
Soil Saturation Concentration Screening Levels (Csat)			NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sample ID	Sample Depth (ft)		Sample Date																				
4551 SB01	1.0 - 2.0		02/17/2026		59.9	87	92.8	48.3	286	1,050	1,070	1,400	638	472	135	1,040	157	2,180	85.1	663	79.3	1,330	2,120
4551 SB02	3.0 - 4.0		02/17/2026		<14.3	25.8	<14.4	<17.2	23.8	71.5	75.5	105	69.5	39.7	<29.3	69.5	<10.7	129	<14.4	61.6	<12.7	85.4	145
4551 SB03	5.0 - 6.0		02/17/2026		<14.9	<10.5	<14.9	<17.9	<14.6	<17.8	<12.7	<15.4	<15.8	<15.6	<30.4	<16.7	<11.2	<9.92	<15	<14.4	<13.2	<9.61	<10.3

Notes

Only parameters with one or more detections are shown.

ug/kg = Micrograms per Kilogram.

Exceeds Generic Drinking Water Protection Criteria.

Exceeds Groundwater Surface Water Interface Protection Criteria.

Exceeds Applicable Soil Vapor Inhalation Criteria/Screening Levels.

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

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

Bold indicates concentration above laboratory reporting limits.

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

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

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

Notes in parentheses and standard abbreviations from Part 201 Rules 299.1

through 299.50, updated October 12, 2023.

Table 2
TCLP Analytical Detection Summary

Detroit Backfill Sampling
4551 25th, Detroit, Michigan

40 C.F.R. § 261.24 Code of Federal Regulations Title 40 - Protection of Environment Chapter I - Environmental Protection Agency Subchapter I - Solid Wastes Part 261- Identification and Listing of Hazardous Waste Subpart C - Characteristics of Hazardous Waste <i>Units: mg/L</i>		TCLP Metals
Maximum Concentration of Contaminants for the Toxicity Characteristic		5.00
SAMPLE ID	SAMPLE DATE	
4551 SB01 (1-2')_20260217	2/17/2026	7.29

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

APPENDIX A

LIMITATIONS



LIMITATIONS

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

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

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

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

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

APPENDIX B

DAILY FIELD REPORT





DAILY FIELD REPORT

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

Report No.: 1
Job No.: DETR0060

Date: <u>02/17/2026</u>	Day: <u>Tuesday</u>	Temp: <u>N/A</u> (AM) <u>40° F</u> (PM)
MSG Personnel: <u>SRK, BJ, RS</u>	Cloud Cover: <u>N/A</u> (AM) <u>100%</u> (PM)	Precip.: <u>N/A</u> (AM) <u>N/A</u> (PM)
Personnel: <u>MSG</u>		
MSG Hours On-Site: <u>~ 1 hours</u>		

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

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

Field Notes:
1232 – SRK, BJ, and RS onsite (4551 25th Street) 1235 – Unloaded and prepared equipment 1240 – Began drilling SB01 1242 – Finished drilling SB01 1244 – Began drilling SB02 1246 – Finished drilling SB02 1250 – Sampled 4551 SB01 (1-2')_20260217 1252 – Began drilling SB03 1254 – Finished drilling SB03 1304 – Sampled 4551 SB02 (3-4')_20260217 1315 – Sampled 4551 SB03 (5-6')_20260217 1318 – Packed up equipment 1322 – MSG off site

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

APPENDIX C

INVESTIGATION PHOTOGRAPHS





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



Photo 2: View of drilling at 4551 SB01, facing north.



Photo 3: Viewing 4551 SB01 soil recovery, facing southwest.



Photo 4: View of drilling at 4551 SB02, facing north.



Photo 5: Viewing 4551 SB02 soil recovery, facing southwest.



Photo 6: View of drilling at 4551 SB03, facing north.



Photo 7: Viewing 4551 SB03 soil recovery, facing southwest.



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

APPENDIX D

SOIL BORING LOGS





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

BOREHOLE NUMBER SB03

Sheet 1 of 1

CLIENT City of Detroit
PROJECT NUMBER DETR0060_4551 25th St
DATE STARTED 02-17-2026 **COMPLETED** 02-17-2026
DRILLING CONTRACTOR MSG
DRILLING METHOD Direct Push
EQUIPMENT Geoprobe 7822DT **Operator** RS

PROJECT NAME Backfill Soil Sampling
PROJECT LOCATION 4551 25th St, Detroit, MI
POSITION _____
SURFACE ELEVATION _____ **FINAL DEPTH** 6.0 ft
LOGGED BY SRK **CHECKED BY** PDH
REMARKS _____

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
				Dark Brown, Gravelly SAND, Some Concrete Debris, Some Asphalt Debris, Moist		
			1.0	Brown, SAND, Moist	0	
					0	
			3.0	Brown and Gray Mottled, CLAY, Trace Gravel, Dry	0	
					0	
5		83			0	Collected Soil Sample 4551 SB03 (5-6') _20260217 at 1315
			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 27, 2026

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

Re: **4551 25th St**

Date Received: **02/18/2026**

Work Order: **HN2602410**

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: 4551 25th St

Work Order: HN2602410
Date Received: 18-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 18-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: HN2602410

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

Organics

EPA 8270E-FULL HN-3546-S

Run ID: 3904123

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

Metals

EPA 6020B-3050B-S

Run ID: 3900576

Sample HN2602410-001: The reporting limits are elevated for Se and Ag due to the dilutions needed for high concentrations of non-target analytes.

Samples HN2602410-002 and -003: The reporting limits are elevated for Cd, Se and Ag due to the dilutions needed for high concentrations of non-target

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: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Results	Flag	MRL	Units	Method
1-Methylnaphthalene	59.9		19.3	µg/kg	EPA 8270E
2-Methylnaphthalene	87.0		19.3	µg/kg	EPA 8270E
4,4'-DDE	32.3		27.8	µg/kg	EPA 8081B
4,4'-DDT	63.7		27.8	µg/kg	EPA 8081B
Acenaphthene	92.8		19.3	µg/kg	EPA 8270E
Acenaphthylene	48.3		19.3	µg/kg	EPA 8270E
Anthracene	286		19.3	µg/kg	EPA 8270E
Arsenic	7.56		3.33	mg/kg	EPA 6020B
Barium	187		3.33	mg/kg	EPA 6020B
Benzo(a)anthracene	1050		19.3	µg/kg	EPA 8270E
Benzo(a)pyrene	1070		19.3	µg/kg	EPA 8270E
Benzo(b)fluoranthene	1400		19.3	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	638		19.3	µg/kg	EPA 8270E
Benzo(k)fluoranthene	472		19.3	µg/kg	EPA 8270E
Cadmium	1.45		1.33	mg/kg	EPA 6020B
Carbazole	135		95.7	µg/kg	EPA 8270E
Chloride	12.9		11.4	mg/kg	EPA 9056A
Chromium	36.6		3.33	mg/kg	EPA 6020B
Chrysene	1040		19.3	µg/kg	EPA 8270E
Copper	38.5		3.33	mg/kg	EPA 6020B
Dibenz(a,h) anthracene	157		95.7	µg/kg	EPA 8270E
Fluoranthene	2180		19.3	µg/kg	EPA 8270E
Fluorene	85.1		19.3	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	663		19.3	µg/kg	EPA 8270E
Lead	424	*	3.33	mg/kg	EPA 6020B
Mercury	0.208		0.0200	mg/kg	EPA 7471B
Naphthalene	79.3		19.3	µg/kg	EPA 8270E
Percent Moisture	14.1		0.5	%	EPA 3550C
Phenanthrene	1330		19.3	µg/kg	EPA 8270E
Pyrene	2120		19.3	µg/kg	EPA 8270E
Zinc	347		6.67	mg/kg	EPA 6020B

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Results	Flag	MRL	Units	Method
2-Methylnaphthalene	25.8		19.9	µg/kg	EPA 8270E
4,4'-DDD	49.9		32.3	µg/kg	EPA 8081B
4,4'-DDT	32.6		32.3	µg/kg	EPA 8081B
Anthracene	23.8		19.9	µg/kg	EPA 8270E
Arsenic	5.82		3.65	mg/kg	EPA 6020B
Barium	52.2		3.65	mg/kg	EPA 6020B
Benzo(a)anthracene	71.5		19.9	µg/kg	EPA 8270E

SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

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



CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Results	Flag	MRL	Units	Method
Benzo(a)pyrene	75.5		19.9	µg/kg	EPA 8270E
Benzo(b)fluoranthene	105		19.9	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	69.5		19.9	µg/kg	EPA 8270E
Benzo(k)fluoranthene	39.7		19.9	µg/kg	EPA 8270E
Chromium	14.0		3.65	mg/kg	EPA 6020B
Chrysene	69.5		19.9	µg/kg	EPA 8270E
Copper	16.3		3.65	mg/kg	EPA 6020B
Fluoranthene	129		19.9	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	61.6		19.9	µg/kg	EPA 8270E
Lead	137	*	3.65	mg/kg	EPA 6020B
Mercury	0.0696		0.0200	mg/kg	EPA 7471B
Percent Moisture	24.1		0.5	%	EPA 3550C
Phenanthrene	85.4		19.9	µg/kg	EPA 8270E
Pyrene	145		19.9	µg/kg	EPA 8270E
Zinc	193		7.31	mg/kg	EPA 6020B

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Results	Flag	MRL	Units	Method
Arsenic	9.51		3.75	mg/kg	EPA 6020B
Barium	120		3.75	mg/kg	EPA 6020B
Chromium	27.4		3.75	mg/kg	EPA 6020B
Copper	20.9		3.75	mg/kg	EPA 6020B
Lead	14.7		3.75	mg/kg	EPA 6020B
Percent Moisture	20.0		0.5	%	EPA 3550C
Zinc	66.9		7.50	mg/kg	EPA 6020B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Workorder: HN2602410

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2602410-001	4551 SB01 (1-2')_20260217	SOIL/SOLID	02/17/26 12:50	02/18/26 08:00
HN2602410-002	4551 SB02 (3-4')_20260217	SOIL/SOLID	02/17/26 13:04	02/18/26 08:00
HN2602410-003	4551 SB03 (5-6')_20260217	SOIL/SOLID	02/17/26 13:15	02/18/26 08:00



ental

on:

Chain of Custody Form

Page 1 of 1

ALS Project Manager:							Work Order #:											
Project Information							Parameter/Method Request for Analysis											
Project Name		4551 25th St					A		VOCs (U.S. EPA Method 8260C (or Method 8260))									
Project Number		DETR0060					B		SVOCs (U.S. EPA Method 8270D (or Method 8270))									
Billed To Company		Mannik Smith Group					C		PCBs (U.S. EPA Method 8082)									
Invoice Attn:							D		Mi 10 Metals (U.S. EPA 6000/7000 Series Methods)									
Address		2365 South Haggerty Road					E		Chlorides (U.S. EPA Method 9056A)									
Address		2365 South Haggerty Road					F		Pesticides (U.S. EPA Method 8081B (or Method 8081))									
City/State/Zip		Canton, Mi 48188					G		Herbicides (U.S. EPA Method 8151A (or Method 8151))									
Phone		734-397-3100					H											
Fax							I											
e-Mail Address		rmontri@mannaiksmithgroup.com					J											
e-Mail Address		omitchell@mannaiksmithgroup.com																
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	4551 SB01 (1-2 ')_20260217	02/17/26	1250	Soil	7	3	✓	✓	✓	✓	✓	✓	✓					
2	4551 SB02 (3-4 ')_20260217	02/17/26	1304	Soil	7	3	✓	✓	✓	✓	✓	✓	✓					
3	4551 SB03 (5-6 ')_20260217	02/17/26	1315	Soil	7	3	✓	✓	✓	✓	✓	✓	✓					
4																		
5																		
6																		
7																		
8																		
9																		
10																		
Sampler(s): Please Print & Sign <i>Samir Kacem</i>				Shipment Method:		Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour				Results Due Date:								
Relinquished by: <i>Samir Kacem</i>		Date: 2/17/26	Time: 1520	Received by: <i>[Signature]</i>			Notes: Reid 2/18/26 0800 020 L											
Relinquished by: <i>[Signature]</i>		Date: 2/17/26	Time: 16:05	Received by (Laboratory): <i>[Signature]</i>			Cooler Temp. 12.6 3.1°C				QC Package: (Check Box Below)							
Logged by (Laboratory): DES		Date: 2/18/26	Time: 0930	Checked by (Laboratory):							Level II: Standard QC		TRRP-Checklist					
											Level III: Std QC + Raw Data		TRRP Level IV					
											Level IV: SW846 CLP-Like							
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035												Other:						

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

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

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

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ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by:

Diane F. Shaw

Date/Time:

2/18/26 0800

Carrier Name:

QS

Shipping container/cooler in good condition?

☒ Yes / No / Not Present

Custody seals intact on shipping container/cooler?

Yes / No / ~~Not Present~~

Custody seals intact on sample bottles?

Yes / No / Not Present

Chain of Custody present?

☒ Yes / No

COC signed when relinquished and received?

☒ Yes / No

COC agrees with sample labels?

☒ Yes / No

Samples in proper container/bottle?

☒ Yes / No

Sample containers intact?

☒ Yes / No

Sufficient sample volume for indicated test?

☒ Yes / No

All samples received within holding time?

☒ Yes / No

Container/Temp Blank temperature in compliance?

☒ Yes / No

Temperature(s) (°C):

3.1/3.1°c

Thermometer(s):

IR6

Sample(s) received on ice?

☒ Yes / No

Matrix/Matrices:

Solid

Cooler(s)/Kit(s):

1

Date/Time sample(s) sent to storage:

2/18/26 1030

Water – VOA vials have zero headspace?

Yes / No / ~~No Vials~~

Water – pH acceptable upon receipt?

Yes / No / ~~N/A~~

pH strip lot #: _____ < 2 _____ > 12 _____ Other _____

pH adjusted (note adjustments below)?

Yes / No / ~~N/A~~

pH adjusted by:

Login Notes:

HN-SHT-160-R01, Sample Receipt Checklist

REPORT QUALIFIERS AND DEFINITIONS

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

LABORATORY CERTIFICATIONS¹

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

1 – Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St

Work Order: HN2602410

Sample Name: 4551 SB01 (1-2')_20260217
Laboratory Code: HN2602410-001
Sample Matrix: SOIL/SOLID

Date Collected: 02/17/26
Date Received: 02/18/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AC	2460043		3889924	Nicole Maleski
EPA 6020B	EPA 3050B	001-AC	2465160	Weston Kotecki	3900576	Hunter Johnson
EPA 7471B	Method	001-AC	2465062	Maxx Richey	3899330	Maxx Richey
EPA 8081B	EPA 3546	001-AC	2464719	Benjamin Farmer	3903341	Madison VandenBer
EPA 8082A	EPA 3546	001-AC	2464717	Benjamin Farmer	3903092	Nathaniel Dietlin
EPA 8151A	Method	001-AC	2464744	Rachel Plantinga	3902381	Kathy Malmyga
EPA 8260D	EPA 5035A	001-AA	2458464	Jonathan Vazquez	3897761	John Garvale
EPA 8270E	EPA 3546	001-AC	2465823	Benjamin Farmer	3904123	Taryn Van Wyngarde
EPA 9056A	EPA 9056A	001-AC	2459913	Sage Hansen	3891843	Sage Hansen

Sample Name: 4551 SB02 (3-4')_20260217
Laboratory Code: HN2602410-002
Sample Matrix: SOIL/SOLID

Date Collected: 02/17/26
Date Received: 02/18/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		002-AC	2460043		3889924	Nicole Maleski
EPA 6020B	EPA 3050B	002-AC	2465160	Weston Kotecki	3900576	Hunter Johnson
EPA 7471B	Method	002-AC	2465062	Maxx Richey	3899330	Maxx Richey
EPA 8081B	EPA 3546	002-AC	2464719	Benjamin Farmer	3903341	Madison VandenBer
EPA 8082A	EPA 3546	002-AC	2464717	Benjamin Farmer	3903092	Nathaniel Dietlin
EPA 8151A	Method	002-AC	2464744	Rachel Plantinga	3902381	Kathy Malmyga
EPA 8260D	EPA 5035A	002-AA	2458464	Jonathan Vazquez	3897761	John Garvale
EPA 8270E	EPA 3546	002-AC	2465823	Benjamin Farmer	3904123	Taryn Van Wyngarde
EPA 9056A	EPA 9056A	002-AC	2459913	Sage Hansen	3891843	Sage Hansen

Sample Name: 4551 SB03 (5-6')_20260217
Laboratory Code: HN2602410-003
Sample Matrix: SOIL/SOLID

Date Collected: 02/17/26
Date Received: 02/18/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		003-AC	2460043		3889924	Nicole Maleski

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St

Work Order: HN2602410

Sample Name: 4551 SB03 (5-6')_20260217
Laboratory Code: HN2602410-003
Sample Matrix: SOIL/SOLID

Date Collected: 02/17/26
Date Received: 02/18/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3050B	003-AC	2465160	Weston Kotecki	3900576	Hunter Johnson
EPA 7471B	Method	003-AC	2465062	Maxx Richey	3899330	Maxx Richey
EPA 8081B	EPA 3546	003-AC	2464719	Benjamin Farmer	3903341	Madison VandenBer
EPA 8082A	EPA 3546	003-AC	2464717	Benjamin Farmer	3903092	Nathaniel Dietlin
EPA 8151A	Method	003-AC	2464744	Rachel Plantinga	3902381	Kathy Malmyga
EPA 8260D	EPA 5035A	003-AA	2458464	Jonathan Vazquez	3897761	John Garvale
EPA 8270E	EPA 3546	003-AC	2465823	Benjamin Farmer	3904123	Taryn Van Wyngarde
EPA 9056A	EPA 9056A	003-AC	2459913	Sage Hansen	3891843	Sage Hansen

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<1.77	U	µg/kg	9.61	1	02/26/26 18:24	02/23/26 19:11
2,4,5-TP (Silvex)	EPA 8151A	<3.15	U	µg/kg	9.61	1	02/26/26 18:24	02/23/26 19:11
2,4-D	EPA 8151A	<5.13	U	µg/kg	19.2	1	02/26/26 18:24	02/23/26 19:11
Surr: DCAA	EPA 8151A	76.0		%REC	10-116	1	02/26/26 18:24	02/23/26 19:11
General Chemistry Parameters								
Percent Moisture	EPA 3550C	14.1		%	0.5	1	02/19/26 14:21	NA
Chloride	EPA 9056A	12.9		mg/kg	11.4	1	02/19/26 23:53	02/19/26 15:50
Metals								
Arsenic	EPA 6020B	7.56		mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Barium	EPA 6020B	187		mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Cadmium	EPA 6020B	1.45		mg/kg	1.33	10	02/24/26 20:13	02/23/26 14:56
Chromium	EPA 6020B	36.6		mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Copper	EPA 6020B	38.5		mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Lead	EPA 6020B	424	*	mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Selenium	EPA 6020B	<3.07	U	mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Silver	EPA 6020B	<0.440	U	mg/kg	3.33	10	02/24/26 20:13	02/23/26 14:56
Zinc	EPA 6020B	347		mg/kg	6.67	10	02/24/26 20:13	02/23/26 14:56
Mercury	EPA 7471B	0.208		mg/kg	0.0200	1	02/24/26 15:31	02/23/26 13:27
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<17.8	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
4,4'-DDE	EPA 8081B	32.3		µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
4,4'-DDT	EPA 8081B	63.7		µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Aldrin	EPA 8081B	<18.1	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
alpha-BHC	EPA 8081B	<18.3	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
beta-BHC	EPA 8081B	<18.3	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Chlordane, Technical	EPA 8081B	<27.6	U	µg/kg	69.6	1	02/24/26 20:41	02/23/26 17:00
cis-Chlordane	EPA 8081B	<18.6	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
delta-BHC	EPA 8081B	<18.2	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Dieldrin	EPA 8081B	<19.5	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<18.7	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Endosulfan II	EPA 8081B	<18.4	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Endosulfan sulfate	EPA 8081B	<17.1	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Endrin	EPA 8081B	<22.5	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Endrin aldehyde	EPA 8081B	<17.6	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Endrin ketone	EPA 8081B	<16.9	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
gamma-BHC (Lindane)	EPA 8081B	<18.3	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Heptachlor	EPA 8081B	<18.0	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Heptachlor epoxide	EPA 8081B	<18.4	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Methoxychlor	EPA 8081B	<18.6	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
Toxaphene	EPA 8081B	<30.1	U	µg/kg	167	1	02/24/26 20:41	02/23/26 17:00
trans-Chlordane	EPA 8081B	<18.5	U	µg/kg	27.8	1	02/24/26 20:41	02/23/26 17:00
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	83.9		%REC	53-151	1	02/24/26 20:41	02/23/26 17:00
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	88.6		%REC	67-127	1	02/24/26 20:41	02/23/26 17:00

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<63.7	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1221	EPA 8082A	<63.7	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1232	EPA 8082A	<63.7	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1242	EPA 8082A	<63.7	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1248	EPA 8082A	<63.7	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1254	EPA 8082A	<51.9	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1260	EPA 8082A	<51.9	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1262	EPA 8082A	<51.9	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Aroclor 1268	EPA 8082A	<51.9	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
Total PCB	EPA 8082A	<51.9	U	µg/kg	186	1	02/24/26 19:10	02/23/26 16:51
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	108		%REC	54-146	1	02/24/26 19:10	02/23/26 16:51
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	94.8		%REC	58-140	1	02/24/26 19:10	02/23/26 16:51

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<15.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<22.3	U	µg/kg	966	1	02/25/26 23:09	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<69.3	U	µg/kg	483	1	02/25/26 23:09	02/24/26 13:07
1-Methylnaphthalene	EPA 8270E	59.9		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<22.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2,3,4,6-Tetrachlorophenol	EPA 8270E	<70.8	U	µg/kg	193	1	02/25/26 23:09	02/24/26 13:07
2,4,5-Trichlorophenol	EPA 8270E	<57.3	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2,4,6-Trichlorophenol	EPA 8270E	<25.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2,4-Dichlorophenol	EPA 8270E	<52.0	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2,4-Dimethylphenol	EPA 8270E	<49.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2,4-Dinitrophenol	EPA 8270E	<707	U	µg/kg	966	1	02/25/26 23:09	02/24/26 13:07
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<62.8	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<24.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2-Chloronaphthalene	EPA 8270E	<13.5	U	µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
2-Chlorophenol	EPA 8270E	<63.3	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<80.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2-Methylnaphthalene	EPA 8270E	87.0		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
2-Methylphenol (o-Cresol)	EPA 8270E	<26.1	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2-Nitroaniline	EPA 8270E	<53.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
2-Nitrophenol	EPA 8270E	<27.6	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
3&4-Methylphenol	EPA 8270E	<52.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
3,3'-Dichlorobenzidine	EPA 8270E	<45.1	U	µg/kg	483	1	02/25/26 23:09	02/24/26 13:07
3-Nitroaniline	EPA 8270E	<56.1	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<53.0	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
4-Chloro-3-methylphenol	EPA 8270E	<27.6	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
4-Chloroaniline	EPA 8270E	<49.1	U	µg/kg	193	1	02/25/26 23:09	02/24/26 13:07
4-Chlorophenyl phenylether	EPA 8270E	<26.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
4-Nitroaniline	EPA 8270E	<150	U	µg/kg	483	1	02/25/26 23:09	02/24/26 13:07
4-Nitrophenol	EPA 8270E	<226	U	µg/kg	966	1	02/25/26 23:09	02/24/26 13:07
Acenaphthene	EPA 8270E	92.8		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	48.3		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Acetophenone	EPA 8270E	<15.1	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Anthracene	EPA 8270E	286		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Atrazine	EPA 8270E	<56.6	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Benzaldehyde	EPA 8270E	<148	U	µg/kg	193	1	02/25/26 23:09	02/24/26 13:07
Benzo(a)anthracene	EPA 8270E	1050		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Benzo(a)pyrene	EPA 8270E	1070		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Benzo(b)fluoranthene	EPA 8270E	1400		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Benzo(g,h,i)perylene	EPA 8270E	638		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Benzo(k)fluoranthene	EPA 8270E	472		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
bis(2-Chloroethoxy) methane	EPA 8270E	<61.2	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
bis(2-Chloroethyl) ether	EPA 8270E	<27.4	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Butyl benzyl phthalate	EPA 8270E	<121	U	µg/kg	193	1	02/25/26 23:09	02/24/26 13:07
Caprolactam	EPA 8270E	<87.2	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Carbazole	EPA 8270E	135		µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Chrysene	EPA 8270E	1040		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<80.0	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Dibenz(a,h) anthracene	EPA 8270E	157		µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Dibenzofuran	EPA 8270E	<14.2	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Diethyl phthalate	EPA 8270E	<32.9	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Dimethyl phthalate	EPA 8270E	<18.9	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Fluoranthene	EPA 8270E	2180		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Fluorene	EPA 8270E	85.1		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Hexachlorobenzene	EPA 8270E	<28.1	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Hexachlorobutadiene	EPA 8270E	<22.8	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Hexachlorocyclopentadiene	EPA 8270E	<91.7	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Hexachloroethane	EPA 8270E	<40.0	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Indeno(1,2,3-cd) pyrene	EPA 8270E	663		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Isophorone	EPA 8270E	<18.9	U	µg/kg	483	1	02/25/26 23:09	02/24/26 13:07
Methylphenol, Total	EPA 8270E	<26.1	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	79.3		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Nitrobenzene	EPA 8270E	<32.5	U	µg/kg	483	1	02/25/26 23:09	02/24/26 13:07
n-Nitrosodi-n-propylamine	EPA 8270E	<16.0	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
N-Nitrosodiphenylamine	EPA 8270E	<56.0	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Pentachlorophenol	EPA 8270E	<76.8	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Phenanthrene	EPA 8270E	1330		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Phenol	EPA 8270E	<48.6	U	µg/kg	95.7	1	02/25/26 23:09	02/24/26 13:07
Pyrene	EPA 8270E	2120		µg/kg	19.3	1	02/25/26 23:09	02/24/26 13:07
Pyridine	EPA 8270E	<190	U	µg/kg	483	1	02/25/26 23:09	02/24/26 13:07
Surr: 2,4,6-Tribromophenol	EPA 8270E	73.1		%REC	48-94	1	02/25/26 23:09	02/24/26 13:07
Surr: 2-Fluorobiphenyl	EPA 8270E	76.7		%REC	50-103	1	02/25/26 23:09	02/24/26 13:07
Surr: 2-Fluorophenol	EPA 8270E	73.1		%REC	43-105	1	02/25/26 23:09	02/24/26 13:07
Surr: 4-Terphenyl-d14	EPA 8270E	75.4		%REC	55-111	1	02/25/26 23:09	02/24/26 13:07
Surr: Nitrobenzene-d5	EPA 8270E	81.6		%REC	47-100	1	02/25/26 23:09	02/24/26 13:07
Surr: Phenol-d6	EPA 8270E	77.0		%REC	49-110	1	02/25/26 23:09	02/24/26 13:07

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<18.2	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,1,2,2-Tetrachloroethane	EPA 8260D	<17.7	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<25.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,1,2-Trichloroethane	EPA 8260D	<17.1	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,1-Dichloroethane	EPA 8260D	<14.6	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,1-Dichloroethylene	EPA 8260D	<13.0	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,2,3-Trichlorobenzene	EPA 8260D	<48.2	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
1,2,3-Trichloropropane	EPA 8260D	<16.8	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,2,4-Trichlorobenzene	EPA 8260D	<45.5	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
1,2,4-Trimethylbenzene	EPA 8260D	<29.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<37.0	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<23.6	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<15.2	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<23.6	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
1,2-Dichloropropane	EPA 8260D	<29.6	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,3,5-Trimethylbenzene	EPA 8260D	<28.4	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<27.7	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
1,3-Dichloropropene	EPA 8260D	<22.4	U	µg/kg	80.3	1	02/21/26 02:17	02/18/26 11:32
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<32.6	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<95.6	U	µg/kg	268	1	02/21/26 02:17	02/18/26 11:32
2-Hexanone	EPA 8260D	<19.9	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<37.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Acetone	EPA 8260D	<119	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
Benzene	EPA 8260D	<19.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Bromochloromethane	EPA 8260D	<20.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Bromodichloromethane	EPA 8260D	<22.5	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Bromoform	EPA 8260D	<16.9	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Carbon disulfide	EPA 8260D	<20.8	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Carbon tetrachloride	EPA 8260D	<15.7	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Chlorobenzene	EPA 8260D	<13.3	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Chlorodibromomethane	EPA 8260D	<22.6	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Chloroethane (Ethyl chloride)	EPA 8260D	<112	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
Chloroform	EPA 8260D	<14.7	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
cis-1,2-Dichloroethylene	EPA 8260D	<25.8	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
cis-1,3-Dichloropropene	EPA 8260D	<30.3	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Cyclohexane	EPA 8260D	<30.7	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<48.6	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
Ethylbenzene	EPA 8260D	<28.5	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Isopropylbenzene	EPA 8260D	<25.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
m+p-Xylene	EPA 8260D	<53.5	U	µg/kg	80.3	1	02/21/26 02:17	02/18/26 11:32
Methyl acetate	EPA 8260D	<48.1	U	µg/kg	335	1	02/21/26 02:17	02/18/26 11:32
Methyl bromide (Bromomethane)	EPA 8260D	<76.8	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 12:50
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217

Lab ID: HN2602410-001

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<110	U	µg/kg	134	1	02/21/26 02:17	02/18/26 11:32
Methyl tert-butyl ether (MTBE)	EPA 8260D	<29.3	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Methylcyclohexane	EPA 8260D	<15.3	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Methylene chloride (Dichloromethane)	EPA 8260D	<107	U	µg/kg	335	1	02/21/26 02:17	02/18/26 11:32
o-Xylene	EPA 8260D	<15.5	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Styrene	EPA 8260D	<15.9	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<24.2	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Toluene	EPA 8260D	<33.1	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Total Xylene	EPA 8260D	<15.5	U	µg/kg	120	1	02/21/26 02:17	02/18/26 11:32
trans-1,2-Dichloroethylene	EPA 8260D	<33.1	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
trans-1,3-Dichloropropylene	EPA 8260D	<22.4	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Trichloroethene (Trichloroethylene)	EPA 8260D	<18.0	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<20.5	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
Vinyl chloride (Chloroethene)	EPA 8260D	<26.7	U	µg/kg	40.2	1	02/21/26 02:17	02/18/26 11:32
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	82.8		%REC	80-120	1	02/21/26 02:17	02/18/26 11:32
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	99.8		%REC	80-120	1	02/21/26 02:17	02/18/26 11:32
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	80.2		%REC	72-120	1	02/21/26 02:17	02/18/26 11:32
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	99.2		%REC	80-120	1	02/21/26 02:17	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.96	U	µg/kg	16.1	1	02/26/26 18:37	02/23/26 19:11
2,4,5-TP (Silvex)	EPA 8151A	<5.28	U	µg/kg	16.1	1	02/26/26 18:37	02/23/26 19:11
2,4-D	EPA 8151A	<8.59	U	µg/kg	32.2	1	02/26/26 18:37	02/23/26 19:11
Surr: DCAA	EPA 8151A	58.0		%REC	10-116	1	02/26/26 18:37	02/23/26 19:11
General Chemistry Parameters								
Percent Moisture	EPA 3550C	24.1		%	0.5	1	02/19/26 14:21	NA
Chloride	EPA 9056A	<4.03	U	mg/kg	13.0	1	02/20/26 00:01	02/19/26 15:50
Metals								
Arsenic	EPA 6020B	5.82		mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Barium	EPA 6020B	52.2		mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Cadmium	EPA 6020B	<0.219	U	mg/kg	1.46	10	02/24/26 20:15	02/23/26 14:56
Chromium	EPA 6020B	14.0		mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Copper	EPA 6020B	16.3		mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Lead	EPA 6020B	137	*	mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Selenium	EPA 6020B	<3.36	U	mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Silver	EPA 6020B	<0.482	U	mg/kg	3.65	10	02/24/26 20:15	02/23/26 14:56
Zinc	EPA 6020B	193		mg/kg	7.31	10	02/24/26 20:15	02/23/26 14:56
Mercury	EPA 7471B	0.0696		mg/kg	0.0200	1	02/24/26 15:33	02/23/26 13:27
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	49.9		µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
4,4'-DDE	EPA 8081B	<21.3	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
4,4'-DDT	EPA 8081B	32.6		µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Aldrin	EPA 8081B	<21.0	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
alpha-BHC	EPA 8081B	<21.3	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
beta-BHC	EPA 8081B	<21.2	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Chlordane, Technical	EPA 8081B	<32.1	U	µg/kg	80.8	1	02/24/26 20:54	02/23/26 17:00
cis-Chlordane	EPA 8081B	<21.6	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
delta-BHC	EPA 8081B	<21.2	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Dieldrin	EPA 8081B	<22.6	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<21.7	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Endosulfan II	EPA 8081B	<21.4	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Endosulfan sulfate	EPA 8081B	<19.9	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Endrin	EPA 8081B	<26.2	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Endrin aldehyde	EPA 8081B	<20.5	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Endrin ketone	EPA 8081B	<19.7	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
gamma-BHC (Lindane)	EPA 8081B	<21.2	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Heptachlor	EPA 8081B	<20.9	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Heptachlor epoxide	EPA 8081B	<21.4	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Methoxychlor	EPA 8081B	<21.6	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
Toxaphene	EPA 8081B	<34.9	U	µg/kg	194	1	02/24/26 20:54	02/23/26 17:00
trans-Chlordane	EPA 8081B	<21.5	U	µg/kg	32.3	1	02/24/26 20:54	02/23/26 17:00
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	86.0		%REC	53-151	1	02/24/26 20:54	02/23/26 17:00
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	91.8		%REC	67-127	1	02/24/26 20:54	02/23/26 17:00

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<73.9	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1221	EPA 8082A	<73.9	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1232	EPA 8082A	<73.9	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1242	EPA 8082A	<73.9	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1248	EPA 8082A	<73.9	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1254	EPA 8082A	<60.2	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1260	EPA 8082A	<60.2	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1262	EPA 8082A	<60.2	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Aroclor 1268	EPA 8082A	<60.2	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
Total PCB	EPA 8082A	<60.2	U	µg/kg	216	1	02/24/26 19:22	02/23/26 16:51
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	108		%REC	54-146	1	02/24/26 19:22	02/23/26 16:51
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	98.6		%REC	58-140	1	02/24/26 19:22	02/23/26 16:51

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<16.1	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<22.9	U	µg/kg	992	1	02/25/26 23:37	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<71.2	U	µg/kg	497	1	02/25/26 23:37	02/24/26 13:07
1-Methylnaphthalene	EPA 8270E	<14.3	U	µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<23.3	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2,3,4,6-Tetrachlorophenol	EPA 8270E	<72.7	U	µg/kg	199	1	02/25/26 23:37	02/24/26 13:07
2,4,5-Trichlorophenol	EPA 8270E	<58.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2,4,6-Trichlorophenol	EPA 8270E	<26.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2,4-Dichlorophenol	EPA 8270E	<53.5	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2,4-Dimethylphenol	EPA 8270E	<51.1	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2,4-Dinitrophenol	EPA 8270E	<726	U	µg/kg	992	1	02/25/26 23:37	02/24/26 13:07
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<64.5	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<25.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2-Chloronaphthalene	EPA 8270E	<13.9	U	µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
2-Chlorophenol	EPA 8270E	<65.0	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<83.0	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2-Methylnaphthalene	EPA 8270E	25.8		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
2-Methylphenol (o-Cresol)	EPA 8270E	<26.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2-Nitroaniline	EPA 8270E	<55.2	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
2-Nitrophenol	EPA 8270E	<28.3	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
3&4-Methylphenol	EPA 8270E	<54.1	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
3,3'-Dichlorobenzidine	EPA 8270E	<46.4	U	µg/kg	497	1	02/25/26 23:37	02/24/26 13:07
3-Nitroaniline	EPA 8270E	<57.7	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<54.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
4-Chloro-3-methylphenol	EPA 8270E	<28.3	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
4-Chloroaniline	EPA 8270E	<50.5	U	µg/kg	199	1	02/25/26 23:37	02/24/26 13:07
4-Chlorophenyl phenylether	EPA 8270E	<27.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
4-Nitroaniline	EPA 8270E	<154	U	µg/kg	497	1	02/25/26 23:37	02/24/26 13:07
4-Nitrophenol	EPA 8270E	<233	U	µg/kg	992	1	02/25/26 23:37	02/24/26 13:07
Acenaphthene	EPA 8270E	<14.4	U	µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<17.2	U	µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Acetophenone	EPA 8270E	<15.6	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Anthracene	EPA 8270E	23.8		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Atrazine	EPA 8270E	<58.2	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Benzaldehyde	EPA 8270E	<153	U	µg/kg	199	1	02/25/26 23:37	02/24/26 13:07
Benzo(a)anthracene	EPA 8270E	71.5		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Benzo(a)pyrene	EPA 8270E	75.5		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Benzo(b)fluoranthene	EPA 8270E	105		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Benzo(g,h,i)perylene	EPA 8270E	69.5		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Benzo(k)fluoranthene	EPA 8270E	39.7		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
bis(2-Chloroethoxy) methane	EPA 8270E	<62.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
bis(2-Chloroethyl) ether	EPA 8270E	<28.1	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Butyl benzyl phthalate	EPA 8270E	<124	U	µg/kg	199	1	02/25/26 23:37	02/24/26 13:07
Caprolactam	EPA 8270E	<89.6	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Carbazole	EPA 8270E	<29.3	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Chrysene	EPA 8270E	69.5		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<82.2	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Dibenz(a,h) anthracene	EPA 8270E	<10.7	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Dibenzofuran	EPA 8270E	<14.6	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Diethyl phthalate	EPA 8270E	<33.8	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Dimethyl phthalate	EPA 8270E	<19.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Fluoranthene	EPA 8270E	129		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Fluorene	EPA 8270E	<14.4	U	µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Hexachlorobenzene	EPA 8270E	<28.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Hexachlorobutadiene	EPA 8270E	<23.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Hexachlorocyclopentadiene	EPA 8270E	<94.2	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Hexachloroethane	EPA 8270E	<41.1	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Indeno(1,2,3-cd) pyrene	EPA 8270E	61.6		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Isophorone	EPA 8270E	<19.4	U	µg/kg	497	1	02/25/26 23:37	02/24/26 13:07
Methylphenol, Total	EPA 8270E	<26.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	<12.7	U	µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Nitrobenzene	EPA 8270E	<33.4	U	µg/kg	497	1	02/25/26 23:37	02/24/26 13:07
n-Nitrosodi-n-propylamine	EPA 8270E	<16.4	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
N-Nitrosodiphenylamine	EPA 8270E	<57.5	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Pentachlorophenol	EPA 8270E	<78.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Phenanthrene	EPA 8270E	85.4		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Phenol	EPA 8270E	<49.9	U	µg/kg	98.3	1	02/25/26 23:37	02/24/26 13:07
Pyrene	EPA 8270E	145		µg/kg	19.9	1	02/25/26 23:37	02/24/26 13:07
Pyridine	EPA 8270E	<196	U	µg/kg	497	1	02/25/26 23:37	02/24/26 13:07
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	75.0		%REC	48-94	1	02/25/26 23:37	02/24/26 13:07
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	70.4		%REC	50-103	1	02/25/26 23:37	02/24/26 13:07
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	73.3		%REC	43-105	1	02/25/26 23:37	02/24/26 13:07
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	73.9		%REC	55-111	1	02/25/26 23:37	02/24/26 13:07
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	77.1		%REC	47-100	1	02/25/26 23:37	02/24/26 13:07
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	76.5		%REC	49-110	1	02/25/26 23:37	02/24/26 13:07

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<22.5	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,1,2,2-Tetrachloroethane	EPA 8260D	<21.9	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<31.4	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,1,2-Trichloroethane	EPA 8260D	<21.0	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,1-Dichloroethane	EPA 8260D	<18.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,1-Dichloroethylene	EPA 8260D	<16.0	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,2,3-Trichlorobenzene	EPA 8260D	<59.4	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
1,2,3-Trichloropropane	EPA 8260D	<20.7	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,2,4-Trichlorobenzene	EPA 8260D	<56.1	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
1,2,4-Trimethylbenzene	EPA 8260D	<36.3	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<45.6	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<29.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<18.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<29.1	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
1,2-Dichloropropane	EPA 8260D	<36.5	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,3,5-Trimethylbenzene	EPA 8260D	<35.0	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<34.2	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
1,3-Dichloropropene	EPA 8260D	<27.6	U	µg/kg	99.0	1	02/21/26 02:33	02/18/26 11:32
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<40.2	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<118	U	µg/kg	330	1	02/21/26 02:33	02/18/26 11:32
2-Hexanone	EPA 8260D	<24.6	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<46.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Acetone	EPA 8260D	<147	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
Benzene	EPA 8260D	<24.0	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Bromochloromethane	EPA 8260D	<25.2	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Bromodichloromethane	EPA 8260D	<27.7	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Bromoform	EPA 8260D	<20.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Carbon disulfide	EPA 8260D	<25.6	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Carbon tetrachloride	EPA 8260D	<19.4	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Chlorobenzene	EPA 8260D	<16.4	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Chlorodibromomethane	EPA 8260D	<27.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Chloroethane (Ethyl chloride)	EPA 8260D	<139	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
Chloroform	EPA 8260D	<18.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
cis-1,2-Dichloroethylene	EPA 8260D	<31.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
cis-1,3-Dichloropropene	EPA 8260D	<37.3	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Cyclohexane	EPA 8260D	<37.9	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<59.9	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
Ethylbenzene	EPA 8260D	<35.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Isopropylbenzene	EPA 8260D	<31.3	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
m+p-Xylene	EPA 8260D	<66.0	U	µg/kg	99.0	1	02/21/26 02:33	02/18/26 11:32
Methyl acetate	EPA 8260D	<59.3	U	µg/kg	413	1	02/21/26 02:33	02/18/26 11:32
Methyl bromide (Bromomethane)	EPA 8260D	<94.7	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:04
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB02 (3-4')_20260217

Lab ID: HN2602410-002

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<135	U	µg/kg	165	1	02/21/26 02:33	02/18/26 11:32
Methyl tert-butyl ether (MTBE)	EPA 8260D	<36.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Methylcyclohexane	EPA 8260D	<18.9	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Methylene chloride (Dichloromethane)	EPA 8260D	<131	U	µg/kg	413	1	02/21/26 02:33	02/18/26 11:32
o-Xylene	EPA 8260D	<19.1	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Styrene	EPA 8260D	<19.6	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<29.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Toluene	EPA 8260D	<40.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Total Xylene	EPA 8260D	<19.1	U	µg/kg	149	1	02/21/26 02:33	02/18/26 11:32
trans-1,2-Dichloroethylene	EPA 8260D	<40.8	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
trans-1,3-Dichloropropylene	EPA 8260D	<27.6	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Trichloroethene (Trichloroethylene)	EPA 8260D	<22.2	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<25.3	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
Vinyl chloride (Chloroethene)	EPA 8260D	<32.9	U	µg/kg	49.5	1	02/21/26 02:33	02/18/26 11:32
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	99.8		%REC	80-120	1	02/21/26 02:33	02/18/26 11:32
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	89.8		%REC	80-120	1	02/21/26 02:33	02/18/26 11:32
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	79.1		%REC	72-120	1	02/21/26 02:33	02/18/26 11:32
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	99.8		%REC	80-120	1	02/21/26 02:33	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.87	U	µg/kg	15.6	1	02/26/26 18:50	02/23/26 19:11
2,4,5-TP (Silvex)	EPA 8151A	<5.12	U	µg/kg	15.6	1	02/26/26 18:50	02/23/26 19:11
2,4-D	EPA 8151A	<8.33	U	µg/kg	31.2	1	02/26/26 18:50	02/23/26 19:11
Surr: DCAA	EPA 8151A	72.0		%REC	10-116	1	02/26/26 18:50	02/23/26 19:11
General Chemistry Parameters								
Percent Moisture	EPA 3550C	20.0		%	0.5	1	02/19/26 14:21	NA
Chloride	EPA 9056A	<3.84	U	mg/kg	12.4	1	02/19/26 17:30	02/19/26 15:50
Metals								
Arsenic	EPA 6020B	9.51		mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Barium	EPA 6020B	120		mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Cadmium	EPA 6020B	<0.225	U	mg/kg	1.50	10	02/24/26 20:17	02/23/26 14:56
Chromium	EPA 6020B	27.4		mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Copper	EPA 6020B	20.9		mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Lead	EPA 6020B	14.7		mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Selenium	EPA 6020B	<3.45	U	mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Silver	EPA 6020B	<0.495	U	mg/kg	3.75	10	02/24/26 20:17	02/23/26 14:56
Zinc	EPA 6020B	66.9		mg/kg	7.50	10	02/24/26 20:17	02/23/26 14:56
Mercury	EPA 7471B	<0.0137	U	mg/kg	0.0202	1	02/24/26 15:34	02/23/26 13:27
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<19.3	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
4,4'-DDE	EPA 8081B	<19.9	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
4,4'-DDT	EPA 8081B	<20.1	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Aldrin	EPA 8081B	<19.6	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
alpha-BHC	EPA 8081B	<19.9	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
beta-BHC	EPA 8081B	<19.8	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Chlordane, Technical	EPA 8081B	<29.9	U	µg/kg	75.5	1	02/24/26 21:08	02/23/26 17:00
cis-Chlordane	EPA 8081B	<20.2	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
delta-BHC	EPA 8081B	<19.8	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Dieldrin	EPA 8081B	<21.1	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan I	EPA 8081B	<20.3	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Endosulfan II	EPA 8081B	<20.0	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Endosulfan sulfate	EPA 8081B	<18.6	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Endrin	EPA 8081B	<24.4	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Endrin aldehyde	EPA 8081B	<19.1	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Endrin ketone	EPA 8081B	<18.4	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
gamma-BHC (Lindane)	EPA 8081B	<19.8	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Heptachlor	EPA 8081B	<19.5	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Heptachlor epoxide	EPA 8081B	<20.0	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Methoxychlor	EPA 8081B	<20.2	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
Toxaphene	EPA 8081B	<32.6	U	µg/kg	181	1	02/24/26 21:08	02/23/26 17:00
trans-Chlordane	EPA 8081B	<20.1	U	µg/kg	30.2	1	02/24/26 21:08	02/23/26 17:00
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	89.7		%REC	53-151	1	02/24/26 21:08	02/23/26 17:00
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	94.4		%REC	67-127	1	02/24/26 21:08	02/23/26 17:00

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<69.0	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1221	EPA 8082A	<69.0	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1232	EPA 8082A	<69.0	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1242	EPA 8082A	<69.0	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1248	EPA 8082A	<69.0	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1254	EPA 8082A	<56.2	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1260	EPA 8082A	<56.2	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1262	EPA 8082A	<56.2	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Aroclor 1268	EPA 8082A	<56.2	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
Total PCB	EPA 8082A	<56.2	U	µg/kg	201	1	02/24/26 19:34	02/23/26 16:51
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	102		%REC	54-146	1	02/24/26 19:34	02/23/26 16:51
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	98.5		%REC	58-140	1	02/24/26 19:34	02/23/26 16:51

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<16.8	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<23.8	U	µg/kg	1030	1	02/26/26 00:04	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<74.1	U	µg/kg	516	1	02/26/26 00:04	02/24/26 13:07
1-Methylnaphthalene	EPA 8270E	<14.9	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	EPA 8270E	<24.2	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2,3,4,6-Tetrachlorophenol	EPA 8270E	<75.6	U	µg/kg	207	1	02/26/26 00:04	02/24/26 13:07
2,4,5-Trichlorophenol	EPA 8270E	<61.2	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2,4,6-Trichlorophenol	EPA 8270E	<27.5	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2,4-Dichlorophenol	EPA 8270E	<55.6	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2,4-Dimethylphenol	EPA 8270E	<53.1	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2,4-Dinitrophenol	EPA 8270E	<755	U	µg/kg	1030	1	02/26/26 00:04	02/24/26 13:07
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<67.1	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<26.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2-Chloronaphthalene	EPA 8270E	<14.4	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
2-Chlorophenol	EPA 8270E	<67.6	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<86.3	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2-Methylnaphthalene	EPA 8270E	<10.5	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
2-Methylphenol (o-Cresol)	EPA 8270E	<27.9	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2-Nitroaniline	EPA 8270E	<57.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
2-Nitrophenol	EPA 8270E	<29.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
3&4-Methylphenol	EPA 8270E	<56.3	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
3,3'-Dichlorobenzidine	EPA 8270E	<48.2	U	µg/kg	516	1	02/26/26 00:04	02/24/26 13:07
3-Nitroaniline	EPA 8270E	<60.0	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<56.6	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
4-Chloro-3-methylphenol	EPA 8270E	<29.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
4-Chloroaniline	EPA 8270E	<52.5	U	µg/kg	207	1	02/26/26 00:04	02/24/26 13:07
4-Chlorophenyl phenylether	EPA 8270E	<28.5	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
4-Nitroaniline	EPA 8270E	<160	U	µg/kg	516	1	02/26/26 00:04	02/24/26 13:07
4-Nitrophenol	EPA 8270E	<242	U	µg/kg	1030	1	02/26/26 00:04	02/24/26 13:07
Acenaphthene	EPA 8270E	<14.9	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Acenaphthylene	EPA 8270E	<17.9	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Acetophenone	EPA 8270E	<16.2	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Anthracene	EPA 8270E	<14.6	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Atrazine	EPA 8270E	<60.5	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Benzaldehyde	EPA 8270E	<159	U	µg/kg	207	1	02/26/26 00:04	02/24/26 13:07
Benzo(a)anthracene	EPA 8270E	<17.8	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Benzo(a)pyrene	EPA 8270E	<12.7	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Benzo(b)fluoranthene	EPA 8270E	<15.4	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Benzo(g,h,i)perylene	EPA 8270E	<15.8	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Benzo(k)fluoranthene	EPA 8270E	<15.6	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
bis(2-Chloroethoxy) methane	EPA 8270E	<65.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
bis(2-Chloroethyl) ether	EPA 8270E	<29.3	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Butyl benzyl phthalate	EPA 8270E	<129	U	µg/kg	207	1	02/26/26 00:04	02/24/26 13:07
Caprolactam	EPA 8270E	<93.2	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Carbazole	EPA 8270E	<30.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Chrysene	EPA 8270E	<16.7	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	<85.4	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Dibenz(a,h) anthracene	EPA 8270E	<11.2	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Dibenzofuran	EPA 8270E	<15.2	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Diethyl phthalate	EPA 8270E	<35.1	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Dimethyl phthalate	EPA 8270E	<20.1	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Fluoranthene	EPA 8270E	<9.92	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Fluorene	EPA 8270E	<15.0	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Hexachlorobenzene	EPA 8270E	<30.1	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Hexachlorobutadiene	EPA 8270E	<24.3	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Hexachlorocyclopentadiene	EPA 8270E	<97.9	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Hexachloroethane	EPA 8270E	<42.8	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Indeno(1,2,3-cd) pyrene	EPA 8270E	<14.4	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Isophorone	EPA 8270E	<20.2	U	µg/kg	516	1	02/26/26 00:04	02/24/26 13:07
Methylphenol, Total	EPA 8270E	<27.9	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Naphthalene	EPA 8270E	<13.2	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Nitrobenzene	EPA 8270E	<34.7	U	µg/kg	516	1	02/26/26 00:04	02/24/26 13:07
n-Nitrosodi-n-propylamine	EPA 8270E	<17.0	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
N-Nitrosodiphenylamine	EPA 8270E	<59.8	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Pentachlorophenol	EPA 8270E	<82.1	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Phenanthrene	EPA 8270E	<9.61	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Phenol	EPA 8270E	<51.9	U	µg/kg	102	1	02/26/26 00:04	02/24/26 13:07
Pyrene	EPA 8270E	<10.3	U	µg/kg	20.7	1	02/26/26 00:04	02/24/26 13:07
Pyridine	EPA 8270E	<203	U	µg/kg	516	1	02/26/26 00:04	02/24/26 13:07
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	76.4		%REC	48-94	1	02/26/26 00:04	02/24/26 13:07
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	76.6		%REC	50-103	1	02/26/26 00:04	02/24/26 13:07
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	78.2		%REC	43-105	1	02/26/26 00:04	02/24/26 13:07
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	85.7		%REC	55-111	1	02/26/26 00:04	02/24/26 13:07
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	83.0		%REC	47-100	1	02/26/26 00:04	02/24/26 13:07
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	82.5		%REC	49-110	1	02/26/26 00:04	02/24/26 13:07

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<20.2	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,1,2,2-Tetrachloroethane	EPA 8260D	<19.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<28.2	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,1,2-Trichloroethane	EPA 8260D	<18.9	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,1-Dichloroethane	EPA 8260D	<16.2	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,1-Dichloroethylene	EPA 8260D	<14.4	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,2,3-Trichlorobenzene	EPA 8260D	<53.4	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
1,2,3-Trichloropropane	EPA 8260D	<18.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,2,4-Trichlorobenzene	EPA 8260D	<50.4	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
1,2,4-Trimethylbenzene	EPA 8260D	<32.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<41.0	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<26.2	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<16.9	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<26.2	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
1,2-Dichloropropane	EPA 8260D	<32.8	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,3,5-Trimethylbenzene	EPA 8260D	<31.4	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
1,3-Dichlorobenzene (m- Dichlorobenzene)	EPA 8260D	<30.7	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
1,3-Dichloropropene	EPA 8260D	<24.9	U	µg/kg	89.0	1	02/21/26 02:50	02/18/26 11:32
1,4-Dichlorobenzene (p- Dichlorobenzene)	EPA 8260D	<36.2	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<106	U	µg/kg	297	1	02/21/26 02:50	02/18/26 11:32
2-Hexanone	EPA 8260D	<22.1	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<41.5	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Acetone	EPA 8260D	<132	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
Benzene	EPA 8260D	<21.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Bromochloromethane	EPA 8260D	<22.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Bromodichloromethane	EPA 8260D	<24.9	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Bromoform	EPA 8260D	<18.7	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Carbon disulfide	EPA 8260D	<23.0	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Carbon tetrachloride	EPA 8260D	<17.4	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Chlorobenzene	EPA 8260D	<14.8	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Chlorodibromomethane	EPA 8260D	<25.0	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Chloroethane (Ethyl chloride)	EPA 8260D	<125	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
Chloroform	EPA 8260D	<16.3	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
cis-1,2-Dichloroethylene	EPA 8260D	<28.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
cis-1,3-Dichloropropene	EPA 8260D	<33.5	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Cyclohexane	EPA 8260D	<34.1	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<53.9	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
Ethylbenzene	EPA 8260D	<31.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Isopropylbenzene	EPA 8260D	<28.1	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
m+p-Xylene	EPA 8260D	<59.3	U	µg/kg	89.0	1	02/21/26 02:50	02/18/26 11:32
Methyl acetate	EPA 8260D	<53.3	U	µg/kg	371	1	02/21/26 02:50	02/18/26 11:32
Methyl bromide (Bromomethane)	EPA 8260D	<85.1	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID

Work Order: HN2602410
Date Collected: 02/17/26 13:15
Date Received: 02/18/26 08:00

CLIENT ID: 4551 SB03 (5-6')_20260217

Lab ID: HN2602410-003

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methyl chloride (Chloromethane)	EPA 8260D	<122	U	µg/kg	148	1	02/21/26 02:50	02/18/26 11:32
Methyl tert-butyl ether (MTBE)	EPA 8260D	<32.5	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Methylcyclohexane	EPA 8260D	<17.0	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Methylene chloride (Dichloromethane)	EPA 8260D	<118	U	µg/kg	371	1	02/21/26 02:50	02/18/26 11:32
o-Xylene	EPA 8260D	<17.2	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Styrene	EPA 8260D	<17.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<26.8	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Toluene	EPA 8260D	<36.7	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Total Xylene	EPA 8260D	<17.2	U	µg/kg	134	1	02/21/26 02:50	02/18/26 11:32
trans-1,2-Dichloroethylene	EPA 8260D	<36.7	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
trans-1,3-Dichloropropylene	EPA 8260D	<24.9	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Trichloroethene (Trichloroethylene)	EPA 8260D	<20.0	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<22.8	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
Vinyl chloride (Chloroethene)	EPA 8260D	<29.6	U	µg/kg	44.5	1	02/21/26 02:50	02/18/26 11:32
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	102		%REC	80-120	1	02/21/26 02:50	02/18/26 11:32
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	114		%REC	80-120	1	02/21/26 02:50	02/18/26 11:32
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	93.8		%REC	72-120	1	02/21/26 02:50	02/18/26 11:32
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	112		%REC	80-120	1	02/21/26 02:50	02/18/26 11:32



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2464744

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3902381

Chlorinated Herbicides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2464744-001
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/26/26 15:57
Prep Date: 02/23/26 19:12

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	73.0	µg/kg		100		73.0	10-116			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2464744-002
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/26/26 16:09
Prep Date: 02/23/26 19:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	32.0	µg/kg	5.00	50		64.0	10-119			
2,4,5-TP (Silvex)	33.0	µg/kg	5.00	50		66.0	10-101			
2,4-D	34.0	µg/kg	10.0	50		68.0	10-128			
Surr: DCAA	81.0	µg/kg		100		81.0	10-116			

MS	CLIENT ID: Batch QC	Lab ID: QC-2464744-005
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/26/26 16:22
Prep Date: 02/23/26 19:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	47.9	µg/kg	9.02	82.645	<1.52	58.0	10-119			
2,4,5-TP (Silvex)	46.3	µg/kg	9.02	82.645	<2.71	56.0	10-101			
2,4-D	52.9	µg/kg	18.0	82.645	<4.41	64.0	10-128			
Surr: DCAA	117	µg/kg		165.29		71.0	10-116			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2464744-006
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 02/26/26 16:40
Prep Date: 02/23/26 19:12

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	44.9	µg/kg	9.07	83.126	<1.53	54.0	10-119	6.56	30	
2,4,5-TP (Silvex)	41.6	µg/kg	9.07	83.126	<2.73	50.0	10-101	10.7	30	
2,4-D	51.5	µg/kg	18.1	83.126	<4.44	62.0	10-128	2.59	30	
Surr: DCAA	116	µg/kg		166.25		70.0	10-116	0.838	30	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2459913

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3891843

General Chemistry Parameters

MB	CLIENT ID: Method Blank						Lab ID: QC-2459913-001			
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/19/26 21:52
Prep Date: 02/19/26 15:51

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-2459913-002			
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/19/26 22:00
Prep Date: 02/19/26 15:51

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	91.9	mg/kg	10.0	100		91.9	87-110			

MS	CLIENT ID: Batch QC						Lab ID: QC-2459913-004			
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/19/26 22:16
Prep Date: 02/19/26 15:51

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	109	mg/kg	11.3	97.087	19.0	95.6	87-110			

MSD	CLIENT ID: Batch QC						Lab ID: QC-2459913-005			
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 02/19/26 22:24
Prep Date: 02/19/26 15:51

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	103	mg/kg	10.7	91.912	19.0	94.3	87-110	5.80	15	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2460043

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3889924

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2460043-001
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/19/26 14:21
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	<0.1	%	0.5							U

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2460043-002
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/19/26 14:21
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	100	%	0.5	100		100	98-102			

DUP	CLIENT ID: 4551 SB01 (1-2')_20260217	Lab ID: QC-2460043-004
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/19/26 14:21
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	14.1	%	0.5		14.1			0.213	10	

DUP	CLIENT ID: Batch QC	Lab ID: QC-2460043-015
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 02/19/26 14:21
Prep Date: NA

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Percent Moisture	14.1	%	0.5		13.2			6.73	10	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465062

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3899330

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2465062-001
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/24/26 15:02
Prep Date: 02/23/26 13:28

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-2465062-002
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/24/26 15:03
Prep Date: 02/23/26 13:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.148	mg/kg	0.0200	0.1665		88.6	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2465062-004
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/24/26 15:07
Prep Date: 02/23/26 13:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.137	mg/kg	0.0200	0.1311	0.0369	81.8	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2465062-005
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 02/24/26 15:09
Prep Date: 02/23/26 13:28

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.147	mg/kg	0.0200	0.13302	0.0369	88.2	75-125	7.03	35	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465160

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3900576

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2465160-001
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 02/24/26 19:28
Prep Date: 02/23/26 14:57

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-2465160-002
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 02/24/26 19:30
Prep Date: 02/23/26 14:57

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	5.02	mg/kg	0.250	5		100	80-120			
Barium	5.19	mg/kg	0.250	5		104	80-120			
Cadmium	5.04	mg/kg	0.100	5		101	80-120			
Chromium	5.07	mg/kg	0.250	5		101	80-120			
Copper	5.05	mg/kg	0.250	5		101	80-120			
Lead	5.18	mg/kg	0.250	5		104	80-120			
Selenium	5.03	mg/kg	0.250	5		101	80-120			
Silver	5.14	mg/kg	0.250	5		103	80-120			
Zinc	4.91	mg/kg	0.500	5		98.2	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2465160-004
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Method: EPA 6020B **Dilution:** 10 **Analysis Date:** 02/24/26 19:34
Prep Date: 02/23/26 14:57

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	11.3	mg/kg	2.93	5.3937	5.98	108	75-125			
Barium	19.9	mg/kg	2.93	5.3937	16.5	87.4	75-125			
Cadmium	5.50	mg/kg	1.17	5.3937	0.186	98.8	75-125			
Chromium	12.2	mg/kg	2.93	5.3937	8.83	76.6	75-125			
Copper	16.6	mg/kg	2.93	5.3937	12.1	103	75-125			
Lead	11.5	mg/kg	2.93	5.3937	6.05	111	75-125			
Selenium	6.09	mg/kg	2.93	5.3937	<2.48	109	75-125			
Silver	5.22	mg/kg	2.93	5.3937	<0.356	96.7	75-125			
Zinc	43.8	mg/kg	5.87	5	41.8	NC	75-125			O

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465160

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3900576

MSD	CLIENT ID: Batch QC	Lab ID: QC-2465160-005
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Method: EPA 6020B

Dilution: 10

Analysis Date: 02/24/26 19:36

Prep Date: 02/23/26 14:57

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	11.0	mg/kg	2.87	5.2798	5.98	104	75-125	2.98	20	
Barium	21.1	mg/kg	2.87	5.2798	16.5	114	75-125	6.24	20	
Cadmium	5.14	mg/kg	1.15	5.2798	0.186	94.2	75-125	6.72	20	
Chromium	14.0	mg/kg	2.87	5.2798	8.83	111	75-125	13.4	20	
Copper	15.6	mg/kg	2.87	5.2798	12.1	86.3	75-125	6.12	20	
Lead	10.7	mg/kg	2.87	5.2798	6.05	97.5	75-125	7.56	20	
Selenium	5.40	mg/kg	2.87	5.2798	<2.43	97.9	75-125	12.0	20	
Silver	4.93	mg/kg	2.87	5.2798	<0.348	93.2	75-125	5.75	20	
Zinc	45.1	mg/kg	5.75	5	41.8	NC	75-125	2.82	20	O

PDS	CLIENT ID: Batch QC	Lab ID: QC-2465160-007
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Method: EPA 6020B

Dilution: 10

Analysis Date: 02/24/26 19:39

Prep Date: 02/23/26 14:57

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	69.4	mg/kg	2.97	54.585	5.98	117	75-125			
Barium	80.9	mg/kg	2.97	54.585	16.5	121	75-125			
Cadmium	59.8	mg/kg	1.19	54.585	0.186	109	75-125			
Chromium	71.0	mg/kg	2.97	54.585	8.83	115	75-125			
Copper	72.5	mg/kg	2.97	54.585	12.1	113	75-125			
Lead	68.8	mg/kg	2.97	54.585	6.05	116	75-125			
Selenium	61.2	mg/kg	2.97	54.585	<2.51	112	75-125			
Silver	46.7	mg/kg	2.97	54.585	<0.360	85.5	75-125			
Zinc	102	mg/kg	5.94	54.585	41.8	116	75-125			

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2464719

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3903341

Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2464719-001
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 02/24/26 16:18**Prep Date:** 02/23/26 17:01

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	<6.39	µg/kg	10.0							U
4,4'-DDE	<6.59	µg/kg	10.0							U
4,4'-DDT	<6.65	µg/kg	10.0							U
Aldrin	<6.50	µg/kg	10.0							U
alpha-BHC	<6.58	µg/kg	10.0							U
beta-BHC	<6.57	µg/kg	10.0							U
Chlordane, Technical	<9.92	µg/kg	25.0							U
cis-Chlordane	<6.68	µg/kg	10.0							U
delta-BHC	<6.55	µg/kg	10.0							U
Dieldrin	<6.99	µg/kg	10.0							U
Endosulfan I	<6.72	µg/kg	10.0							U
Endosulfan II	<6.62	µg/kg	10.0							U
Endosulfan sulfate	<6.15	µg/kg	10.0							U
Endrin	<8.09	µg/kg	10.0							U
Endrin aldehyde	<6.34	µg/kg	10.0							U
Endrin ketone	<6.08	µg/kg	10.0							U
gamma-BHC (Lindane)	<6.56	µg/kg	10.0							U
Heptachlor	<6.45	µg/kg	10.0							U
Heptachlor epoxide	<6.62	µg/kg	10.0							U
Methoxychlor	<6.69	µg/kg	10.0							U
Toxaphene	<10.8	µg/kg	60.0							U
trans-Chlordane	<6.64	µg/kg	10.0							U
Surr: Decachlorobiphenyl	29.1	µg/kg		33.33		87.4	53-151			
Surr: Tetrachloro-m-xylene	32.2	µg/kg		33.33		96.7	67-127			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2464719-002
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 02/24/26 16:32**Prep Date:** 02/23/26 17:01

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	29.6	µg/kg	10.0	33.33		88.9	55-141			
4,4'-DDE	31.2	µg/kg	10.0	33.33		93.6	55-143			
4,4'-DDT	28.9	µg/kg	10.0	33.33		86.7	50-144			
Aldrin	31.1	µg/kg	10.0	33.33		93.2	57-141			
alpha-BHC	27.4	µg/kg	10.0	33.33		82.2	58-144			
beta-BHC	28.6	µg/kg	10.0	33.33		85.7	55-147			
cis-Chlordane	30.0	µg/kg	10.0	33.33		90.1	58-142			
delta-BHC	24.5	µg/kg	10.0	33.33		73.5	59-142			
Dieldrin	30.8	µg/kg	10.0	33.33		92.3	59-142			
Endosulfan I	29.9	µg/kg	10.0	33.33		89.7	57-145			
Endosulfan II	29.9	µg/kg	10.0	33.33		89.7	58-138			
Endosulfan sulfate	28.2	µg/kg	10.0	33.33		84.5	54-136			
Endrin	30.8	µg/kg	10.0	33.33		92.3	45-150			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2464719

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3903341

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2464719-002
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/24/26 16:32

Prep Date: 02/23/26 17:01

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	25.3	µg/kg	10.0	33.33		76.0	41-147			
Endrin ketone	28.8	µg/kg	10.0	33.33		86.4	54-146			
gamma-BHC (Lindane)	27.6	µg/kg	10.0	33.33		82.8	58-145			
Heptachlor	29.4	µg/kg	10.0	33.33		88.1	51-145			
Heptachlor epoxide	30.6	µg/kg	10.0	33.33		92.0	59-143			
Methoxychlor	27.7	µg/kg	10.0	33.33		83.0	43-144			
trans-Chlordane	29.4	µg/kg	10.0	33.33		88.1	56-145			
Surr: Decachlorobiphenyl	27.4	µg/kg		33.33		82.1	51-151			
Surr: Tetrachloro-m-xylene	30.3	µg/kg		33.33		90.9	67-127			

MS	CLIENT ID: Batch QC	Lab ID: QC-2464719-005
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/24/26 17:27

Prep Date: 02/23/26 17:01

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	75.4	µg/kg	28.3	81.161	<15.6	92.9	55-141			
4,4'-DDE	68.5	µg/kg	28.3	81.161	<16.0	80.4	55-143			
4,4'-DDT	88.2	µg/kg	28.3	81.161	<16.2	102	50-144			
Aldrin	80.9	µg/kg	28.3	81.161	<15.8	99.7	57-141			
alpha-BHC	72.3	µg/kg	28.3	81.161	<16.0	89.1	58-144			
beta-BHC	61.2	µg/kg	28.3	81.161	<16.0	75.4	55-147			
cis-Chlordane	73.5	µg/kg	28.3	81.161	<16.3	90.6	58-142			
delta-BHC	64.7	µg/kg	28.3	81.161	<15.9	79.7	59-142			
Dieldrin	80.4	µg/kg	28.3	81.161	<17.0	97.8	59-142			
Endosulfan I	77.9	µg/kg	28.3	81.161	<16.4	96.0	57-145			
Endosulfan II	79.2	µg/kg	28.3	81.161	<16.1	97.6	58-138			
Endosulfan sulfate	72.6	µg/kg	28.3	81.161	<15.0	89.4	54-135			
Endrin	79.7	µg/kg	28.3	81.161	<19.7	98.3	45-150			
Endrin aldehyde	84.3	µg/kg	28.3	81.161	<15.4	104	41-147			
Endrin ketone	77.2	µg/kg	28.3	81.161	<14.8	95.1	54-146			
gamma-BHC (Lindane)	72.6	µg/kg	28.3	81.161	<16.0	89.4	58-145			
Heptachlor	78.7	µg/kg	28.3	81.161	<15.7	97.0	51-145			
Heptachlor epoxide	80.8	µg/kg	28.3	81.161	<16.1	99.6	59-143			
Methoxychlor	78.4	µg/kg	28.3	81.161	<16.3	96.7	43-144			
trans-Chlordane	73.1	µg/kg	28.3	81.161	<16.2	90.1	56-145			
Surr: Decachlorobiphenyl	73.1	µg/kg		81.161		90.1	53-151			
Surr: Tetrachloro-m-xylene	77.5	µg/kg		81.161		95.5	67-127			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2464719-006
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/24/26 17:41

Prep Date: 02/23/26 17:01

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	71.7	µg/kg	28.3	81.161	<15.6	88.3	55-141	5.02	20	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2464719

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3903341

MSD	CLIENT ID: Batch QC	Lab ID: QC-2464719-006
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Method: EPA 8081B

Dilution: 1

Analysis Date: 02/24/26 17:41

Prep Date: 02/23/26 17:01

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDE	65.3	µg/kg	28.3	81.161	<16.0	76.4	55-143	4.85	20	
4,4'-DDT	76.8	µg/kg	28.3	81.161	<16.2	88.3	50-144	13.8	20	
Aldrin	76.1	µg/kg	28.3	81.161	<15.8	93.7	57-141	6.20	20	
alpha-BHC	69.0	µg/kg	28.3	81.161	<16.0	85.1	58-144	4.60	20	
beta-BHC	61.8	µg/kg	28.3	81.161	<16.0	76.2	55-147	0.990	20	
cis-Chlordane	69.7	µg/kg	28.3	81.161	<16.3	85.9	58-142	5.33	20	
delta-BHC	59.7	µg/kg	28.3	81.161	<15.9	73.6	59-142	8.03	20	
Dieldrin	74.5	µg/kg	28.3	81.161	<17.0	90.6	59-142	7.55	20	
Endosulfan I	69.6	µg/kg	28.3	81.161	<16.4	85.8	57-145	11.2	20	
Endosulfan II	71.5	µg/kg	28.3	81.161	<16.1	88.1	58-138	10.2	20	
Endosulfan sulfate	65.5	µg/kg	28.3	81.161	<15.0	80.7	54-135	10.3	20	
Endrin	74.9	µg/kg	28.3	81.161	<19.7	92.3	45-150	6.30	20	
Endrin aldehyde	68.4	µg/kg	28.3	81.161	<15.4	84.3	41-147	20.8	20	R
Endrin ketone	70.6	µg/kg	28.3	81.161	<14.8	87.0	54-146	8.95	20	
gamma-BHC (Lindane)	67.3	µg/kg	28.3	81.161	<16.0	82.9	58-145	7.54	20	
Heptachlor	73.5	µg/kg	28.3	81.161	<15.7	90.5	51-145	6.88	20	
Heptachlor epoxide	76.3	µg/kg	28.3	81.161	<16.1	94.1	59-143	5.73	20	
Methoxychlor	67.9	µg/kg	28.3	81.161	<16.3	83.7	43-144	14.4	20	
trans-Chlordane	68.8	µg/kg	28.3	81.161	<16.2	84.8	56-145	6.12	20	
Surr: Decachlorobiphenyl	67.1	µg/kg		81.161		82.7	53-151	8.63	30	
Surr: Tetrachloro-m-xylene	73.3	µg/kg		81.161		90.4	67-127	5.49	30	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2464717

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3901604

Polychlorinated Biphenyls (PCBs) by GC/ECD

MB **CLIENT ID: Method Blank** **Lab ID: QC-2464717-001**

Method: EPA 8082A **Dilution:** 1 **Analysis Date:** 02/24/26 10:29
Prep Date: 02/23/26 16:52

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	32.9	µg/kg		33.3		98.7	54-146			
Surr: Tetrachloro-m-xylene	33.6	µg/kg		33.3		101	58-140			

LCS **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2464717-002**

Method: EPA 8082A **Dilution:** 1 **Analysis Date:** 02/24/26 10:41
Prep Date: 02/23/26 16:52

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	797	µg/kg	66.7	833		95.7	71-135			
Aroclor 1260	792	µg/kg	66.7	833		95.1	67-135			
Surr: Decachlorobiphenyl	31.7	µg/kg		33.3		95.2	54-146			
Surr: Tetrachloro-m-xylene	29.7	µg/kg		33.3		89.1	58-140			

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2464717

Work Order: HN2602410
Date Collected: 02/17/26 10:23
Date Received: 02/18/26 08:00
Run ID: 3903092

Polychlorinated Biphenyls (PCBs) by GC/ECD

MS	CLIENT ID: Batch QC	Lab ID: QC-2464717-005
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Method: EPA 8082A **Dilution:** 1 **Analysis Date:** 02/24/26 16:48
Prep Date: 02/23/26 16:52

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	1970	µg/kg	191	2051.7	<56.3	96.3	71-135			
Aroclor 1260	2040	µg/kg	191	2051.7	<45.9	99.3	67-135			
Surr: Decachlorobiphenyl	86.5	µg/kg		82.02		105	54-146			
Surr: Tetrachloro-m-xylene	74.9	µg/kg		82.02		91.3	58-140			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2464717-006
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Method: EPA 8082A **Dilution:** 1 **Analysis Date:** 02/24/26 17:00
Prep Date: 02/23/26 16:52

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	2180	µg/kg	191	2051.7	<56.3	106	71-135	10.1	20	
Aroclor 1260	2190	µg/kg	191	2051.7	<45.9	107	67-135	7.20	20	
Surr: Decachlorobiphenyl	91.0	µg/kg		82.02		111	54-146	5.14	30	
Surr: Tetrachloro-m-xylene	81.6	µg/kg		82.02		99.4	58-140	8.50	30	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

Semivolatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2465823-001
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 16:22

Prep Date: 02/24/26 13:08

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

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

MB	CLIENT ID: Method Blank	Lab ID: QC-2465823-001
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 16:22

Prep Date: 02/24/26 13:08

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	2260	µg/kg		3333		67.9	48-94			
Surr: 2-Fluorobiphenyl	2650	µg/kg		3333		79.5	50-103			
Surr: 2-Fluorophenol	2520	µg/kg		3333		75.6	43-105			
Surr: 4-Terphenyl-d14	2760	µg/kg		3333		82.8	55-111			
Surr: Nitrobenzene-d5	2930	µg/kg		3333		88.0	47-100			
Surr: Phenol-d6	2780	µg/kg		3333		83.3	49-110			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2465823-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 16:49

Prep Date: 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1100	µg/kg	33.0	1333		82.8	57-101			
1,2,4,5-Tetrachlorobenzene	1110	µg/kg	333	1333		83.2	54-98			
1-Methylnaphthalene	1070	µg/kg	6.67	1333		80.6	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	1010	µg/kg	33.0	1333		75.8	50-101			
2,3,4,6-Tetrachlorophenol	909	µg/kg	67.0	1333		68.2	48-103			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2465823-002
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 16:49

Prep Date: 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	859	µg/kg	33.0	1333		64.5	54-98			
2,4,6-Trichlorophenol	951	µg/kg	33.0	1333		71.4	56-97			
2,4-Dichlorophenol	984	µg/kg	33.0	1333		73.8	54-99			
2,4-Dimethylphenol	848	µg/kg	33.0	1333		63.6	47-102			
2,4-Dinitrophenol	497	µg/kg	333	1333		37.3	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1040	µg/kg	33.0	1333		78.0	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1050	µg/kg	33.0	1333		78.8	62-103			
2-Chloronaphthalene	950	µg/kg	6.67	1333		71.3	57-101			
2-Chlorophenol	999	µg/kg	33.0	1333		75.0	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	789	µg/kg	33.0	1333		59.2	42-104			
2-Methylnaphthalene	1060	µg/kg	6.67	1333		79.7	55-102			
2-Methylphenol (o-Cresol)	971	µg/kg	33.0	1333		72.9	54-103			
2-Nitroaniline	1010	µg/kg	33.0	1333		76.1	57-103			
2-Nitrophenol	1040	µg/kg	33.0	1333		78.0	52-102			
3&4-Methylphenol	965	µg/kg	33.0	1333		72.4	56-103			
3,3'-Dichlorobenzidine	635	µg/kg	167	1333		47.7	41-91			
3-Nitroaniline	735	µg/kg	33.0	1333		55.1	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1030	µg/kg	33.0	1333		77.5	63-104			
4-Chloro-3-methylphenol	1020	µg/kg	33.0	1333		76.8	57-103			
4-Chloroaniline	1090	µg/kg	67.0	1333		81.5	32-99			
4-Chlorophenyl phenylether	1090	µg/kg	33.0	1333		82.0	62-100			
4-Nitroaniline	603	µg/kg	167	1333		45.2	19-124			
4-Nitrophenol	705	µg/kg	333	1333		52.9	44-106			
Acenaphthene	1030	µg/kg	6.67	1333		77.6	60-101			
Acenaphthylene	1060	µg/kg	6.67	1333		79.8	59-101			
Acetophenone	1010	µg/kg	33.0	1333		76.0	54-102			
Anthracene	1030	µg/kg	6.67	1333		77.4	63-96			
Atrazine	1130	µg/kg	33.0	1333		85.0	60-110			
Benzaldehyde	394	µg/kg	67.0	1333		29.6	10-143			
Benzo(a)anthracene	1040	µg/kg	6.67	1333		77.8	66-102			
Benzo(a)pyrene	1060	µg/kg	6.67	1333		79.6	66-105			
Benzo(b)fluoranthene	996	µg/kg	6.67	1333		74.7	67-105			
Benzo(g,h,i)perylene	979	µg/kg	6.67	1333		73.4	59-110			
Benzo(k)fluoranthene	1120	µg/kg	6.67	1333		84.0	68-106			
bis(2-Chloroethoxy)methane	1010	µg/kg	33.0	1333		75.8	54-102			
bis(2-Chloroethyl) ether	1070	µg/kg	33.0	1333		80.0	51-101			
Butyl benzyl phthalate	980	µg/kg	67.0	1333		73.5	59-107			
Caprolactam	883	µg/kg	33.0	1333		66.3	49-103			
Carbazole	1020	µg/kg	33.0	1333		76.6	63-103			
Chrysene	1060	µg/kg	6.67	1333		79.3	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1010	µg/kg	33.0	1333		75.6	63-101			
Dibenz(a,h) anthracene	1000	µg/kg	33.0	1333		75.1	61-109			
Dibenzofuran	1050	µg/kg	33.0	1333		78.5	61-101			
Diethyl phthalate	1040	µg/kg	33.0	1333		78.0	63-105			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2465823-002
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/25/26 16:49**Prep Date:** 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Dimethyl phthalate	1040	µg/kg	33.0	1333		78.0	64-104			
Fluoranthene	1030	µg/kg	6.67	1333		77.1	66-105			
Fluorene	1070	µg/kg	6.67	1333		80.5	62-101			
Hexachlorobenzene	1010	µg/kg	33.0	1333		75.8	61-104			
Hexachlorobutadiene	1090	µg/kg	33.0	1333		81.4	52-99			
Hexachlorocyclopentadiene	834	µg/kg	33.0	1333		62.6	39-106			
Hexachloroethane	984	µg/kg	33.0	1333		73.8	59-99			
Indeno(1,2,3-cd) pyrene	1000	µg/kg	6.67	1333		75.1	57-114			
Isophorone	1040	µg/kg	167	1333		78.4	55-101			
Methylphenol, Total	1940	µg/kg	67.0	2667		72.6	54-103			
Naphthalene	1090	µg/kg	6.67	1333		81.9	54-99			
Nitrobenzene	1050	µg/kg	167	1333		78.8	53-100			
n-Nitrosodi-n-propylamine	977	µg/kg	33.0	1333		73.3	52-104			
N-Nitrosodiphenylamine	1000	µg/kg	33.0	1333		75.4	61-104			
Pentachlorophenol	577	µg/kg	33.0	1333		43.3	35-100			
Phenanthrene	1050	µg/kg	6.67	1333		78.5	64-101			
Phenol	1030	µg/kg	33.0	1333		77.5	51-107			
Pyrene	1020	µg/kg	6.67	1333		76.2	62-114			
Pyridine	938	µg/kg	167	1333		70.4	40-84			
Surr: 2,4,6-Tribromophenol	2420	µg/kg		3333		72.5	48-94			
Surr: 2-Fluorobiphenyl	2510	µg/kg		3333		75.3	50-103			
Surr: 2-Fluorophenol	2490	µg/kg		3333		74.8	43-105			
Surr: 4-Terphenyl-d14	2430	µg/kg		3333		72.9	55-111			
Surr: Nitrobenzene-d5	2700	µg/kg		3333		81.0	47-100			
Surr: Phenol-d6	2680	µg/kg		3333		80.4	49-110			

MS	CLIENT ID: Batch QC	Lab ID: QC-2465823-005
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 02/25/26 18:38**Prep Date:** 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	2660	µg/kg	95.9	3332.5	<13.5	79.7	57-101			
1,2,4,5-Tetrachlorobenzene	2740	µg/kg	968	3332.5	<19.2	82.2	54-98			
1-Methylnaphthalene	2660	µg/kg	19.4	3332.5	<12.0	79.4	56-100			
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	2460	µg/kg	95.9	3332.5	<19.5	74.0	50-101			
2,3,4,6-Tetrachlorophenol	2470	µg/kg	194	3332.5	<61.0	74.1	48-103			
2,4,5-Trichlorophenol	2470	µg/kg	95.9	3332.5	<49.4	74.0	54-98			
2,4,6-Trichlorophenol	2570	µg/kg	95.9	3332.5	<22.2	77.1	56-97			
2,4-Dichlorophenol	2560	µg/kg	95.9	3332.5	<44.8	76.7	54-99			
2,4-Dimethylphenol	2290	µg/kg	95.9	3332.5	<42.8	68.8	47-102			
2,4-Dinitrophenol	<609	µg/kg	968	3332.5	<609	13.3	10-100			
2,4-Dinitrotoluene (2,4-DNT)	2600	µg/kg	95.9	3332.5	<54.1	78.1	62-105			
2,6-Dinitrotoluene (2,6-DNT)	2620	µg/kg	95.9	3332.5	<21.3	78.5	62-103			
2-Chloronaphthalene	2420	µg/kg	19.4	3332.5	<11.6	72.7	57-101			

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QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

MS	CLIENT ID: Batch QC	Lab ID: QC-2465823-005
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 18:38

Prep Date: 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2-Chlorophenol	2460	µg/kg	95.9	3332.5	<54.5	73.8	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	1860	µg/kg	95.9	3332.5	<69.6	55.9	42-104			
2-Methylnaphthalene	2600	µg/kg	19.4	3332.5	16.0	77.7	55-102			
2-Methylphenol (o-Cresol)	2330	µg/kg	95.9	3332.5	<22.5	69.8	54-103			
2-Nitroaniline	2590	µg/kg	95.9	3332.5	<46.3	77.6	57-103			
2-Nitrophenol	2720	µg/kg	95.9	3332.5	<23.8	81.8	52-102			
3&4-Methylphenol	2330	µg/kg	95.9	3332.5	<45.4	70.0	56-103			
3,3'-Dichlorobenzidine	1740	µg/kg	485	3332.5	<38.9	52.2	41-91			
3-Nitroaniline	1840	µg/kg	95.9	3332.5	<48.4	55.3	35-107			
4-Bromophenyl phenyl ether (BDE-3)	2590	µg/kg	95.9	3332.5	<45.6	77.7	63-104			
4-Chloro-3-methylphenol	2480	µg/kg	95.9	3332.5	<23.8	74.5	57-103			
4-Chloroaniline	2500	µg/kg	194	3332.5	<42.4	75.0	32-99			
4-Chlorophenyl phenylether	2700	µg/kg	95.9	3332.5	<23.0	81.1	62-100			
4-Nitroaniline	1340	µg/kg	485	3332.5	<129	40.2	19-124			
4-Nitrophenol	2110	µg/kg	968	3332.5	<195	63.3	44-106			
Acenaphthene	2700	µg/kg	19.4	3332.5	<12.0	80.9	60-101			
Acenaphthylene	2670	µg/kg	19.4	3332.5	<14.4	80.2	59-101			
Acetophenone	2420	µg/kg	95.9	3332.5	<13.0	72.7	54-102			
Anthracene	2790	µg/kg	19.4	3332.5	33.8	82.9	63-96			
Atrazine	2880	µg/kg	95.9	3332.5	<48.8	86.3	60-110			
Benzaldehyde	1100	µg/kg	194	3332.5	<128	33.0	10-143			
Benzo(a)anthracene	3200	µg/kg	19.4	3332.5	175	91.4	66-102			
Benzo(a)pyrene	3150	µg/kg	19.4	3332.5	171	90.2	66-105			
Benzo(b)fluoranthene	3220	µg/kg	19.4	3332.5	221	90.9	67-105			
Benzo(g,h,i)perylene	2630	µg/kg	19.4	3332.5	105	76.2	59-110			
Benzo(k)fluoranthene	3000	µg/kg	19.4	3332.5	81.9	87.9	68-106			
bis(2-Chloroethoxy)methane	2630	µg/kg	95.9	3332.5	<52.8	78.9	54-102			
bis(2-Chloroethyl) ether	2350	µg/kg	95.9	3332.5	<23.6	70.4	51-101			
Butyl benzyl phthalate	2630	µg/kg	194	3332.5	<104	78.1	59-107			
Caprolactam	2060	µg/kg	95.9	3332.5	<75.2	61.8	49-103			
Carbazole	2700	µg/kg	95.9	3332.5	<24.6	80.3	63-103			
Chrysene	3200	µg/kg	19.4	3332.5	182	91.4	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	2680	µg/kg	95.9	3332.5	<68.9	79.1	63-101			
Dibenz(a,h) anthracene	2450	µg/kg	95.9	3332.5	30.3	72.8	61-109			
Dibenzofuran	2680	µg/kg	95.9	3332.5	<12.2	80.4	61-101			
Diethyl phthalate	2550	µg/kg	95.9	3332.5	<28.4	76.6	63-105			
Dimethyl phthalate	2570	µg/kg	95.9	3332.5	<16.2	77.1	64-104			
Fluoranthene	4030	µg/kg	19.4	3332.5	367	112	66-105			
Fluorene	2760	µg/kg	19.4	3332.5	<12.1	82.9	62-101			
Hexachlorobenzene	2610	µg/kg	95.9	3332.5	<24.2	78.4	61-104			
Hexachlorobutadiene	2750	µg/kg	95.9	3332.5	<19.6	82.6	52-99			
Hexachlorocyclopentadiene	1660	µg/kg	95.9	3332.5	<81.5	49.9	39-106			
Hexachloroethane	2450	µg/kg	95.9	3332.5	<34.5	73.4	59-99			
Indeno(1,2,3-cd) pyrene	2760	µg/kg	19.4	3332.5	118	79.6	57-114			

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QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

MS		CLIENT ID: Batch QC				Lab ID: QC-2465823-005				
Method: EPA 8270E		Dilution: 1				Analysis Date: 02/25/26 18:38				
						Prep Date: 02/24/26 13:08				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Isophorone	2530	µg/kg	485	3332.5	<16.3	75.9	55-101			
Methylphenol, Total	4660	µg/kg	95.9	6667.5	<22.5	69.9	54-103			
Naphthalene	2760	µg/kg	19.4	3332.5	<10.6	82.5	54-99			
Nitrobenzene	2650	µg/kg	485	3332.5	<28.0	79.5	53-100			
n-Nitrosodi-n-propylamine	2360	µg/kg	95.9	3332.5	<13.8	70.8	52-104			
N-Nitrosodiphenylamine	2550	µg/kg	95.9	3332.5	<48.2	76.6	61-104			
Pentachlorophenol	1800	µg/kg	95.9	3332.5	<66.2	54.2	35-100			
Phenanthrene	3500	µg/kg	19.4	3332.5	158	101	64-101			
Phenol	2450	µg/kg	95.9	3332.5	<41.8	73.4	51-107			
Pyrene	4010	µg/kg	19.4	3332.5	369	111	52-114			
Pyridine	2430	µg/kg	485	3332.5	<164	72.9	40-84			
Surr: 2,4,6-Tribromophenol	6410	µg/kg		8332.5		76.9	48-94			
Surr: 2-Fluorobiphenyl	6300	µg/kg		8332.5		75.6	50-103			
Surr: 2-Fluorophenol	6070	µg/kg		8332.5		72.8	43-105			
Surr: 4-Terphenyl-d14	6310	µg/kg		8332.5		75.7	55-111			
Surr: Nitrobenzene-d5	6760	µg/kg		8332.5		81.1	47-100			
Surr: Phenol-d6	6300	µg/kg		8332.5		75.6	49-110			

MSD		CLIENT ID: Batch QC				Lab ID: QC-2465823-006				
Method: EPA 8270E		Dilution: 1				Analysis Date: 02/25/26 19:05				
						Prep Date: 02/24/26 13:08				
Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	2560	µg/kg	95.9	3332.5	<13.5	76.7	57-101	3.90	30	
1,2,4,5-Tetrachlorobenzene	2580	µg/kg	968	3332.5	<19.2	77.3	54-98	6.15	30	
1-Methylnaphthalene	2520	µg/kg	19.4	3332.5	<12.0	75.4	56-100	5.09	30	
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	2350	µg/kg	95.9	3332.5	<19.5	70.5	50-101	4.78	30	
2,3,4,6-Tetrachlorophenol	2430	µg/kg	194	3332.5	<61.0	73.0	48-103	1.50	30	
2,4,5-Trichlorophenol	2310	µg/kg	95.9	3332.5	<49.4	69.2	54-98	6.70	30	
2,4,6-Trichlorophenol	2420	µg/kg	95.9	3332.5	<22.2	72.5	56-97	6.22	30	
2,4-Dichlorophenol	2410	µg/kg	95.9	3332.5	<44.8	72.4	54-99	5.70	30	
2,4-Dimethylphenol	2080	µg/kg	95.9	3332.5	<42.8	62.4	47-102	9.76	30	
2,4-Dinitrophenol	<609	µg/kg	968	3332.5	<609	23.5	10-100	0.00	30	U
2,4-Dinitrotoluene (2,4-DNT)	2410	µg/kg	95.9	3332.5	<54.1	72.4	62-105	7.58	30	
2,6-Dinitrotoluene (2,6-DNT)	2450	µg/kg	95.9	3332.5	<21.3	73.5	62-103	6.58	30	
2-Chloronaphthalene	2260	µg/kg	19.4	3332.5	<11.6	67.9	57-101	6.76	30	
2-Chlorophenol	2350	µg/kg	95.9	3332.5	<54.5	70.4	52-102	4.72	30	
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	1900	µg/kg	95.9	3332.5	<69.6	57.2	42-104	2.30	30	
2-Methylnaphthalene	2510	µg/kg	19.4	3332.5	16.0	75.0	55-102	3.52	30	
2-Methylphenol (o-Cresol)	2200	µg/kg	95.9	3332.5	<22.5	65.9	54-103	5.82	30	
2-Nitroaniline	2410	µg/kg	95.9	3332.5	<46.3	72.4	57-103	7.00	30	
2-Nitrophenol	2550	µg/kg	95.9	3332.5	<23.8	76.5	52-102	6.70	30	
3&4-Methylphenol	2240	µg/kg	95.9	3332.5	<45.4	67.3	56-103	3.94	30	
3,3'-Dichlorobenzidine	1250	µg/kg	485	3332.5	<38.9	37.5	41-91	32.9	30	RS

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

MSD	CLIENT ID: Batch QC	Lab ID: QC-2465823-006
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 19:05

Prep Date: 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
3-Nitroaniline	1650	µg/kg	95.9	3332.5	<48.4	49.4	35-107	11.3	30	
4-Bromophenyl phenyl ether (BDE-3)	2380	µg/kg	95.9	3332.5	<45.6	71.6	63-104	8.18	30	
4-Chloro-3-methylphenol	2410	µg/kg	95.9	3332.5	<23.8	72.4	57-103	2.93	30	
4-Chloroaniline	2290	µg/kg	194	3332.5	<42.4	68.7	32-99	8.77	30	
4-Chlorophenyl phenylether	2550	µg/kg	95.9	3332.5	<23.0	76.4	62-100	5.91	30	
4-Nitroaniline	1210	µg/kg	485	3332.5	<129	36.3	19-124	10.3	30	
4-Nitrophenol	2010	µg/kg	968	3332.5	<195	60.2	44-106	5.02	30	
Acenaphthene	2420	µg/kg	19.4	3332.5	<12.0	72.5	60-101	10.9	30	
Acenaphthylene	2490	µg/kg	19.4	3332.5	<14.4	74.8	59-101	7.03	30	
Acetophenone	2320	µg/kg	95.9	3332.5	<13.0	69.6	54-102	4.29	30	
Anthracene	2520	µg/kg	19.4	3332.5	33.8	74.6	63-96	10.4	30	
Atrazine	2640	µg/kg	95.9	3332.5	<48.8	79.1	60-110	8.71	30	
Benzaldehyde	1150	µg/kg	194	3332.5	<128	34.6	10-143	4.59	30	
Benzo(a)anthracene	2760	µg/kg	19.4	3332.5	175	78.3	66-102	14.7	30	
Benzo(a)pyrene	2750	µg/kg	19.4	3332.5	171	78.2	66-105	13.6	30	
Benzo(b)fluoranthene	2600	µg/kg	19.4	3332.5	221	72.3	67-105	21.3	30	
Benzo(g,h,i)perylene	2110	µg/kg	19.4	3332.5	105	60.5	59-110	22.0	30	
Benzo(k)fluoranthene	2760	µg/kg	19.4	3332.5	81.9	80.6	68-106	8.40	30	
bis(2-Chloroethoxy)methane	2350	µg/kg	95.9	3332.5	<52.8	70.5	54-102	11.2	30	
bis(2-Chloroethyl) ether	2230	µg/kg	95.9	3332.5	<23.6	67.0	51-101	4.95	30	
Butyl benzyl phthalate	2490	µg/kg	194	3332.5	<104	73.9	59-107	5.47	30	
Caprolactam	2010	µg/kg	95.9	3332.5	<75.2	60.3	49-103	2.38	30	
Carbazole	2440	µg/kg	95.9	3332.5	<24.6	72.5	63-103	10.1	30	
Chrysene	2720	µg/kg	19.4	3332.5	182	76.9	66-105	16.3	30	
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	2500	µg/kg	95.9	3332.5	<68.9	73.9	63-101	6.69	30	
Dibenz(a,h) anthracene	2230	µg/kg	95.9	3332.5	30.3	66.0	61-109	9.62	30	
Dibenzofuran	2500	µg/kg	95.9	3332.5	<12.2	75.0	61-101	6.95	30	
Diethyl phthalate	2380	µg/kg	95.9	3332.5	<28.4	71.3	63-105	7.17	30	
Dimethyl phthalate	2380	µg/kg	95.9	3332.5	<16.2	71.6	64-104	7.47	30	
Fluoranthene	2960	µg/kg	19.4	3332.5	367	79.4	66-105	30.6	30	R
Fluorene	2550	µg/kg	19.4	3332.5	<12.1	76.6	62-101	7.84	30	
Hexachlorobenzene	2400	µg/kg	95.9	3332.5	<24.2	72.2	61-104	8.24	30	
Hexachlorobutadiene	2550	µg/kg	95.9	3332.5	<19.6	76.6	52-99	7.60	30	
Hexachlorocyclopentadiene	1340	µg/kg	95.9	3332.5	<81.5	40.2	39-106	21.5	30	
Hexachloroethane	2360	µg/kg	95.9	3332.5	<34.5	70.8	59-99	3.61	30	
Indeno(1,2,3-cd) pyrene	2280	µg/kg	19.4	3332.5	118	65.5	57-114	18.7	30	
Isophorone	2350	µg/kg	485	3332.5	<16.3	70.5	55-101	7.38	30	
Methylphenol, Total	4440	µg/kg	95.9	6667.5	<22.5	66.5	54-103	4.87	30	
Naphthalene	2540	µg/kg	19.4	3332.5	<10.6	76.0	54-99	8.18	30	
Nitrobenzene	2440	µg/kg	485	3332.5	<28.0	73.2	53-100	8.19	30	
n-Nitrosodi-n-propylamine	2270	µg/kg	95.9	3332.5	<13.8	68.1	52-104	3.89	30	
N-Nitrosodiphenylamine	2340	µg/kg	95.9	3332.5	<48.2	70.3	61-104	8.58	30	
Pentachlorophenol	1820	µg/kg	95.9	3332.5	<66.2	54.6	35-100	0.736	30	
Phenanthrene	2750	µg/kg	19.4	3332.5	158	78.4	64-101	24.0	30	
Phenol	2400	µg/kg	95.9	3332.5	<41.8	72.1	51-107	1.79	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2465823

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3904123

MSD	CLIENT ID: Batch QC	Lab ID: QC-2465823-006
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Method: EPA 8270E

Dilution: 1

Analysis Date: 02/25/26 19:05

Prep Date: 02/24/26 13:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Pyrene	3160	µg/kg	19.4	3332.5	369	85.2	52-114	23.8	30	
Pyridine	2280	µg/kg	485	3332.5	<164	68.5	40-84	6.30	30	
Surr: 2,4,6-Tribromophenol	5920	µg/kg		8332.5		71.0	48-94	7.95	30	
Surr: 2-Fluorobiphenyl	5760	µg/kg		8332.5		69.1	50-103	9.07	30	
Surr: 2-Fluorophenol	5660	µg/kg		8332.5		67.9	43-105	6.97	30	
Surr: 4-Terphenyl-d14	5990	µg/kg		8332.5		71.9	55-111	5.26	30	
Surr: Nitrobenzene-d5	6110	µg/kg		8332.5		73.3	47-100	10.1	30	
Surr: Phenol-d6	6050	µg/kg		8332.5		72.6	49-110	4.10	30	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

Volatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2458464-001
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/20/26 22:15

Prep Date: 02/18/26 11:33

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: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

MB	CLIENT ID: Method Blank	Lab ID: QC-2458464-001
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/20/26 22:15

Prep Date: 02/18/26 11:33

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	1040	µg/kg		1000		104	80-120			
Surr: 4-Bromofluorobenzene	1000	µg/kg		1000		100	80-120			
Surr: Dibromofluoromethane	946	µg/kg		1000		94.6	72-120			
Surr: Toluene-d8	1010	µg/kg		1000		101	80-120			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2458464-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/20/26 21:27

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1000	µg/kg	30.0	1000		100	75-121			
1,1,2,2-Tetrachloroethane	864	µg/kg	30.0	1000		86.4	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1020	µg/kg	30.0	1000		102	62-129			
1,1,2-Trichloroethane	872	µg/kg	30.0	1000		87.2	80-123			
1,1-Dichloroethane	881	µg/kg	30.0	1000		88.1	74-124			
1,1-Dichloroethylene	878	µg/kg	30.0	1000		87.8	68-131			
1,2,3-Trichlorobenzene	854	µg/kg	100	1000		85.4	60-135			
1,2,3-Trichloropropane	864	µg/kg	30.0	1000		86.4	77-121			
1,2,4-Trichlorobenzene	906	µg/kg	100	1000		90.6	63-130			
1,2,4-Trimethylbenzene	881	µg/kg	30.0	1000		88.1	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	870	µg/kg	100	1000		87.0	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	871	µg/kg	30.0	1000		87.1	63-155			
1,2-Dichlorobenzene (o-Dichlorobenzene)	895	µg/kg	30.0	1000		89.5	77-122			



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2458464-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/20/26 21:27

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichloroethane (Ethylene dichloride)	894	µg/kg	100	1000		89.4	70-130			
1,2-Dichloropropane	834	µg/kg	30.0	1000		83.4	71-130			
1,3,5-Trimethylbenzene	876	µg/kg	100	1000		87.6	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	880	µg/kg	30.0	1000		88.0	78-121			
1,3-Dichloropropene	1760	µg/kg	60.0	2000		87.9	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	904	µg/kg	30.0	1000		90.4	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	934	µg/kg	200	1000		93.4	47-164			
2-Hexanone	936	µg/kg	30.0	1000		93.6	70-137			
4-Methyl-2-pentanone (MIBK)	1360	µg/kg	30.0	1000		136	57-200			
Acetone	899	µg/kg	100	1000		89.9	52-190			
Benzene	912	µg/kg	30.0	1000		91.2	78-122			
Bromochloromethane	868	µg/kg	30.0	1000		86.8	68-130			
Bromodichloromethane	826	µg/kg	30.0	1000		82.6	75-125			
Bromoform	934	µg/kg	30.0	1000		93.4	59-120			
Carbon disulfide	1120	µg/kg	30.0	1000		112	60-163			
Carbon tetrachloride	972	µg/kg	30.0	1000		97.2	69-123			
Chlorobenzene	875	µg/kg	30.0	1000		87.5	79-120			
Chlorodibromomethane	904	µg/kg	30.0	1000		90.4	57-123			
Chloroethane (Ethyl chloride)	916	µg/kg	100	1000		91.6	38-132			
Chloroform	876	µg/kg	30.0	1000		87.6	72-122			
cis-1,2-Dichloroethylene	908	µg/kg	30.0	1000		90.8	74-125			
cis-1,3-Dichloropropene	892	µg/kg	30.0	1000		89.2	62-124			
Dichlorodifluoromethane (Freon-12)	856	µg/kg	100	1000		85.6	28-137			
Ethylbenzene	862	µg/kg	30.0	1000		86.2	75-121			
Isopropylbenzene	862	µg/kg	30.0	1000		86.2	74-121			
m+p-Xylene	1790	µg/kg	60.0	2000		89.3	67-129			
Methyl acetate	1210	µg/kg	250	1000		121	61-125			
Methyl bromide (Bromomethane)	882	µg/kg	100	1000		88.2	31-169			
Methyl chloride (Chloromethane)	784	µg/kg	100	1000		78.4	24-119			
Methyl tert-butyl ether (MTBE)	993	µg/kg	30.0	1000		99.3	79-139			
Methylene chloride (Dichloromethane)	941	µg/kg	250	1000		94.1	62-135			
o-Xylene	888	µg/kg	30.0	1000		88.8	75-120			
Styrene	864	µg/kg	30.0	1000		86.4	74-126			
Tetrachloroethylene (Perchloroethylene)	916	µg/kg	30.0	1000		91.6	76-128			
Toluene	869	µg/kg	30.0	1000		86.9	76-120			
Total Xylene	2670	µg/kg	90.0	3000		89.1	67-129			
trans-1,2-Dichloroethylene	954	µg/kg	30.0	1000		95.4	72-127			
trans-1,3-Dichloropropylene	866	µg/kg	30.0	1000		86.6	66-120			
Trichloroethene (Trichloroethylene)	866	µg/kg	30.0	1000		86.6	75-122			
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	1080	µg/kg	30.0	1000		108	51-115			
Vinyl chloride (Chloroethene)	894	µg/kg	30.0	1000		89.4	43-128			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2458464-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/20/26 21:27

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Surr: 1,2-Dichloroethane-d4	1000	µg/kg		1000		100	80-120			
Surr: 4-Bromofluorobenzene	1030	µg/kg		1000		103	80-120			
Surr: Dibromofluoromethane	1040	µg/kg		1000		104	72-120			
Surr: Toluene-d8	992	µg/kg		1000		99.2	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2458464-005
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/21/26 04:26

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2320	µg/kg	45.8	2081.2	<14.2	111	75-121			
1,1,2,2-Tetrachloroethane	1970	µg/kg	45.8	2081.2	<13.8	94.6	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2450	µg/kg	45.8	2081.2	<19.8	118	62-129			
1,1,2-Trichloroethane	1560	µg/kg	45.8	2081.2	<13.3	74.9	80-123			S
1,1-Dichloroethane	2260	µg/kg	45.8	2081.2	<11.4	109	74-124			
1,1-Dichloroethylene	2230	µg/kg	45.8	2081.2	<10.1	107	68-131			
1,2,3-Trichlorobenzene	1920	µg/kg	153	2081.2	<37.5	92.4	60-135			
1,2,3-Trichloropropane	2080	µg/kg	45.8	2081.2	<13.1	99.8	77-121			
1,2,4-Trichlorobenzene	2100	µg/kg	153	2081.2	<35.4	101	63-130			
1,2,4-Trimethylbenzene	2030	µg/kg	45.8	2081.2	<22.9	97.4	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	1790	µg/kg	153	2081.2	<28.7	85.9	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	1670	µg/kg	45.8	2081.2	<18.4	80.4	63-155			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1980	µg/kg	45.8	2081.2	<11.8	95.0	77-122			
1,2-Dichloroethane (Ethylene dichloride)	1990	µg/kg	153	2081.2	<27.4	95.4	70-130			
1,2-Dichloropropane	2040	µg/kg	45.8	2081.2	<23.0	98.0	71-130			
1,3,5-Trimethylbenzene	2120	µg/kg	153	2081.2	<22.0	102	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1990	µg/kg	45.8	2081.2	<21.6	95.8	78-121			
1,3-Dichloropropene	3660	µg/kg	91.5	4162.3	<17.4	88.0	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2050	µg/kg	45.8	2081.2	<25.4	98.4	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	2640	µg/kg	305	2081.2	<74.3	127	47-164			
2-Hexanone	1960	µg/kg	45.8	2081.2	<15.5	94.1	70-137			
4-Methyl-2-pentanone (MIBK)	2970	µg/kg	45.8	2081.2	<29.1	143	57-200			
Acetone	3830	µg/kg	153	2081.2	<92.6	184	52-190			
Benzene	1890	µg/kg	45.8	2081.2	<15.1	90.7	78-122			
Bromochloromethane	2210	µg/kg	45.8	2081.2	<15.9	106	68-130			
Bromodichloromethane	1890	µg/kg	45.8	2081.2	<17.5	90.7	75-125			
Bromoform	2030	µg/kg	45.8	2081.2	<13.1	97.5	59-120			
Carbon disulfide	2490	µg/kg	45.8	2081.2	<16.2	120	60-163			
Carbon tetrachloride	2190	µg/kg	45.8	2081.2	<12.2	105	69-123			
Chlorobenzene	2030	µg/kg	45.8	2081.2	<10.4	97.5	79-120			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

MS	CLIENT ID: Batch QC	Lab ID: QC-2458464-005
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/21/26 04:26

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chlorodibromomethane	1640	µg/kg	45.8	2081.2	<17.5	78.8	57-123			
Chloroethane (Ethyl chloride)	1780	µg/kg	153	2081.2	<87.4	85.6	38-132			
Chloroform	2150	µg/kg	45.8	2081.2	<11.4	103	72-122			
cis-1,2-Dichloroethylene	2270	µg/kg	45.8	2081.2	<20.1	109	74-125			
cis-1,3-Dichloropropene	2110	µg/kg	45.8	2081.2	<23.5	101	62-124			
Dichlorodifluoromethane (Freon-12)	1940	µg/kg	153	2081.2	<37.8	93.4	28-137			
Ethylbenzene	2070	µg/kg	45.8	2081.2	<22.1	99.3	75-121			
Isopropylbenzene	2120	µg/kg	45.8	2081.2	<19.7	102	74-121			
m+p-Xylene	4280	µg/kg	91.5	4162.3	<41.6	103	67-129			
Methyl acetate	2490	µg/kg	381	2081.2	<37.4	120	61-125			
Methyl bromide (Bromomethane)	1780	µg/kg	153	2081.2	<59.7	85.4	31-169			
Methyl chloride (Chloromethane)	1690	µg/kg	153	2081.2	<85.3	81.2	24-119			
Methyl tert-butyl ether (MTBE)	2150	µg/kg	45.8	2081.2	<22.8	103	79-139			
Methylene chloride (Dichloromethane)	2340	µg/kg	381	2081.2	<82.8	112	62-135			
o-Xylene	2080	µg/kg	45.8	2081.2	<12.1	100	75-120			
Styrene	2120	µg/kg	45.8	2081.2	<12.4	102	74-126			
Tetrachloroethylene (Perchloroethylene)	2920	µg/kg	45.8	2081.2	<18.8	140	76-128			S
Toluene	2140	µg/kg	45.8	2081.2	<25.7	103	76-120			
Total Xylene	6360	µg/kg	137	6243.5	<12.1	102	67-129			
trans-1,2-Dichloroethylene	2360	µg/kg	45.8	2081.2	<25.8	113	72-127			
trans-1,3-Dichloropropylene	1560	µg/kg	45.8	2081.2	<17.4	74.8	66-120			
Trichloroethene (Trichloroethylene)	2120	µg/kg	45.8	2081.2	<14.0	102	75-122			
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	2200	µg/kg	45.8	2081.2	<16.0	106	51-115			
Vinyl chloride (Chloroethene)	2000	µg/kg	45.8	2081.2	<20.7	95.9	43-128			
Surr: 1,2-Dichloroethane-d4	909	µg/kg		1040.6		87.4	80-120			
Surr: 4-Bromofluorobenzene	1120	µg/kg		1040.6		107	80-120			
Surr: Dibromofluoromethane	1060	µg/kg		1040.6		102	72-120			
Surr: Toluene-d8	1050	µg/kg		1040.6		101	80-120			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2458464-006
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/21/26 04:42

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2500	µg/kg	45.8	2081.2	<14.2	120	75-121	7.64	30	
1,1,2,2-Tetrachloroethane	1910	µg/kg	45.8	2081.2	<13.8	91.6	79-125	3.22	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2340	µg/kg	45.8	2081.2	<19.8	112	62-129	4.98	30	
1,1,2-Trichloroethane	1920	µg/kg	45.8	2081.2	<13.3	92.1	80-123	20.7	30	
1,1-Dichloroethane	2140	µg/kg	45.8	2081.2	<11.4	103	74-124	5.27	30	
1,1-Dichloroethylene	2210	µg/kg	45.8	2081.2	<10.1	106	68-131	0.867	30	
1,2,3-Trichlorobenzene	2390	µg/kg	153	2081.2	<37.5	115	60-135	21.5	30	
1,2,3-Trichloropropane	2110	µg/kg	45.8	2081.2	<13.1	101	77-121	1.34	30	
1,2,4-Trichlorobenzene	2480	µg/kg	153	2081.2	<35.4	119	63-130	16.5	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

MSD	CLIENT ID: Batch QC	Lab ID: QC-2458464-006
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/21/26 04:42

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	2120	µg/kg	45.8	2081.2	<22.9	102	64-126	4.52	30	
1,2-Dibromo-3-chloropropane (DBCP)	2080	µg/kg	153	2081.2	<28.7	100	55-135	15.2	30	
1,2-Dibromoethane (EDB, Ethylene dibromide)	2000	µg/kg	45.8	2081.2	<18.4	95.9	63-155	17.7	30	
1,2-Dichlorobenzene (o-Dichlorobenzene)	2360	µg/kg	45.8	2081.2	<11.8	114	77-122	17.7	30	
1,2-Dichloroethane (Ethylene dichloride)	2250	µg/kg	153	2081.2	<27.4	108	70-130	12.5	30	
1,2-Dichloropropane	2270	µg/kg	45.8	2081.2	<23.0	109	71-130	10.7	30	
1,3,5-Trimethylbenzene	2180	µg/kg	153	2081.2	<22.0	105	66-130	2.95	30	
1,3-Dichlorobenzene (m-Dichlorobenzene)	2050	µg/kg	45.8	2081.2	<21.6	98.5	78-121	2.80	30	
1,3-Dichloropropene	3720	µg/kg	91.5	4162.3	<17.4	89.5	62-124	1.69	30	
1,4-Dichlorobenzene (p-Dichlorobenzene)	2150	µg/kg	45.8	2081.2	<25.4	103	78-122	4.79	30	
2-Butanone (Methyl ethyl ketone, MEK)	2040	µg/kg	305	2081.2	<74.3	98.2	47-164	25.6	30	
2-Hexanone	2250	µg/kg	45.8	2081.2	<15.5	108	70-137	14.0	30	
4-Methyl-2-pentanone (MIBK)	3160	µg/kg	45.8	2081.2	<29.1	152	57-200	6.24	30	
Acetone	3370	µg/kg	153	2081.2	<92.6	162	52-190	12.8	30	
Benzene	2470	µg/kg	45.8	2081.2	<15.1	119	78-122	26.7	30	
Bromochloromethane	2060	µg/kg	45.8	2081.2	<15.9	99.1	68-130	7.08	30	
Bromodichloromethane	2120	µg/kg	45.8	2081.2	<17.5	102	75-125	11.8	30	
Bromoform	2030	µg/kg	45.8	2081.2	<13.1	97.7	59-120	0.154	30	
Carbon disulfide	2390	µg/kg	45.8	2081.2	<16.2	115	60-163	4.24	30	
Carbon tetrachloride	2410	µg/kg	45.8	2081.2	<12.2	116	69-123	9.58	30	
Chlorobenzene	2010	µg/kg	45.8	2081.2	<10.4	96.6	79-120	0.953	30	
Chlorodibromomethane	1910	µg/kg	45.8	2081.2	<17.5	91.7	57-123	15.2	30	
Chloroethane (Ethyl chloride)	1660	µg/kg	153	2081.2	<87.4	79.6	38-132	7.38	30	
Chloroform	1990	µg/kg	45.8	2081.2	<11.4	95.6	72-122	7.79	30	
cis-1,2-Dichloroethylene	1730	µg/kg	45.8	2081.2	<20.1	83.2	74-125	27.0	30	
cis-1,3-Dichloropropene	1860	µg/kg	45.8	2081.2	<23.5	89.4	62-124	12.4	30	
Dichlorodifluoromethane (Freon-12)	1840	µg/kg	153	2081.2	<37.8	88.2	28-137	5.62	30	
Ethylbenzene	2050	µg/kg	45.8	2081.2	<22.1	98.6	75-121	0.707	30	
Isopropylbenzene	2130	µg/kg	45.8	2081.2	<19.7	102	74-121	0.293	30	
m+p-Xylene	4200	µg/kg	91.5	4162.3	<41.6	101	67-129	1.87	30	
Methyl acetate	2630	µg/kg	381	2081.2	<37.4	126	61-125	5.59	30	S
Methyl bromide (Bromomethane)	1760	µg/kg	153	2081.2	<59.7	84.4	31-169	1.09	30	
Methyl chloride (Chloromethane)	1610	µg/kg	153	2081.2	<85.3	77.4	24-119	4.79	30	
Methyl tert-butyl ether (MTBE)	1800	µg/kg	45.8	2081.2	<22.8	86.3	79-139	17.9	30	
Methylene chloride (Dichloromethane)	2270	µg/kg	381	2081.2	<82.8	109	62-135	3.28	30	
o-Xylene	2070	µg/kg	45.8	2081.2	<12.1	99.7	75-120	0.325	30	
Styrene	2060	µg/kg	45.8	2081.2	<12.4	99.1	74-126	2.61	30	
Tetrachloroethylene (Perchloroethylene)	3740	µg/kg	45.8	2081.2	<18.8	180	76-128	24.7	30	S
Toluene	2030	µg/kg	45.8	2081.2	<25.7	97.3	76-120	5.52	30	
Total Xylene	6280	µg/kg	137	6243.5	<12.1	101	67-129	1.36	30	

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2458464

Work Order: HN2602410
Date Collected: NA
Date Received: NA
Run ID: 3897761

MSD	CLIENT ID: Batch QC	Lab ID: QC-2458464-006
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Method: EPA 8260D

Dilution: 1

Analysis Date: 02/21/26 04:42

Prep Date: 02/18/26 11:33

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
trans-1,2-Dichloroethylene	2220	µg/kg	45.8	2081.2	<25.8	107	72-127	6.04	30	
trans-1,3-Dichloropropylene	1860	µg/kg	45.8	2081.2	<17.4	89.5	66-120	18.0	30	
Trichloroethene (Trichloroethylene)	2440	µg/kg	45.8	2081.2	<14.0	117	75-122	14.0	30	
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	1910	µg/kg	45.8	2081.2	<16.0	91.9	51-115	14.2	30	
Vinyl chloride (Chloroethene)	1950	µg/kg	45.8	2081.2	<20.7	93.6	43-128	2.45	30	
Surr: 1,2-Dichloroethane-d4	1150	µg/kg		1040.6		110	80-120	23.1	30	
Surr: 4-Bromofluorobenzene	1110	µg/kg		1040.6		107	80-120	0.654	30	
Surr: Dibromofluoromethane	1190	µg/kg		1040.6		114	72-120	11.0	30	
Surr: Toluene-d8	1010	µg/kg		1040.6		96.8	80-120	4.15	30	

The following samples were analyzed in this batch: HN2602410-001, HN2602410-002, HN2602410-003



right solutions.
right partner.

April 14, 2026

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

Re: **4551 25th St**

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

Work Order: **HN2605063**

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: 4551 25th St

Work Order: HN2605063
Date Received: 31-Mar-2026

CASE NARRATIVE

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

Sample Receipt

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

SAMPLE 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: 4551 SB01 (1-2')_20260217

Lab ID: HN2605063-001

Analyte	Results	Flag	MRL	Units	Method
Lead	7.29		0.0499	mg/L	EPA 6020B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Workorder: HN2605063

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2605063-001	4551 SB01 (1-2')_20260217	SOIL	02/17/26 12:50	03/31/26 08:00

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

Environmental Division
Holland
Work Order Reference
HN2605063



Telephone : +1 616 399 6070

Kirby

3/31/26 0800

4.0°C 126



ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by: Kerry

Date/Time: 3/31/26 0800

Carrier Name: ALS

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

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

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

Chain of Custody present? Yes / No

COC signed when relinquished and received? Yes / No

COC agrees with sample labels? Yes / No

Samples in proper container/bottle? Yes / No

Sample containers intact? Yes / No

Sufficient sample volume for indicated test? Yes / No

All samples received within holding time? Yes / No

Container/Temp Blank temperature in compliance? Yes / No

Temperature(s) (°C): 4.0/4.0°C

Thermometer(s): 126

Sample(s) received on ice? Yes / No

Matrix/Matrices: 5012

Cooler(s)/Kit(s): _____

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

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

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

pH strip lot #: _____ < 2 _____ > 12 _____ Other _____

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

pH adjusted by: _____

Login Notes:

STORED IN LTS FRIDGE

REPORT QUALIFIERS AND DEFINITIONS

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

LABORATORY CERTIFICATIONS¹

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

1 – Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St

Work Order: HN2605063

Sample Name: 4551 SB01 (1-2')_20260217
Laboratory Code: HN2605063-001
Sample Matrix: SOIL

Date Collected: 02/17/26
Date Received: 03/31/26

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AC	2535307	Nicolee Allen	4013985	Hunter Johnson

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL

Work Order: HN2605063
Date Collected: 02/17/26 12:50
Date Received: 03/31/26 08:00

CLIENT ID: 4551 SB01 (1-2')_20260217	Lab ID: HN2605063-001
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Lead	EPA 6020B	7.29		mg/L	0.0499	1	04/13/26 17:46	04/12/26 11:09

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 4551 25th St
Matrix: SOIL/SOLID
QC Lot: 2535307

Work Order: HN2605063
Date Collected: NA
Date Received: NA
Run ID: 4013985

TCLP Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2535307-001
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/13/26 17:32
Prep Date: 04/12/26 11:10

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2535307-002
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/13/26 17:34
Prep Date: 04/12/26 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.01	mg/L	0.0499	1		101	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2535307-004
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/13/26 17:37
Prep Date: 04/12/26 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.07	mg/L	0.0499	1	0.108	96.4	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2535307-005
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 04/13/26 17:39
Prep Date: 04/12/26 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.05	mg/L	0.0499	1	0.108	93.8	75-125	2.47	20	

The following samples were analyzed in this batch: HN2605063-001