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FILL MATERIAL SAMPLING REPORT

8014 FOSTER STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48211



OCTOBER 31, 2025
REVISED DECEMBER 11, 2025

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



FILL MATERIAL SAMPLING REPORT

8014 FOSTER STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48211

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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 8014 Foster 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 8014 SB-01, 8014 SB-02, and 8014 SB-03 generally consisted of brown silty clay to six feet below ground surface (bgs), the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores ranged from 0.0 to 1.1 parts per million (ppm). There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities, however, concrete and brick debris was observed in all borings.
- Concentrations of arsenic, chromium (Total), ethylbenzene, lead, and naphthalene were detected in soil samples 8014 SB-01 (3-4') and/or 8014 SB-03 (5-6') in excess of their respective Part 201 drinking water protection criteria (DWPC), groundwater surface water interface protection criteria (GSIPC), direct contact criteria (DCC), and/or soil volatilization to indoor air pathway criteria (SVIAP).
- Toxicity Characteristic Leaching Procedure (TCLP) laboratory analytical results revealed that concentrations of arsenic, chromium and lead were not in excess of 40 C.F.R. § 261.24 Title 40 - *Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste*.
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, 4,4-DDE, anthracene, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, bis(2-ethylhexyl), cadmium, chloride, chrysene, copper, fluoranthene, indeno(1,2,3-cd)pyrene, mercury, methyl acetate, styrene, phthalate, phenanthrene, pyrene, selenium, and zinc were detected in soil samples 8014 SB-01 (3-4'), 8014 SB-02 (1-2'), and/or 8014 SB-03 (5-6') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- PCBs and pesticides and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable.

Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. Since the building on site has been razed, the soil volatilization to indoor air pathway 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 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 8014 Foster 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 August 11, 2025, and September 15, 2025. The findings of this report are valid as of the report date, subject to the limitations presented in *Appendix A, Limitations*.

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

2.0 PURPOSE AND SCOPE OF WORK

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

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

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

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

3.0 SITE ASSESSMENT METHODOLOGY

The following subsections describe the methodologies employed by MSG at the Site during sampling activities that were conducted on August 11, 2025, September 15, 2025, October 8, 2025, and October 20, 2025. Daily field activity reports prepared by MSG are presented in *Appendix B, Daily Field Reports*.

3.1 Preliminary Site Work Activities

Prior to conducting subsurface soil sampling activities, MSG contacted the MISSDIG utility locating system to identify and physically mark underground utilities. If necessary, proposed soil boring locations were modified based on the results of the utility markings. Additionally, MSG reviewed readily available Site building records

or documents to ensure that this scope of work was conducted on the correct property and in the areas of the former Site structure.

3.2 Soil Sample Collection

The sampling plan for the Site was based on the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and modified in the field (if necessary) based on encountered conditions and professional judgment of MSG's field personnel. MSG advanced three (3) soil borings, designated 8014 SB-01, 8014 SB-02, and 8014 SB-03, using a direct push drill rig at the locations depicted on Figure 2. Color photographs taken to document Site conditions prior to, during, and following soil boring advancement are provided in *Appendix C, Investigation Photographs*.

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

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

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

3.3 Toxicity Characteristic Leaching Procedure (TCLP) Soil Sample Collection

On September 15, 2025, MSG mobilized to the Site to collect an additional soil sample based on request from the COD in order to fulfill waste characterization parameters required at a Type II landfill. Sample location and analyte(s) were based on the laboratory results of the initial soil sampling event that occurred on August 11, 2025. MSG personnel advanced one soil boring in the immediate vicinity of the soil boring location that exhibited the highest laboratory result(s) in excess of Part 201 GRCC. Soils were continuously profiled from the ground surface to the termination depth of six feet bgs manually using a hand auger. These soils were homogenized in a stainless-steel bowl (or equivalent) to produce a single, composite soil sample. The composite soil sample was placed into unpreserved laboratory-supplied sample containers, as appropriate for the associated laboratory analyses.

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

On October 20, 2025, MSG mobilized to the Site to collect an additional soil sample based on request from the COD in order to fulfill waste characterization parameters required at a Type II landfill. Sample location and analyte(s) were based on the laboratory results of the initial soil sampling event, as compared to 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261 - Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste. MSG personnel, in collaboration with Inner City Contracting (ICC), collected one soil sample in the immediate vicinity of the soil boring location and depth interval that were previously reported with elevated laboratory reporting limits.

3.4 Decontamination

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

3.5 Analytical Methods

Four (4) soil samples, designated 8014 SB-01 (3-4'), 8014 SB-02 (1-2'), 8014 SB-03 (5-6'), and 8014 Foster SB-3 (5'-6')R, one (1) composite soil sample, designated 8014 SB-03 (0-6') composite, and one (1) soil sample, designated 8014 Foster SB03 TCLP, were collected as part of this investigation. These soil samples were submitted to ALS Environmental Laboratory (ALS) in Holland, Michigan for laboratory analysis of the following parameters per the requested parameters as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and individual TCLP analysis:

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

3.6 Quality Assurance/Quality Control

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

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

4.0 SUMMARY OF RESULTS

The following subsections include a discussion of the soil samples that were collected from the Site on August 11, 2025, September 15, 2025, October 8, 2025, and October 20, 2025.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 8014 SB-01, 8014 SB-02, and 8014 SB-03 generally consisted of brown silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.0 to 1.1 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities, however, concrete and brick debris was observed in all borings.

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

4.2 Soil Sample Analytical Results

Four (4) soil samples, designated 8014 SB-01 (3-4'), 8014 SB-02 (1-2'), 8014 SB-03 (5-6'), and 8014 Foster SB-3 (5'-6')R, one (1) composite soil sample, designated 8014 SB-03 (0-6') composite, and one (1) soil sample designated 8014 Foster SB03 TCLP 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 Chains 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	8014 SB-03 (5-6')	DWPC ² / 4,600 GSIPC ³ / 4,600 DCC ⁴ / 7,600	9,720
Chromium (Total)	7440-47-3	8014 SB-03 (5-6')	GSIPC / 3,300	19,00
Ethylbenzene	100-41-4	8014 SB-03 (5-6')	SVIAP / 12	40.3
Lead	7439-92-1	8014 SB-01 (3-4')	DWPC / 700,000 DCC / 400,000	1,040,000
Naphthalene	91-20-3	8014 SB-03 (5-6')	SVIAP ⁵ / 67	143

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

²DWPC – Drinking Water Protection Criteria

³GSIPC – Groundwater Surface Water Interface Protection Criteria

⁴DCC – Direct Contact Criteria

⁵SVIAP – Soil Volatilization to Indoor Air Pathway Criteria

4.3 TCLP Analytical Results

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

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 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 soil volatilization to indoor air pathway 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 8014 SB-01, 8014 SB-02, and 8014 SB-03 generally consisted of brown silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.0 to 1.1 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities; however, concrete and brick debris was observed in all borings.
- Concentrations of arsenic, chromium, ethylbenzene, lead, and naphthalene were detected in soil samples 8014 SB-01 (3-4') and/or 8014 SB-03 (5-6') in excess of their respective Part 201 DWPC, GSIPC, DCC, and/or SVIAP.
- TCLP laboratory results revealed that concentrations of arsenic, chromium and lead were not in excess of 40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261 - Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste.
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, 4,4-DDE, anthracene, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, bis(2-ethylhexyl), cadmium, chloride, chrysene, copper, fluoranthene, indeno(1,2,3-cd)pyrene, mercury, methyl acetate, styrene, phthalate, phenanthrene, pyrene, selenium, and zinc were detected in the soil sample 8014 SB-01 (3-4'), 8014 SB-02 (1-2'), and/or 8014 SB-03 (5-6') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- PCBs and pesticides and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the 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 soil volatilization to indoor air pathway 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.

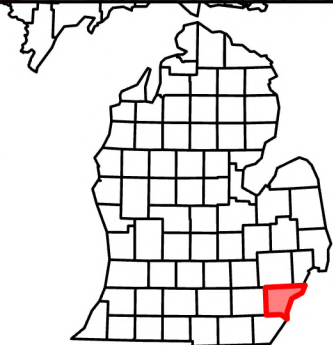
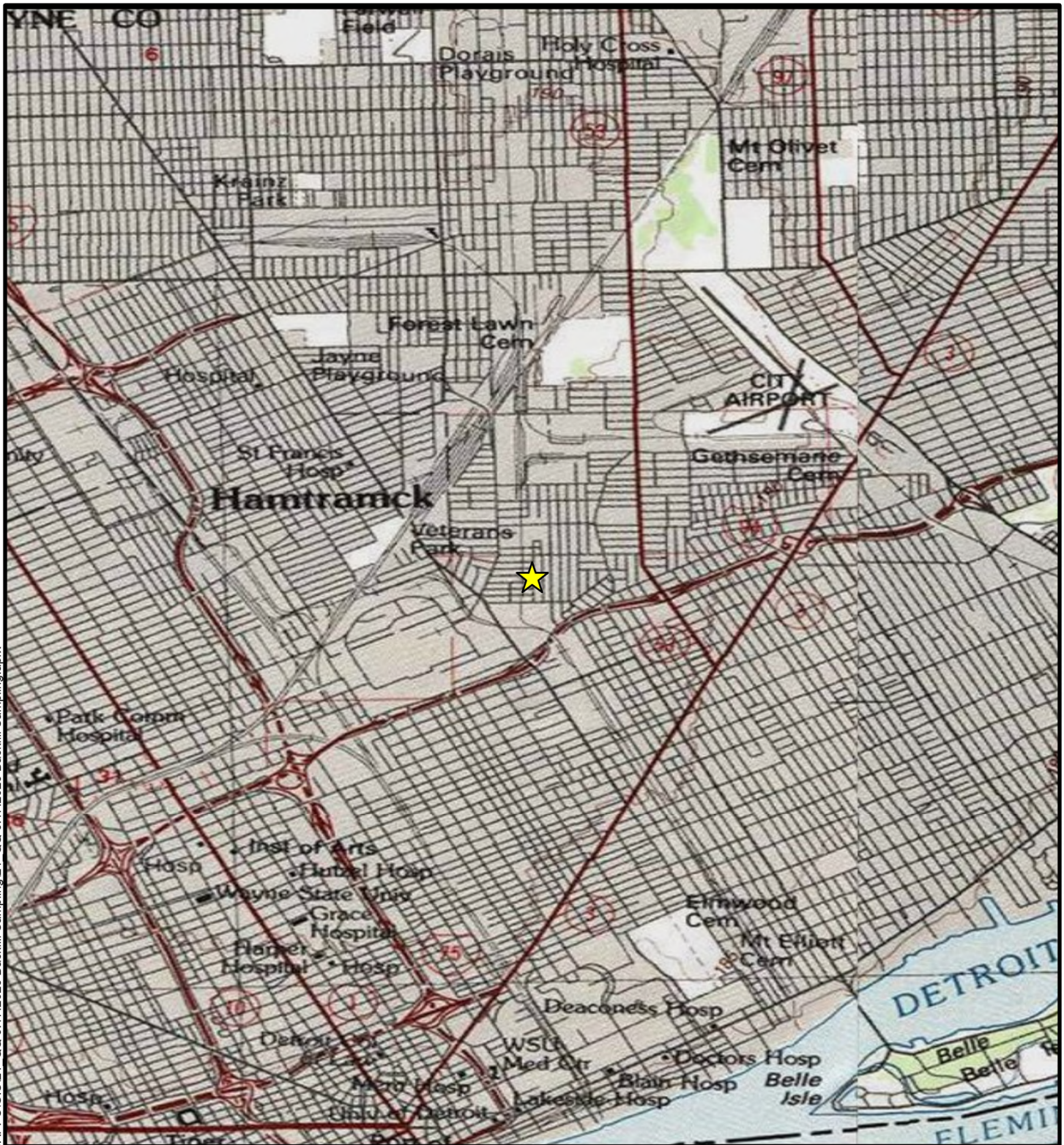
MSG has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the state's Part 201 GRCC, as applicable.

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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FIGURES





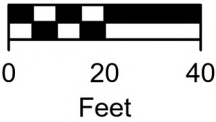
★ Site Location



FIGURE 1
SITE LOCATION

8014 Foster St, Detroit, MI

DATE 9/16/2025	DRAWN BY JWW	DESIGNED BY JWW	PROJECT NO. DETRO060
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-  Sample Locations
-  Parcels (Current)
-  Subject Property

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



FIGURE 2
Site Layout

8014 Foster, Detroit, MI

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



Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
8014 Foster, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 Units: µg/kg	Volatile Organic Compounds (VOCs)			Semivolatile Organic Compounds (SVOCs)																
	Ethylbenzene	Methyl Acetate	Styrene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Benzo(a)pyrene	Bis(2-ethylhexyl) phthalate	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene		
CAS Number	100-41-4	79-20-9	100-42-5	120-12-7	56-55-3	205-99-2	207-08-9	191-24-2	50-32-8	117-81-7	218-01-9	206-44-0	193-39-5	90-12-0	91-57-6	91-20-3	85-01-8	129-00-0		
Statewide Default Background Levels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Drinking Water Protection Criteria (DWPC)	1,500	NA	2,700	41,000	NLL	NLL	NLL	NLL	NLL	NLL	NLL	7.3E+05	NLL	NA	57,000	35,000	56,000	4.8E+05		
Groundwater Surface Water Interface Protection Criteria (GSIPC)	360	NA	2,100 (X)	ID	NLL	NLL	NLL	NLL	NLL	NLL	NLL	5,500	NLL	NA	4,200	730	2,100	ID		
Soil Volatilization to Indoor Air Inhalation (SVIIC)	87,000	NA	2.5E+05	1.0E+09 (D)	NLV	ID	NLV	NLV	NLV	NLV	ID	1.0E+09 (D)	NLV	NA	2.7E+06	2.5E+05	2.8E+06	1.0E+09 (D)		
Soil Volatilization to Indoor Air Pathway (SVIAP)	12 (M)	-	150	1.3E+07	1.6E+05 (MM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,700	67 (M)	1,700	2.5E+07		
Infinite Source Volatile Soil Inhalation Criteria (VSIC)	7.2E+05	NA	9.7E+05	1.4E+09	NLV	ID	NLV	NLV	NLV	NLV	ID	7.4E+08	NLV	NA	1.5E+06	3.0E+05	1.6E+05	6.5E+08		
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)	1.0E+06	NA	9.7E+05	1.4E+09	NLV	ID	NLV	NLV	NLV	NLV	ID	7.4E+08	NLV	NA	1.5E+06	3.0E+05	1.6E+05	6.5E+08		
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)	2.2E+06	NA	1.4E+06	1.4E+09	NLV	ID	NLV	NLV	NLV	NLV	ID	7.4E+08	NLV	NA	1.5E+06	3.0E+05	1.6E+05	6.5E+08		
Particulate Soil Inhalation Criteria (PSIC)	1.0E+10	NA	5.5E+09	6.7E+10	ID	ID	ID	8.0E+08	1.5E+06	7.0E+08	ID	9.3E+09	ID	NA	6.7E+08	2.0E+08	6.7E+06	6.7E+09		
Direct Contact Criteria (DCC)	2.2E+07 (C)	NA	4.0E+05	2.3E+08	20,000	20,000	2.0E+05	2.5E+06	2,000	2.8E+06	2.0E+06	4.6E+07	20,000	NA	8.1E+06	1.6E+07	1.6E+06	2.9E+07		
Soil Saturation Concentration Screening Levels (C _{sat})	1.4E+05	NA	5.2E+05	NA	NA	NA	NA	NA	NA	1.0E+07	NA	NA	NA	NA	NA	NA	NA	NA		
Recommended Interim Action Screening Level (RIASL)	12 (M)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SAMPLE ID	DEPTH	SAMPLE DATE																		
8014 SB01	3-4	8/11/2025	<37	<308	<37	248	816	1,010	339	541	743	<454	752	1,560	587	<91.7	<91.7	<91.7	532	1,490
8014 SB02	1-2	8/11/2025	<37.6	319	<37.6	147	214	316	119	221	224	<174	221	438	200	<35.1	<35.1	<35.1	168	407
8014 SB03	5-6	8/11/2025	40.3	<306	42.8	<83.9	269	487	168	243	294	672	218	554	235	134	201	143	310	428
8014 Foster SB-3 (5'-6') R	5-6	10/20/2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
8014 Foster, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 Units: µg/kg			Michigan 10 Metals										Pesticides/ Herbicides	Polychlorinated Biphenyls (PCBs)	Inorganic Anions/Ions
			Arsenic	Barium (B)	Cadmium (B)	Chromium (Total)	Copper (B)	Lead (B)	Mercury (B,Z)	Selenium (B)	Silver (B)	Zinc (B)	4,4'-DDE		Chloride
CAS Number			7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-50-8	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	72559	Polychlorinated Biphenyls (PCBs)	16887006
Statewide Default Background Levels			5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000	NA		NA
Drinking Water Protection Criteria (DWPC)			4,600	1.3E+06	6,000	30,000	5.8E+06	7.0E+05	1,700	4,000	4,500	2.4E+06	NLL		5.00E+06
Groundwater Surface Water Interface Protection Criteria (GSIPC)			4,600	(G)	(G,X)	3,300	(G)	(G,X)	50 (M); 1.2	400	100 (M); 27	(G)	NLL		(X)
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV	NLV		NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)			NA	NA	NA	--	NA	NA	22 (M)	NA	NA	NA	NA		--
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV		NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV		NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV		NLV
Particulate Soil Inhalation Criteria (PSIC)			7.2E+05	3.3E+08	1.7E+06	2.6E+05	1.3E+08	1.0E+08	2.0E+07	1.3E+08	6.7E+06	ID	3.20E+07		ID
Direct Contact Criteria (DCC)			7,600	3.7E+07	5.5E+05	2.5E+06	2.0E+07	4.0E+05	1.6E+05	2.6E+06	2.5E+06	1.7E+08	45,000		5.0E+5 (F)
Soil Saturation Concentration Screening Levels (C _{sat})			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
Recommended Interim Action Screening Level (RIASL)			NA	NA	NA	NA	NA	NA	2.7E-02	NA	NA	NA	NA		--
SAMPLE ID	DEPTH	SAMPLE DATE													
8014 SB01	3-4	8/11/2025	4,540	167,000	278	19,000	27,500	130,000	57.8	390	<325	110,000	ND	ND	33,200
8014 SB02	1-2	8/11/2025	4,550	51,300	280	17,100	17,300	40,200	29.7	<308	<308	50,500	ND	ND	56,700
8014 SB03	5-6	8/11/2025	9,720	466,000	1,320	<29,600	91,600	1,040,000	29.1	396	<296	1,050,000	ND	ND	30,500
8014 Foster SB-3 (5'-6') R	5-6	10/20/2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	89.6	NS	NS

Notes:

Bold indicates concentration above laboratory reporting limits.

Exceeds DWPC

Exceeds GSIPC

Exceeds Applicable Soil Vapor Inhalation screening level

Exceeds Two or More DWPC, GSIPC, and/or Applicable Soil Vapor Inhalation screening levels

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

ND = Not Detected above laboratory reporting limits

NS = Not Sampled or Not Analyzed

NR = Not Reported (Data missing from provided report)

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

VIAP Screening Levels and notes from EGLE Guidance Document For The Vapor Intrusion Pathway, Appendix D.1 Vapor Intrusion Screening Values, May 2013, updated February 26, 2024

Table 2
TCLP Analytical Detection Summary

Detroit Backfill Sampling
8014 Foster, 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		
		Arsenic	Chromium	Lead (B)
Maximum Concentration of Contaminants for the Toxicity		5.00	5.00	5.00
SAMPLE ID	SAMPLE DATE			
8014 SB-03 (0-6") Composite	9/15/2025	NS	<0.0499	0.0877
8014 SB03 TCLP	10/8/2025	<0.0499	NS	NS

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

APPENDIX A

LIMITATIONS



LIMITATIONS

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

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

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

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

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

APPENDIX B

DAILY FIELD REPORTS





DAILY FIELD REPORT

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

Report No.: 1
Job No.: DETR0060

Date: <u>08/11/2025</u>	Day: <u>Monday</u>	Temp: <u>90° F</u>	(AM) <u>N/A</u>	(PM) <u></u>
MSG Personnel: <u>WRD, ZRG, JDF</u>	Cloud Cover: <u>0%</u>	(AM) <u>N/A</u>	(PM) <u></u>	
	Precip.: <u>None</u>	(AM) <u>N/A</u>	(PM) <u></u>	
Personnel: <u>MSG</u>				
MSG Hours On-Site: <u>0.5 hours</u>				

Contractors Information		
Contractor: <u>MSG</u>	No. Men and Type: <u>3; Helper/Geologist/Driller</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:
1117 – ZRG & WRD onsite (8014 Foster St) 1118 – Unloaded equipment and checked boring locations 1119– Began drilling SB01 1122 – Finished drilling SB01 1122 – Began drilling SB02 1127 – Finished drilling SB02 1128 – Began drilling SB03 1133 – Finished drilling SB03 1135 – Sampled 8014 SB01 (3-4') 1140 – Sampled 8014 SB02 (1-2') 1145 – Sampled 8014 SB03 (5-6') 1148 – Packed up equipment 1152 – MSG off site

Supporting Documentation					
	Yes	No		Yes	No
Photograph Taken	☒	☐	Samples Collected	☒	☐
Photo Log Attached	☒	☐	COC Attached	☒	☐
			Boring/MW Logs	☒	☐
			Field Note Book Taken	☐	☒

Problem Identification and Corrective Measures
<u>N/A</u>
Resolved? Yes ☐ No ☐

**DAILY FIELD REPORT****Client:** City of Detroit Demolition Department**Project:** Sampling and Analysis of Fill Material**Report No.:** 2**Job No.:** DETR0060

Date: 10/8/2025	Day: Tuesday	Temp: 50 ° F (AM) 50 ° F (PM)
MSG Personnel: SRK, JF		Cloud Cover: 0% (AM) 0% (PM)
		Precip.: N/A (AM) N/A (PM)
Personnel: MSG		
MSG Hours On-Site: ~ 1 hours		
Contractors Information		
Contractor: MSG	No. Men and Type: 2; Operator/Geologist	Equipment Type: Geoprobe 7822DT
Summary of Work Performed:		
- Advanced one (1) onsite soil borings to a maximum depth of 6 feet below ground surface (bgs) - Collected TCLP of fill material from soil boring (composite sample of from zero to 6 feet bgs).		
Field Notes:		
1145 – MSG (SRK, JF) onsite (8014 Foster) 1148 – Attempted to locate previous boring locations. Marked out new boring location. 1158 – Began drilling SB03 TCLP 1200 – Finished drilling SB03 TCLP 1205 – Sampled 8014 Foster SB03 TCLP 1215 – Collected GPS points 1220 – Packed up equipment 1227 – MSG off site		

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

**DAILY FIELD REPORT**

Client: City of Detroit Demolition Department
Project: Sampling and Analysis of Fill Material – 8014 Foster

Report No.: 3
Job No.: DETR0060

Date: 10/20/2025	Day: Monday	Temp: 43° F (AM) - ° F (PM)
MSG Personnel: EMB	Cloud Cover: -% (AM) -% (PM)	
ICC- Greg, John, Tim City of Detroit – Kareem, Rod, Alex, Leeve, Greg, Tim P EGIS – Louis, Osvald		Precip.: None (AM) - (PM)
Personnel: MSG		Wind: 6 mph W (AM) - (PM)
MSG Hours On-Site: ~1.25 hours		
Contractors Information		
Contractor: MSG	No. Men and Type: 2; Helper/Geologist/Driller	Equipment Type: Geoprobe 7822DT
Summary of Work Performed:		
Collect 2- 8 oz non-preserve jars of soil from 5'-6' near SB-3.		
Field Notes:		
0800 – MSG onsite (8014 Foster). - EGIS and some COD onsite also. 0809 – two (2) ICC trucks onsite 0832 – ICC onsite with excavator. 0850 – MSG collects soil sample – 8014 Foster SB-3 (5'-6')R - MSG GPS'd sample location. - No PID hits, odors/stains. - Soil was clay, Black, Gravelly, Trace Sand, Moist. - Chunks of concrete observed. - Gravel was 2" in size and heavily throughout the soil. 1020 – MSG off site.		

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

APPENDIX C

INVESTIGATION PHOTOGRAPHS





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



Photo 2: View of Site at the time of TCLP soil boring activities.



Photo 3: View of TCLP soil boring location.



Photo 4: View of soil recovery at the time of TCLP sampling.



Photo 5: View of Site at the time of TCLP soil boring activities.



Photo 6: View of Site on 10/20/2025 prior to excavation sampling activities



Photo 7: View of soil excavation sampling location



Photo 8: View of excavation pit where soil sample was collected

APPENDIX D

SOIL BORING LOGS





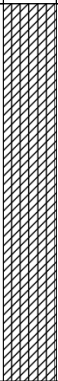
The Mannik & Smith Group, Inc.
2365 Haggerty Road South, Canton, MI 48188
ph: (734) 397-3100 fax: (734) 397-3131
www.manniksmithgroup.com

BOREHOLE NUMBER SB01

Sheet 1 of 1

CLIENT City of Detroit
PROJECT NUMBER DETR0060.BFS12
DATE STARTED 08-11-2025 **COMPLETED** 08-11-2025
DRILLING CONTRACTOR MSG
DRILLING METHOD Direct Push
EQUIPMENT Geoprobe 7822DT **Operator** JDF

PROJECT NAME Backfill Soil Sampling
PROJECT LOCATION 8014 Foster, Detroit, MI
POSITION
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
LOGGED BY WRD **CHECKED BY** PDH
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
5	ES	38		Brown Silty CLAY, some Sand, Concrete, & Brick debris; dry	0.0 0.0 0.2 0.7 0.4 0.0	Collected soil sample 8014 SB01 (3-4) at 11:35
6.0				Terminated at 6.00 ft.		
10						
15						
20						

LEGEND:

- ▽ AT TIME OF DRILLING
▼ AT END OF DRILLING
▽ AFTER DRILLING



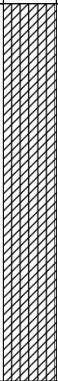
The Mannik & Smith Group, Inc.
2365 Haggerty Road South, Canton, MI 48188
ph: (734) 397-3100 fax: (734) 397-3131
www.manniksmithgroup.com

BOREHOLE NUMBER SB02

Sheet 1 of 1

CLIENT City of Detroit
PROJECT NUMBER DETR0060.BFS12
DATE STARTED 08-11-2025 **COMPLETED** 08-11-2025
DRILLING CONTRACTOR MSG
DRILLING METHOD Direct Push
EQUIPMENT Geoprobe 7822DT **Operator** JDF

PROJECT NAME Backfill Soil Sampling
PROJECT LOCATION 8014 Foster, Detroit, MI
POSITION
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
LOGGED BY WRD **CHECKED BY** PDH
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
5	ES	33		Brown Silty CLAY, some Sand, Concrete, & Brick debris; dry	0.1 1.1 0.9 0.7 0.1 0.2	Collected soil sample 8014 SB02 (1-2) at 11:40
6.0				Terminated at 6.00 ft.		
10						
15						
20						

LEGEND:

- ▽ AT TIME OF DRILLING
▼ AT END OF DRILLING
▽ AFTER DRILLING



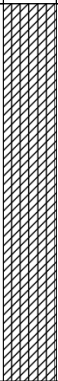
The Mannik & Smith Group, Inc.
2365 Haggerty Road South, Canton, MI 48188
ph: (734) 397-3100 fax: (734) 397-3131
www.manniksmithgroup.com

BOREHOLE NUMBER SB03

Sheet 1 of 1

CLIENT City of Detroit
PROJECT NUMBER DETR0060.BFS12
DATE STARTED 08-11-2025 **COMPLETED** 08-11-2025
DRILLING CONTRACTOR MSG
DRILLING METHOD Direct Push
EQUIPMENT Geoprobe 7822DT **Operator** JDF

PROJECT NAME Backfill Soil Sampling
PROJECT LOCATION 8014 Foster, Detroit, MI
POSITION
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
LOGGED BY WRD **CHECKED BY** PDH
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
5	ES	33		Brown Silty CLAY, some Sand, Concrete, & Brick debris; dry	0.0 0.2 0.0 0.0 0.0 0.0	Collected soil sample 8014 SB03 (5-6) at 11:45
6.0				Terminated at 6.00 ft.		
10						
15						
20						

LEGEND:

- ▽ AT TIME OF DRILLING _____
▼ AT END OF DRILLING _____
▽ AFTER DRILLING _____

APPENDIX E

LABORATORY ANALYTICAL REPORTS AND CHAINS OF CUSTODY FORMS





right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order

HN2511215

Client

The Mannik & Smith Group, Inc.

Project

8014_Foster

Project Date

August 12, 2025

Reporting Contact

Ryan Montri



right solutions.
right partner.

October 17, 2025

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

Re: **8014_Foster**

Date Received: **08/12/2025**
Work Order: **HN2511215**
Revision: **1**

Dear Ryan,

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

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

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

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

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

Dale Schipper

/S/ **DALE SCHIPPER**

Project Manager



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster

Work Order: HN2511215
Date Received: 12-Aug-2025

CASE NARRATIVE

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

Sample Receipt

3 soil/solid samples were received for analysis at ALS Environmental on 12-Aug-2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Organics

EPA 8081B-3546-S (High)

Run ID: 3440418

The matrix spike recoveries are unavailable due to dilution below the calibration range.
The matrix spike recoveries are unavailable due to dilution below the calibration range.
The matrix spike recoveries are unavailable due to dilution below the calibration range.
The MSD recoveries are unavailable due to dilution below the calibration range.
The MSD recoveries are unavailable due to dilution below the calibration range.
The MSD recoveries are unavailable due to dilution below the calibration range.
HN2511215-001: The reporting limit is due to dilution elevated n needed to eliminate matrix-related interference.
HN2511215-001: One or more surrogate recoveries were below the lower control limit due to sample dilution.
HN2511215-002: The reporting limit is due to dilution elevated n needed to eliminate matrix-related interference.

Run ID: 3433721

HN2511215-001: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: DCB

Run ID: 3433928

HN2511215-003: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: DCB

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

Run ID: 3410072

The MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for the following analyte(s): see qc
Samples have low surrogate recovery. Control charting demonstrated consistent recovery below control limits. Acceptable surrogate limit lowered to 72% recovery.
The MS recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: see qc
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:
bromodichloromethane

Run ID: 3403304

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:
bromodichloromethane



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster

Work Order: HN2511215
Date Received: 12-Aug-2025

CASE NARRATIVE

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

EPA 8270E-FULL HN-3546-S

Run ID: 3442024

2,4,6-Tribromophenol failed high in the CCV. The associated samples were non-detect for all acid compounds; therefore, no qualification is necessary.

The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 2,4-Dimethylphenol.

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: Atrazine.

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

The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 1,3-Dinitrobenzene; 1,4-Dinitrobenzene; 2-Nitroaniline; 2-Nitrophenol; 4,6-Dinitro-2-methylphenol; Hexachlorobutadiene.

The matrix spike recoveries are unavailable due to dilution below the calibration range. 2,4-Dinitrophenol.

The MSD recoveries are unavailable due to dilution below the calibration range. 2,4-Dinitrophenol.

The MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for the following analyte(s): See QC report.

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

The MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary. 1,2-Dinitrobenzene.

HN2511215-001: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

HN2511215-002: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

HN2511215-003: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

HN2511215-002: 2,4,6-Tribromophenol - One or more of the surrogates were below the limits due to matrix interference.

HN2511215-002: Phenol-d6 - One or more of the surrogates were below the limits due to matrix interference.

HN2511215-003: 2,4,6-Tribromophenol - Surrogate high due to matrix interference.

EPA 8151A-S

Run ID: 3436396

HN2511215-001: One or more surrogate recoveries were below the lower control limits. The sample results may be biased low. Surrogate Spike DCAA.

EPA 8082A-3546-S (High)

Run ID: 3425747

HN2511215-003: One or more surrogate recoveries were below the lower control limits. The sample results may be biased low.

Metals

EPA 6020B-3050B-S**Run ID: 3405977**

The MS recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba, Zn batch 2162042

The MSD recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba, Zn batch 2162042

Run ID: 3410505

The MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for the following analyte(s): Cd, Se, Ag batch 2162042

The MS recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: Cd, Se, Ag batch 2162042

The MS recovery was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Cr, Mo batch 2162042

The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Cr batch 2162039

The MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Ni batch 2162042

The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Cr batch 2162039

HN2511215-003: Chromium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cr

EPA 7471B-S (Mid)**Run ID: 3402960**

The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: Hg Batch 2159501

The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Hg Batch 2159501

Inorganics**EPA 9056A-S (High)****Run ID: 3400098**

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

The LCS recovery was above the upper control limit. The sample results for this batch may be biased high for this analyte: Fluoride

Matrix spike value was outside upper limit of calibration. Processed at equivalent dilution level as the parent. Chloride

The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Chloride, Fluoride, Sulfate

The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Chloride, Fluoride

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: 8014 SB01 (3-4)	Lab ID: HN2511215-001
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Analyte	Results	Flag	MDL	MRL	Units	Method
Anthracene	248		64.6	91.7	µg/kg	EPA 8270E
Arsenic	4.54		0.0390	0.325	mg/kg	EPA 6020B
Barium	167		2.99	3.25	mg/kg	EPA 6020B
Benzo(a)anthracene	816		79.2	91.7	µg/kg	EPA 8270E
Benzo(a)pyrene	743		56.3	91.7	µg/kg	EPA 8270E
Benzo(b)fluoranthene	1010		68.4	91.7	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	541		70.3	91.7	µg/kg	EPA 8270E
Benzo(k)fluoranthene	339		69.5	91.7	µg/kg	EPA 8270E
Cadmium	0.278		0.0195	0.130	mg/kg	EPA 6020B
Chloride	33.2		3.52	11.3	mg/kg	EPA 9056A
Chromium	19.0		1.43	3.25	mg/kg	EPA 6020B
Chrysene	752		74.1	91.7	µg/kg	EPA 8270E
Copper	27.5		3.25	3.25	mg/kg	EPA 6020B
Fluoranthene	1560		44.0	91.7	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	587		63.8	91.7	µg/kg	EPA 8270E
Lead	130		1.56	3.25	mg/kg	EPA 6020B
Mercury	0.0578		0.0136	0.0200	mg/kg	EPA 7471B
Methyl acetate	97.3	J	44.2	308	µg/kg	EPA 8260D
Percent Moisture	12.1		0.1	0.1	%	EPA 3550C
Phenanthrene	532		42.6	91.7	µg/kg	EPA 8270E
Pyrene	1490		45.8	91.7	µg/kg	EPA 8270E
Selenium	0.390		0.299	0.325	mg/kg	EPA 6020B
Silver	0.0529	J	0.0429	0.325	mg/kg	EPA 6020B
Zinc	110		0.637	0.650	mg/kg	EPA 6020B

CLIENT ID: 8014 SB02 (1-2)	Lab ID: HN2511215-002
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Analyte	Results	Flag	MDL	MRL	Units	Method
Anthracene	147		24.7	35.1	µg/kg	EPA 8270E
Arsenic	4.55		0.0370	0.308	mg/kg	EPA 6020B
Barium	51.3		0.283	0.308	mg/kg	EPA 6020B
Benzo(a)anthracene	214		30.3	35.1	µg/kg	EPA 8270E
Benzo(a)pyrene	224		21.5	35.1	µg/kg	EPA 8270E
Benzo(b)fluoranthene	316		26.1	35.1	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	221		26.9	35.1	µg/kg	EPA 8270E
Benzo(k)fluoranthene	119		26.6	35.1	µg/kg	EPA 8270E
Cadmium	0.280		0.0185	0.123	mg/kg	EPA 6020B
Chloride	56.7		3.28	10.6	mg/kg	EPA 9056A
Chromium	17.1		1.36	3.08	mg/kg	EPA 6020B
Chrysene	221		28.4	35.1	µg/kg	EPA 8270E
Copper	17.3		3.08	3.08	mg/kg	EPA 6020B
Fluoranthene	438		16.8	35.1	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: 8014 SB02 (1-2)	Lab ID: HN2511215-002
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Analyte	Results	Flag	MDL	MRL	Units	Method
Indeno(1,2,3-cd) pyrene	200		24.4	35.1	µg/kg	EPA 8270E
Lead	40.2		0.148	0.308	mg/kg	EPA 6020B
m+p-Xylene	72.1	J	50.2	75.3	µg/kg	EPA 8260D
Mercury	0.0297		0.0136	0.0200	mg/kg	EPA 7471B
Methyl acetate	319		45.1	314	µg/kg	EPA 8260D
o-Xylene	23.8	J	14.6	37.6	µg/kg	EPA 8260D
Percent Moisture	5.9		0.1	0.1	%	EPA 3550C
Phenanthrene	168		16.3	35.1	µg/kg	EPA 8270E
Pyrene	407		17.5	35.1	µg/kg	EPA 8270E
Zinc	50.5		0.604	0.616	mg/kg	EPA 6020B

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Results	Flag	MDL	MRL	Units	Method
1-Methylnaphthalene	134		60.4	83.9	µg/kg	EPA 8270E
2-Methylnaphthalene	201		42.7	83.9	µg/kg	EPA 8270E
4,4'-DDE	19.3	J	17.4	26.5	µg/kg	EPA 8081B
4,4'-DDT	21.0	J	17.6	26.5	µg/kg	EPA 8081B
Anthracene	67.2	J	59.2	83.9	µg/kg	EPA 8270E
Arsenic	9.72		0.0356	0.296	mg/kg	EPA 6020B
Barium	466		27.3	29.6	mg/kg	EPA 6020B
Benzo(a)anthracene	269		72.5	83.9	µg/kg	EPA 8270E
Benzo(a)pyrene	294		51.5	83.9	µg/kg	EPA 8270E
Benzo(b)fluoranthene	487		62.6	83.9	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	243		64.3	83.9	µg/kg	EPA 8270E
Benzo(k)fluoranthene	168		63.6	83.9	µg/kg	EPA 8270E
Cadmium	1.32		0.0178	0.118	mg/kg	EPA 6020B
Chloride	30.5		3.58	11.6	mg/kg	EPA 9056A
Chromium	17.1	J	13.0	29.6	mg/kg	EPA 6020B
Chrysene	218		67.9	83.9	µg/kg	EPA 8270E
Copper	91.6		29.6	29.6	mg/kg	EPA 6020B
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	672		347	416	µg/kg	EPA 8270E
Ethylbenzene	40.3		26.0	36.7	µg/kg	EPA 8260D
Fluoranthene	554		40.3	83.9	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	235		58.4	83.9	µg/kg	EPA 8270E
Lead	1040		14.2	29.6	mg/kg	EPA 6020B
Mercury	0.0291		0.0141	0.0207	mg/kg	EPA 7471B
Methyl acetate	122	J	43.9	306	µg/kg	EPA 8260D
Methylcyclohexane	28.7	J	14.0	36.7	µg/kg	EPA 8260D
Naphthalene	143		53.6	83.9	µg/kg	EPA 8270E
Percent Moisture	14.2		0.1	0.1	%	EPA 3550C

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: 8014 SB03 (5-6)			Lab ID: HN2511215-003			
Analyte	Results	Flag	MDL	MRL	Units	Method
Phenanthrene	310		39.0	83.9	µg/kg	EPA 8270E
Pyrene	428		41.9	83.9	µg/kg	EPA 8270E
Selenium	0.396		0.273	0.296	mg/kg	EPA 6020B
Silver	0.0774	J	0.0391	0.296	mg/kg	EPA 6020B
Styrene	42.8		14.5	36.7	µg/kg	EPA 8260D
Zinc	1050		58.1	59.3	mg/kg	EPA 6020B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Workorder: HN2511215

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2511215-001	8014 SB01 (3-4)	SOIL/SOLID	08/11/25 11:35	08/12/25 08:00
HN2511215-002	8014 SB02 (1-2)	SOIL/SOLID	08/11/25 11:40	08/12/25 08:00
HN2511215-003	8014 SB03 (5-6)	SOIL/SOLID	08/11/25 11:45	08/12/25 08:00



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

Customer Information		Project Information					Parameter/Method Request for Analysis													
Purchase Order		Project Name	8014_Foster					A	VOCs (U.S. EPA Method 8260C (or Method 8260))											
Work Order		Project Number	DETR0060					B	SVOCs (U.S. EPA Method 8270D (or Method 8270))											
Company Name	The Mannik and Smith Group	Bill To Company	The Mannik and Smith Group					C	PCBs (U.S. EPA Method 8082)											
Send Report To	Ryan Montri	Invoice Attn.						D	Mi 10 Metals (U.S. EPA 6000/7000 Series Methods)											
Address	2365 Haggerty Rd South Suite 100	Address	2365 Haggerty Rd South Suite 100					E	Chorides (U.S. EPA Method 9056A)											
								F	Pesticides (U.S. EPA Method 8081B (or Method 8081))											
City/State/Zip	Canton, MI 48188	City/State/Zip	Canton, MI 48188					G	Herbicides (U.S. EPA Method 8151A (or Method 8151))											
Phone	734-397-3100	Phone	734-397-3100					H												
Fax		Fax						I												
e-Mail Address	RMontri@manniksmithgroup.com	e-Mail Address						J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8014 SB01 (3-4)	8/11/25	1135	Soil	M6TH	3	X	X	X	X	X	X	X				
2	8014 SB02 (1-2)	I	1140	Soil	I	3	X	X	X	X	X	X	X				
3	8014 SB03 (5-6)	I	1145	Soil	I	3	X	X	X	X	X	X	X				
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign WILEY DAVENPORT		Shipment Method:		Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour				Results Due Date:			
Relinquished by: [Signature]		Date: 8/11/25	Time: 1644	Received by: [Signature]		Notes: Quote# HN-061825-M&S-MA					
Relinquished by: [Signature]		Date: 8/11/25	Time: 1645	Received by (Laboratory): [Signature]		Cooler Temp. 5.2°C					
Logged by (Laboratory): [Signature]		Date: 8/12/25	Time: 0925	Checked by (Laboratory):		QC Package: (Check Box Below)					
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035						☐ Level II: Standard QC ☐ TRRP-Checklist					
						☐ Level III: Std QC + Raw Data ☐ TRRP Level IV					
						☐ Level IV: SW846 CLP-Like					
						Other: _____					

Environmental Division
Holland
Work Order Reference
HN2511215

Telephone : + 1 616 399 6070

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

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

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ALS Holland Sample Receiving Checklist

Received by: BC

Date/Time: 8/12/25 8:00

Carrier Name: Q.S

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

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

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

Chain of Custody present? Yes / No

COC signed when relinquished and received? Yes / No

COC agrees with sample labels? Yes / No

Samples in proper container/bottle? Yes / No

Sample containers intact? Yes / No

Sufficient sample volume for indicated test? Yes / No

All samples received within holding time? Yes / No

Container/Temp Blank temperature in compliance? Yes / No

Temperature(s) (°C): 5.2°C

Thermometer(s): IR6

Sample(s) received on ice? Yes / No

Matrix/Matrices: Soil

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 8/12/25 0930

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

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

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

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

pH adjusted by: _____

Login Notes:

REPORT QUALIFIERS AND DEFINITIONS

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

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	12/17/2024	12/31/2025
Colorado	UST		07/01/2025	06/30/2026
Connecticut	Drinking Water (Secondary)	PH-0155	12/10/2024	12/31/2026
Florida	NELAP (Primary)	E871106	07/01/2025	06/30/2026
Illinois	NELAP (Secondary)	200076	11/14/2024	12/31/2025
Indiana	Drinking Water (Secondary)	C-MI-08	12/31/2024	09/04/2026
Iowa	State Specific	403	09/18/2023	09/01/2025
Kansas	NELAP (Secondary)	E-10411	07/09/2024	07/31/2025
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	06/24/2024	06/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2024	6/30/2025
New York	NELAP (Secondary)	12128	04/01/2025	04/01/2026
North Dakota	State Specific	R-192	11/18/2024	06/30/2025
Ohio	Drinking Water (Secondary)	87783	06/26/2025	6/30/2026
Pennsylvania	NELAP (Secondary)	68-03827	06/14/2024	07/31/2025
Texas	NELAP (Secondary)	T104704494	02/12/2025	01/31/2026
USDA	Domestic CA	Soil-MI-007	02/06/2025	08/07/2026
USDA	Soil Import	525-23-62-77572	03/03/2023	03/03/2026
West Virginia	State Specific	355	06/07/2025	08/31/2026
Wisconsin	State Specific	399084510	08/15/2024	08/31/2025

¹ - Scope available upon request

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster

Work Order: HN2511215

Sample Name: 8014 SB01 (3-4)
Laboratory Code: HN2511215-001
Sample Matrix: SOIL/SOLID

Date Collected: 08/11/25
Date Received: 08/12/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AC	2158252		3397197	Nicole Maleski
EPA 6020B	EPA 3050B	001-AC	2162042	Chloe Patrick	3405977	Dale Schipper
EPA 6020B	EPA 3050B	001-AC	2162042	Chloe Patrick	3410505	Dale Schipper
EPA 7471B	Method	001-AC	2159501	Maxx Richey	3402960	Dale Schipper
EPA 8081B	EPA 3546	001-AC	2173198	Sam Bruzan	3440418	Dale Schipper
EPA 8082A	EPA 3546	001-AC	2173203	Rachel Plantinga	3425747	Dale Schipper
EPA 8151A	Method	001-AC	2177088	Sam Bruzan	3436396	Kathy Malmyga
EPA 8260D	EPA 5035A	001-AA	2155600	Jonathan Vazquez	3403304	Dale Schipper
EPA 8260D	EPA 5035A	001-AA	2155600	Jonathan Vazquez	3404823	Dale Schipper
EPA 8260D	EPA 5035A	001-AA	2166362	John Garvale	3410072	Dale Schipper
EPA 8270E	EPA 3546	001-AC	2180635	Rachel Plantinga	3442024	Erin Wall
EPA 9056A	EPA 9056A	001-AC	2158565	Sage Hansen	3400098	Dale Schipper

Sample Name: 8014 SB02 (1-2)
Laboratory Code: HN2511215-002
Sample Matrix: SOIL/SOLID

Date Collected: 08/11/25
Date Received: 08/12/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		002-AC	2158252		3397197	Nicole Maleski
EPA 6020B	EPA 3050B	002-AC	2162042	Chloe Patrick	3405977	Dale Schipper
EPA 6020B	EPA 3050B	002-AC	2162042	Chloe Patrick	3410505	Dale Schipper
EPA 7471B	Method	002-AC	2159501	Maxx Richey	3402960	Dale Schipper
EPA 8081B	EPA 3546	002-AC	2173198	Sam Bruzan	3440418	Dale Schipper
EPA 8082A	EPA 3546	002-AC	2173203	Rachel Plantinga	3425747	Dale Schipper
EPA 8151A	Method	002-AC	2177088	Sam Bruzan	3436396	Kathy Malmyga
EPA 8260D	EPA 5035A	002-AA	2155600	Jonathan Vazquez	3403304	Dale Schipper
EPA 8260D	EPA 5035A	002-AA	2155600	Jonathan Vazquez	3404823	Dale Schipper
EPA 8260D	EPA 5035A	002-AA	2166362	John Garvale	3410072	Dale Schipper
EPA 8270E	EPA 3546	002-AC	2180635	Rachel Plantinga	3442024	Erin Wall
EPA 9056A	EPA 9056A	002-AC	2158565	Sage Hansen	3400098	Dale Schipper

ANALYST SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster

Work Order: HN2511215

Sample Name: 8014 SB03 (5-6)
Laboratory Code: HN2511215-003
Sample Matrix: SOIL/SOLID

Date Collected: 08/11/25
Date Received: 08/12/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		003-AC	2158252		3397197	Nicole Maleski
EPA 6020B	EPA 3050B	003-AC	2162042	Chloe Patrick	3405977	Dale Schipper
EPA 6020B	EPA 3050B	003-AC	2162042	Chloe Patrick	3410505	Dale Schipper
EPA 7471B	Method	003-AC	2159501	Maxx Richey	3402960	Dale Schipper
EPA 8081B	EPA 3546	003-AC	2173198	Sam Bruzan	3433928	Dale Schipper
EPA 8082A	EPA 3546	003-AC	2173203	Rachel Plantinga	3425747	Dale Schipper
EPA 8151A	Method	003-AC	2177088	Sam Bruzan	3436396	Kathy Malmyga
EPA 8260D	EPA 5035A	003-AA	2155600	Jonathan Vazquez	3403304	Dale Schipper
EPA 8260D	EPA 5035A	003-AA	2155600	Jonathan Vazquez	3404823	Dale Schipper
EPA 8260D	EPA 5035A	003-AA	2166362	John Garvale	3410072	Dale Schipper
EPA 8270E	EPA 3546	003-AC	2180635	Rachel Plantinga	3442024	Erin Wall
EPA 9056A	EPA 9056A	003-AC	2158565	Sage Hansen	3400098	Dale Schipper

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4) **Lab ID: HN2511215-001**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD									
2,4,5-T	EPA 8151A	<1.01	HU	µg/kg	1.01	5.50	1	08/26/25 21:50	08/25/25 16:58
2,4,5-TP (Silvex)	EPA 8151A	<1.80	HU	µg/kg	1.80	5.50	1	08/26/25 21:50	08/25/25 16:58
2,4-D	EPA 8151A	<2.94	HU	µg/kg	2.94	11.0	1	08/26/25 21:50	08/25/25 16:58
Surr: DCAA	EPA 8151A	2.00	HS	%REC		10-116	1	08/26/25 21:50	08/25/25 16:58
General Chemistry Parameters									
Percent Moisture	EPA 3550C	12.1		%	0.1	0.1	1	08/13/25 00:00	NA
Chloride	EPA 9056A	33.2		mg/kg	3.52	11.3	1	08/14/25 15:16	08/14/25 11:50
Metals									
Arsenic	EPA 6020B	4.54		mg/kg	0.0390	0.325	1	08/16/25 02:40	08/15/25 08:37
Barium	EPA 6020B	167		mg/kg	2.99	3.25	10	08/18/25 17:09	08/15/25 08:37
Cadmium	EPA 6020B	0.278		mg/kg	0.0195	0.130	1	08/16/25 02:40	08/15/25 08:37
Chromium	EPA 6020B	19.0		mg/kg	1.43	3.25	10	08/18/25 17:09	08/15/25 08:37
Copper	EPA 6020B	27.5		mg/kg	3.25	3.25	10	08/18/25 17:09	08/15/25 08:37
Lead	EPA 6020B	130		mg/kg	1.56	3.25	10	08/18/25 17:09	08/15/25 08:37
Selenium	EPA 6020B	0.390		mg/kg	0.299	0.325	1	08/16/25 02:40	08/15/25 08:37
Silver	EPA 6020B	0.0529	J	mg/kg	0.0429	0.325	1	08/16/25 02:40	08/15/25 08:37
Zinc	EPA 6020B	110		mg/kg	0.637	0.650	1	08/16/25 02:40	08/15/25 08:37
Mercury	EPA 7471B	0.0578		mg/kg	0.0136	0.0200	1	08/15/25 10:10	08/15/25 07:58
Organochlorine Pesticides by GC/ECD									
4,4'-DDD	EPA 8081B	<1580	U	µg/kg	1580	2470	100	08/27/25 02:53	08/21/25 13:43
4,4'-DDE	EPA 8081B	<1630	U	µg/kg	1630	2470	100	08/27/25 02:53	08/21/25 13:43
4,4'-DDT	EPA 8081B	<1640	U	µg/kg	1640	2470	100	08/27/25 02:53	08/21/25 13:43
Aldrin	EPA 8081B	<1600	U	µg/kg	1600	2470	100	08/27/25 02:53	08/21/25 13:43
alpha-BHC	EPA 8081B	<1620	U	µg/kg	1620	2470	100	08/27/25 02:53	08/21/25 13:43
beta-BHC	EPA 8081B	<1620	U	µg/kg	1620	2470	100	08/27/25 02:53	08/21/25 13:43
Chlordane, Technical	EPA 8081B	<2450	U	µg/kg	2450	6170	100	08/27/25 02:53	08/21/25 13:43
cis-Chlordane	EPA 8081B	<1650	U	µg/kg	1650	2470	100	08/27/25 02:53	08/21/25 13:43
delta-BHC	EPA 8081B	<1620	U	µg/kg	1620	2470	100	08/27/25 02:53	08/21/25 13:43
Dieldrin	EPA 8081B	<1730	U	µg/kg	1730	2470	100	08/27/25 02:53	08/21/25 13:43
Endosulfan I	EPA 8081B	<1660	U	µg/kg	1660	2470	100	08/27/25 02:53	08/21/25 13:43
Endosulfan II	EPA 8081B	<1640	U	µg/kg	1640	2470	100	08/27/25 02:53	08/21/25 13:43

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4)	Lab ID: HN2511215-001
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan sulfate	EPA 8081B	<1520	U	µg/kg	1520	2470	100	08/27/25 02:53	08/21/25 13:43
Endrin	EPA 8081B	<2000	U	µg/kg	2000	2470	100	08/27/25 02:53	08/21/25 13:43
Endrin aldehyde	EPA 8081B	<1560	U	µg/kg	1560	2470	100	08/27/25 02:53	08/21/25 13:43
Endrin ketone	EPA 8081B	<1500	U	µg/kg	1500	2470	100	08/27/25 02:53	08/21/25 13:43
gamma-BHC (Lindane)	EPA 8081B	<1620	U	µg/kg	1620	2470	100	08/27/25 02:53	08/21/25 13:43
Heptachlor	EPA 8081B	<1590	U	µg/kg	1590	2470	100	08/27/25 02:53	08/21/25 13:43
Heptachlor epoxide	EPA 8081B	<1630	U	µg/kg	1630	2470	100	08/27/25 02:53	08/21/25 13:43
Methoxychlor	EPA 8081B	<1650	U	µg/kg	1650	2470	100	08/27/25 02:53	08/21/25 13:43
Toxaphene	EPA 8081B	<2670	U	µg/kg	2670	14800	100	08/27/25 02:53	08/21/25 13:43
trans-Chlordane	EPA 8081B	<1640	U	µg/kg	1640	2470	100	08/27/25 02:53	08/21/25 13:43
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	200	<i>S</i>	<i>%REC</i>		53-151	100	08/27/25 02:53	08/21/25 13:43
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	110		<i>%REC</i>		67-127	100	08/27/25 02:53	08/21/25 13:43

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<56.5	U	µg/kg	56.5	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1221	EPA 8082A	<56.5	U	µg/kg	56.5	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1232	EPA 8082A	<56.5	U	µg/kg	56.5	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1242	EPA 8082A	<56.5	U	µg/kg	56.5	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1248	EPA 8082A	<56.5	U	µg/kg	56.5	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1254	EPA 8082A	<46.0	U	µg/kg	46.0	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1260	EPA 8082A	<46.0	U	µg/kg	46.0	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1262	EPA 8082A	<46.0	U	µg/kg	46.0	165	1	08/22/25 03:16	08/21/25 11:57
Aroclor 1268	EPA 8082A	<46.0	U	µg/kg	46.0	165	1	08/22/25 03:16	08/21/25 11:57
Total PCB	EPA 8082A	<46.0	U	µg/kg	46.0	165	1	08/22/25 03:16	08/21/25 11:57
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	95.7		<i>%REC</i>		54-146	1	08/22/25 03:16	08/21/25 11:57
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	78.1		<i>%REC</i>		58-140	1	08/22/25 03:16	08/21/25 11:57

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<74.4	U	µg/kg	74.4	454	5	08/28/25 01:06	08/25/25 16:39
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<106	U	µg/kg	106	4580	5	08/28/25 01:06	08/25/25 16:39
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<329	U	µg/kg	329	2290	5	08/28/25 01:06	08/25/25 16:39
1-Methylnaphthalene	EPA 8270E	<66.0	U	µg/kg	66.0	91.7	5	08/28/25 01:06	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4)	Lab ID: HN2511215-001
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	<107	U	µg/kg	107	454	5	08/28/25 01:06	08/25/25 16:39
2,3,4,6-Tetrachlorophenol	EPA 8270E	<336	U	µg/kg	336	917	5	08/28/25 01:06	08/25/25 16:39
2,4,5-Trichlorophenol	EPA 8270E	<272	U	µg/kg	272	454	5	08/28/25 01:06	08/25/25 16:39
2,4,6-Trichlorophenol	EPA 8270E	<122	U	µg/kg	122	454	5	08/28/25 01:06	08/25/25 16:39
2,4-Dichlorophenol	EPA 8270E	<247	U	µg/kg	247	454	5	08/28/25 01:06	08/25/25 16:39
2,4-Dimethylphenol	EPA 8270E	<236	BU	µg/kg	236	454	5	08/28/25 01:06	08/25/25 16:39
2,4-Dinitrophenol	EPA 8270E	<3350	U	µg/kg	3350	4580	5	08/28/25 01:06	08/25/25 16:39
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<298	U	µg/kg	298	454	5	08/28/25 01:06	08/25/25 16:39
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<117	U	µg/kg	117	454	5	08/28/25 01:06	08/25/25 16:39
2-Chloronaphthalene	EPA 8270E	<64.1	U	µg/kg	64.1	91.7	5	08/28/25 01:06	08/25/25 16:39
2-Chlorophenol	EPA 8270E	<300	U	µg/kg	300	454	5	08/28/25 01:06	08/25/25 16:39
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<383	U	µg/kg	383	454	5	08/28/25 01:06	08/25/25 16:39
2-Methylnaphthalene	EPA 8270E	<46.6	U	µg/kg	46.6	91.7	5	08/28/25 01:06	08/25/25 16:39
2-Methylphenol (o-Cresol)	EPA 8270E	<124	U	µg/kg	124	454	5	08/28/25 01:06	08/25/25 16:39
2-Nitroaniline	EPA 8270E	<255	U	µg/kg	255	454	5	08/28/25 01:06	08/25/25 16:39
2-Nitrophenol	EPA 8270E	<131	U	µg/kg	131	454	5	08/28/25 01:06	08/25/25 16:39
3&4-Methylphenol	EPA 8270E	<250	U	µg/kg	250	454	5	08/28/25 01:06	08/25/25 16:39
3,3'-Dichlorobenzidine	EPA 8270E	<214	U	µg/kg	214	2290	5	08/28/25 01:06	08/25/25 16:39
3-Nitroaniline	EPA 8270E	<266	U	µg/kg	266	454	5	08/28/25 01:06	08/25/25 16:39
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<251	U	µg/kg	251	454	5	08/28/25 01:06	08/25/25 16:39
4-Chloro-3-methylphenol	EPA 8270E	<131	U	µg/kg	131	454	5	08/28/25 01:06	08/25/25 16:39
4-Chloroaniline	EPA 8270E	<233	U	µg/kg	233	917	5	08/28/25 01:06	08/25/25 16:39
4-Chlorophenyl phenylether	EPA 8270E	<127	U	µg/kg	127	454	5	08/28/25 01:06	08/25/25 16:39
4-Nitroaniline	EPA 8270E	<711	U	µg/kg	711	2290	5	08/28/25 01:06	08/25/25 16:39
4-Nitrophenol	EPA 8270E	<1070	U	µg/kg	1070	4580	5	08/28/25 01:06	08/25/25 16:39
Acenaphthene	EPA 8270E	<66.3	U	µg/kg	66.3	91.7	5	08/28/25 01:06	08/25/25 16:39
Acenaphthylene	EPA 8270E	<79.5	U	µg/kg	79.5	91.7	5	08/28/25 01:06	08/25/25 16:39
Acetophenone	EPA 8270E	<71.8	U	µg/kg	71.8	454	5	08/28/25 01:06	08/25/25 16:39
Anthracene	EPA 8270E	248		µg/kg	64.6	91.7	5	08/28/25 01:06	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4)	Lab ID: HN2511215-001
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Atrazine	EPA 8270E	<269	U	µg/kg	269	454	5	08/28/25 01:06	08/25/25 16:39
Benzaldehyde	EPA 8270E	<704	U	µg/kg	704	917	5	08/28/25 01:06	08/25/25 16:39
Benzo(a)anthracene	EPA 8270E	816		µg/kg	79.2	91.7	5	08/28/25 01:06	08/25/25 16:39
Benzo(a)pyrene	EPA 8270E	743		µg/kg	56.3	91.7	5	08/28/25 01:06	08/25/25 16:39
Benzo(b)fluoranthene	EPA 8270E	1010		µg/kg	68.4	91.7	5	08/28/25 01:06	08/25/25 16:39
Benzo(g,h,i)perylene	EPA 8270E	541		µg/kg	70.3	91.7	5	08/28/25 01:06	08/25/25 16:39
Benzo(k)fluoranthene	EPA 8270E	339		µg/kg	69.5	91.7	5	08/28/25 01:06	08/25/25 16:39
bis(2-Chloroethoxy) methane	EPA 8270E	<290	U	µg/kg	290	454	5	08/28/25 01:06	08/25/25 16:39
bis(2-Chloroethyl) ether	EPA 8270E	<130	U	µg/kg	130	454	5	08/28/25 01:06	08/25/25 16:39
Butyl benzyl phthalate	EPA 8270E	<574	U	µg/kg	574	917	5	08/28/25 01:06	08/25/25 16:39
Caprolactam	EPA 8270E	<414	U	µg/kg	414	454	5	08/28/25 01:06	08/25/25 16:39
Carbazole	EPA 8270E	<135	U	µg/kg	135	454	5	08/28/25 01:06	08/25/25 16:39
Chrysene	EPA 8270E	752		µg/kg	74.1	91.7	5	08/28/25 01:06	08/25/25 16:39
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	<379	U	µg/kg	379	454	5	08/28/25 01:06	08/25/25 16:39
Dibenz(a,h) anthracene	EPA 8270E	<49.5	U	µg/kg	49.5	454	5	08/28/25 01:06	08/25/25 16:39
Dibenzofuran	EPA 8270E	<67.4	U	µg/kg	67.4	454	5	08/28/25 01:06	08/25/25 16:39
Diethyl phthalate	EPA 8270E	<156	U	µg/kg	156	454	5	08/28/25 01:06	08/25/25 16:39
Dimethyl phthalate	EPA 8270E	<89.4	U	µg/kg	89.4	454	5	08/28/25 01:06	08/25/25 16:39
Di-n-butyl phthalate	EPA 8270E	<281	U	µg/kg	281	454	5	08/28/25 01:06	08/25/25 16:39
Di-n-octyl phthalate	EPA 8270E	<397	U	µg/kg	397	454	5	08/28/25 01:06	08/25/25 16:39
Fluoranthene	EPA 8270E	1560		µg/kg	44.0	91.7	5	08/28/25 01:06	08/25/25 16:39
Fluorene	EPA 8270E	<66.6	U	µg/kg	66.6	91.7	5	08/28/25 01:06	08/25/25 16:39
Hexachlorobenzene	EPA 8270E	<133	U	µg/kg	133	454	5	08/28/25 01:06	08/25/25 16:39
Hexachlorobutadiene	EPA 8270E	<108	U	µg/kg	108	454	5	08/28/25 01:06	08/25/25 16:39
Hexachlorocyclopentadiene	EPA 8270E	<435	U	µg/kg	435	454	5	08/28/25 01:06	08/25/25 16:39
Hexachloroethane	EPA 8270E	<190	U	µg/kg	190	454	5	08/28/25 01:06	08/25/25 16:39
Indeno(1,2,3-cd) pyrene	EPA 8270E	587		µg/kg	63.8	91.7	5	08/28/25 01:06	08/25/25 16:39
Isophorone	EPA 8270E	<89.6	U	µg/kg	89.6	2290	5	08/28/25 01:06	08/25/25 16:39
Methylphenol, Total	EPA 8270E	<124	U	µg/kg	124	454	5	08/28/25 01:06	08/25/25 16:39
Naphthalene	EPA 8270E	<58.6	U	µg/kg	58.6	91.7	5	08/28/25 01:06	08/25/25 16:39
Nitrobenzene	EPA 8270E	<154	U	µg/kg	154	2290	5	08/28/25 01:06	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4) **Lab ID: HN2511215-001**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
n-Nitrosodi-n-propylamine	EPA 8270E	<75.7	U	µg/kg	75.7	454	5	08/28/25 01:06	08/25/25 16:39
N-Nitrosodiphenylamine	EPA 8270E	<266	U	µg/kg	266	454	5	08/28/25 01:06	08/25/25 16:39
Pentachlorophenol	EPA 8270E	<364	U	µg/kg	364	454	5	08/28/25 01:06	08/25/25 16:39
Phenanthrene	EPA 8270E	532		µg/kg	42.6	91.7	5	08/28/25 01:06	08/25/25 16:39
Phenol	EPA 8270E	<230	U	µg/kg	230	454	5	08/28/25 01:06	08/25/25 16:39
Pyrene	EPA 8270E	1490		µg/kg	45.8	91.7	5	08/28/25 01:06	08/25/25 16:39
Pyridine	EPA 8270E	<902	U	µg/kg	902	2290	5	08/28/25 01:06	08/25/25 16:39
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	86.6		%REC		48-94	5	08/28/25 01:06	08/25/25 16:39
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	72.3		%REC		50-103	5	08/28/25 01:06	08/25/25 16:39
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	66.0		%REC		43-105	5	08/28/25 01:06	08/25/25 16:39
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	77.3		%REC		55-111	5	08/28/25 01:06	08/25/25 16:39
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	76.3		%REC		47-100	5	08/28/25 01:06	08/25/25 16:39
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	63.9		%REC		49-110	5	08/28/25 01:06	08/25/25 16:39

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<16.8	U	µg/kg	16.8	37.0	1	08/18/25 12:37	08/18/25 12:29
1,1,2,2-Tetrachloroethane	EPA 8260D	<16.3	U	µg/kg	16.3	37.0	1	08/18/25 12:37	08/18/25 12:29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<23.4	U	µg/kg	23.4	37.0	1	08/18/25 12:37	08/18/25 12:29
1,1,2-Trichloroethane	EPA 8260D	<15.7	U	µg/kg	15.7	37.0	1	08/18/25 12:37	08/18/25 12:29
1,1-Dichloroethane	EPA 8260D	<13.5	U	µg/kg	13.5	37.0	1	08/18/25 12:37	08/18/25 12:29
1,1-Dichloroethylene	EPA 8260D	<12.0	U	µg/kg	12.0	37.0	1	08/18/25 12:37	08/18/25 12:29
1,2,3-Trichlorobenzene	EPA 8260D	<44.3	U	µg/kg	44.3	123	1	08/18/25 12:37	08/18/25 12:29
1,2,3-Trichloropropane	EPA 8260D	<15.5	U	µg/kg	15.5	37.0	1	08/18/25 12:37	08/18/25 12:29
1,2,4-Trichlorobenzene	EPA 8260D	<41.9	U	µg/kg	41.9	123	1	08/18/25 12:37	08/18/25 12:29
1,2,4-Trimethylbenzene	EPA 8260D	<27.1	U	µg/kg	27.1	37.0	1	08/18/25 12:37	08/18/25 12:29
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<34.0	U	µg/kg	34.0	123	1	08/18/25 12:37	08/18/25 12:29
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<21.7	U	µg/kg	21.7	37.0	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<14.0	U	µg/kg	14.0	37.0	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<21.7	U	µg/kg	21.7	123	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichloropropane	EPA 8260D	<27.2	U	µg/kg	27.2	37.0	1	08/18/25 12:37	08/18/25 12:29
1,3,5-Trimethylbenzene	EPA 8260D	<26.1	U	µg/kg	26.1	123	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4) **Lab ID: HN2511215-001**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	<25.5	U	µg/kg	25.5	37.0	1	08/18/25 12:37	08/18/25 12:29
1,3-Dichloropropene	EPA 8260D	<20.6	U	µg/kg	20.6	73.9	1	08/18/25 12:37	08/18/25 12:29
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	<30.0	U	µg/kg	30.0	37.0	1	08/18/25 12:37	08/18/25 12:29
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<88.0	U	µg/kg	88.0	246	1	08/18/25 12:37	08/18/25 12:29
2-Hexanone	EPA 8260D	<18.3	U	µg/kg	18.3	37.0	1	08/18/25 12:37	08/18/25 12:29
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<34.4	U	µg/kg	34.4	37.0	1	08/18/25 12:37	08/18/25 12:29
Acetone	EPA 8260D	<110	U	µg/kg	110	123	1	08/18/25 12:37	08/18/25 12:29
Benzene	EPA 8260D	<17.9	U	µg/kg	17.9	37.0	1	08/18/25 12:37	08/18/25 12:29
Bromochloromethane	EPA 8260D	<18.8	U	µg/kg	18.8	37.0	1	08/18/25 12:37	08/18/25 12:29
Bromodichloromethane	EPA 8260D	<20.7	U	µg/kg	20.7	37.0	1	08/18/25 12:37	08/18/25 12:29
Bromoform	EPA 8260D	<15.6	U	µg/kg	15.6	37.0	1	08/18/25 12:37	08/18/25 12:29
Carbon disulfide	EPA 8260D	<19.1	U	µg/kg	19.1	37.0	1	08/18/25 12:37	08/18/25 12:29
Carbon tetrachloride	EPA 8260D	<14.5	U	µg/kg	14.5	37.0	1	08/18/25 12:37	08/18/25 12:29
Chlorobenzene	EPA 8260D	<12.3	U	µg/kg	12.3	37.0	1	08/18/25 12:37	08/18/25 12:29
Chlorodibromomethane	EPA 8260D	<20.8	U	µg/kg	20.8	37.0	1	08/18/25 12:37	08/18/25 12:29
Chloroethane (Ethyl chloride)	EPA 8260D	<103	U	µg/kg	103	123	1	08/18/25 12:37	08/18/25 12:29
Chloroform	EPA 8260D	<13.5	U	µg/kg	13.5	37.0	1	08/18/25 12:37	08/18/25 12:29
cis & trans-1,2-Dichloroethene	EPA 8260D	<23.8	U	µg/kg	23.8	73.9	1	08/18/25 12:37	08/18/25 12:29
cis-1,2-Dichloroethylene	EPA 8260D	<23.8	U	µg/kg	23.8	37.0	1	08/18/25 12:37	08/18/25 12:29
cis-1,3-Dichloropropene	EPA 8260D	<27.8	U	µg/kg	27.8	37.0	1	08/18/25 12:37	08/18/25 12:29
Cyclohexane	EPA 8260D	<28.3	U	µg/kg	28.3	123	1	08/18/25 12:37	08/18/25 12:29
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<44.7	U	µg/kg	44.7	123	1	08/18/25 12:37	08/18/25 12:29
Ethylbenzene	EPA 8260D	<26.2	U	µg/kg	26.2	37.0	1	08/18/25 12:37	08/18/25 12:29
Isopropylbenzene	EPA 8260D	<23.3	U	µg/kg	23.3	37.0	1	08/18/25 12:37	08/18/25 12:29
m+p-Xylene	EPA 8260D	<49.3	U	µg/kg	49.3	73.9	1	08/18/25 12:37	08/18/25 12:29
Methyl acetate	EPA 8260D	97.3	J	µg/kg	44.2	308	1	08/18/25 12:37	08/18/25 12:29
Methyl bromide (Bromomethane)	EPA 8260D	<70.7	U	µg/kg	70.7	123	1	08/18/25 12:37	08/18/25 12:29
Methyl chloride (Chloromethane)	EPA 8260D	<101	U	µg/kg	101	123	1	08/18/25 12:37	08/18/25 12:29
Methyl tert-butyl ether (MTBE)	EPA 8260D	<27.0	U	µg/kg	27.0	37.0	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:35
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB01 (3-4)	Lab ID: HN2511215-001
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methylcyclohexane	EPA 8260D	<14.1	U	µg/kg	14.1	37.0	1	08/18/25 12:37	08/18/25 12:29
Methylene chloride (Dichloromethane)	EPA 8260D	<98.1	U	µg/kg	98.1	308	1	08/18/25 12:37	08/18/25 12:29
o-Xylene	EPA 8260D	<14.3	U	µg/kg	14.3	37.0	1	08/18/25 12:37	08/18/25 12:29
Styrene	EPA 8260D	<14.6	U	µg/kg	14.6	37.0	1	08/18/25 12:37	08/18/25 12:29
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<22.2	U	µg/kg	22.2	37.0	1	08/18/25 12:37	08/18/25 12:29
Toluene	EPA 8260D	<30.5	U	µg/kg	30.5	37.0	1	08/18/25 12:37	08/18/25 12:29
Total Xylene	EPA 8260D	<14.3	U	µg/kg	14.3	111	1	08/18/25 12:37	08/18/25 12:29
trans-1,2-Dichloroethylene	EPA 8260D	<30.5	U	µg/kg	30.5	37.0	1	08/18/25 12:37	08/18/25 12:29
trans-1,3-Dichloropropylene	EPA 8260D	<20.6	U	µg/kg	20.6	37.0	1	08/18/25 12:37	08/18/25 12:29
Trichloroethene (Trichloroethylene)	EPA 8260D	<16.6	U	µg/kg	16.6	37.0	1	08/18/25 12:37	08/18/25 12:29
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<18.9	U	µg/kg	18.9	37.0	1	08/18/25 12:37	08/18/25 12:29
Vinyl chloride (Chloroethene)	EPA 8260D	<24.6	U	µg/kg	24.6	37.0	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	95.7		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	99.4		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	80.6		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	96.6		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2) **Lab ID: HN2511215-002**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD									
2,4,5-T	EPA 8151A	<0.947	HU	µg/kg	0.947	5.15	1	08/26/25 22:03	08/25/25 16:58
2,4,5-TP (Silvex)	EPA 8151A	<1.69	HU	µg/kg	1.69	5.15	1	08/26/25 22:03	08/25/25 16:58
2,4-D	EPA 8151A	<2.75	HU	µg/kg	2.75	10.3	1	08/26/25 22:03	08/25/25 16:58
Surr: DCAA	EPA 8151A	56.0	H	%REC			10-116	1	08/26/25 22:03 08/25/25 16:58
General Chemistry Parameters									
Percent Moisture	EPA 3550C	5.9		%	0.1	0.1	1	08/13/25 00:00	NA
Chloride	EPA 9056A	56.7		mg/kg	3.28	10.6	1	08/14/25 15:25	08/14/25 11:50
Metals									
Arsenic	EPA 6020B	4.55		mg/kg	0.0370	0.308	1	08/16/25 02:42	08/15/25 08:37
Barium	EPA 6020B	51.3		mg/kg	0.283	0.308	1	08/16/25 02:42	08/15/25 08:37
Cadmium	EPA 6020B	0.280		mg/kg	0.0185	0.123	1	08/16/25 02:42	08/15/25 08:37
Chromium	EPA 6020B	17.1		mg/kg	1.36	3.08	10	08/18/25 17:10	08/15/25 08:37
Copper	EPA 6020B	17.3		mg/kg	3.08	3.08	10	08/18/25 17:10	08/15/25 08:37
Lead	EPA 6020B	40.2		mg/kg	0.148	0.308	1	08/16/25 02:42	08/15/25 08:37
Selenium	EPA 6020B	<0.283	U	mg/kg	0.283	0.308	1	08/16/25 02:42	08/15/25 08:37
Silver	EPA 6020B	<0.0407	U	mg/kg	0.0407	0.308	1	08/16/25 02:42	08/15/25 08:37
Zinc	EPA 6020B	50.5		mg/kg	0.604	0.616	1	08/16/25 02:42	08/15/25 08:37
Mercury	EPA 7471B	0.0297		mg/kg	0.0136	0.0200	1	08/15/25 10:18	08/15/25 07:58
Organochlorine Pesticides by GC/ECD									
4,4'-DDD	EPA 8081B	<638	U	µg/kg	638	998	100	08/27/25 03:08	08/21/25 13:43
4,4'-DDE	EPA 8081B	<657	U	µg/kg	657	998	100	08/27/25 03:08	08/21/25 13:43
4,4'-DDT	EPA 8081B	<664	U	µg/kg	664	998	100	08/27/25 03:08	08/21/25 13:43
Aldrin	EPA 8081B	<648	U	µg/kg	648	998	100	08/27/25 03:08	08/21/25 13:43
alpha-BHC	EPA 8081B	<657	U	µg/kg	657	998	100	08/27/25 03:08	08/21/25 13:43
beta-BHC	EPA 8081B	<655	U	µg/kg	655	998	100	08/27/25 03:08	08/21/25 13:43
Chlordane, Technical	EPA 8081B	<989	U	µg/kg	989	2490	100	08/27/25 03:08	08/21/25 13:43
cis-Chlordane	EPA 8081B	<667	U	µg/kg	667	998	100	08/27/25 03:08	08/21/25 13:43
delta-BHC	EPA 8081B	<653	U	µg/kg	653	998	100	08/27/25 03:08	08/21/25 13:43
Dieldrin	EPA 8081B	<698	U	µg/kg	698	998	100	08/27/25 03:08	08/21/25 13:43
Endosulfan I	EPA 8081B	<670	U	µg/kg	670	998	100	08/27/25 03:08	08/21/25 13:43
Endosulfan II	EPA 8081B	<661	U	µg/kg	661	998	100	08/27/25 03:08	08/21/25 13:43

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2)	Lab ID: HN2511215-002
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan sulfate	EPA 8081B	<614	U	µg/kg	614	998	100	08/27/25 03:08	08/21/25 13:43
Endrin	EPA 8081B	<807	U	µg/kg	807	998	100	08/27/25 03:08	08/21/25 13:43
Endrin aldehyde	EPA 8081B	<632	U	µg/kg	632	998	100	08/27/25 03:08	08/21/25 13:43
Endrin ketone	EPA 8081B	<607	U	µg/kg	607	998	100	08/27/25 03:08	08/21/25 13:43
gamma-BHC (Lindane)	EPA 8081B	<655	U	µg/kg	655	998	100	08/27/25 03:08	08/21/25 13:43
Heptachlor	EPA 8081B	<644	U	µg/kg	644	998	100	08/27/25 03:08	08/21/25 13:43
Heptachlor epoxide	EPA 8081B	<660	U	µg/kg	660	998	100	08/27/25 03:08	08/21/25 13:43
Methoxychlor	EPA 8081B	<667	U	µg/kg	667	998	100	08/27/25 03:08	08/21/25 13:43
Toxaphene	EPA 8081B	<1080	U	µg/kg	1080	5990	100	08/27/25 03:08	08/21/25 13:43
trans-Chlordane	EPA 8081B	<663	U	µg/kg	663	998	100	08/27/25 03:08	08/21/25 13:43
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	125		%REC		53-151	100	08/27/25 03:08	08/21/25 13:43
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	70.0		%REC		67-127	100	08/27/25 03:08	08/21/25 13:43

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<22.8	U	µg/kg	22.8	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1221	EPA 8082A	<22.8	U	µg/kg	22.8	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1232	EPA 8082A	<22.8	U	µg/kg	22.8	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1242	EPA 8082A	<22.8	U	µg/kg	22.8	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1248	EPA 8082A	<22.8	U	µg/kg	22.8	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1254	EPA 8082A	<18.6	U	µg/kg	18.6	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1260	EPA 8082A	<18.6	U	µg/kg	18.6	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1262	EPA 8082A	<18.6	U	µg/kg	18.6	66.5	1	08/22/25 03:28	08/21/25 11:57
Aroclor 1268	EPA 8082A	<18.6	U	µg/kg	18.6	66.5	1	08/22/25 03:28	08/21/25 11:57
Total PCB	EPA 8082A	<18.6	U	µg/kg	18.6	66.5	1	08/22/25 03:28	08/21/25 11:57
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	90.1		%REC		54-146	1	08/22/25 03:28	08/21/25 11:57
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	62.7		%REC		58-140	1	08/22/25 03:28	08/21/25 11:57

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<28.5	U	µg/kg	28.5	174	5	08/28/25 01:27	08/25/25 16:39
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<40.4	U	µg/kg	40.4	1750	5	08/28/25 01:27	08/25/25 16:39
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<126	U	µg/kg	126	877	5	08/28/25 01:27	08/25/25 16:39
1-Methylnaphthalene	EPA 8270E	<25.2	U	µg/kg	25.2	35.1	5	08/28/25 01:27	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2)	Lab ID: HN2511215-002
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	<41.1	U	µg/kg	41.1	174	5	08/28/25 01:27	08/25/25 16:39
2,3,4,6-Tetrachlorophenol	EPA 8270E	<128	U	µg/kg	128	351	5	08/28/25 01:27	08/25/25 16:39
2,4,5-Trichlorophenol	EPA 8270E	<104	U	µg/kg	104	174	5	08/28/25 01:27	08/25/25 16:39
2,4,6-Trichlorophenol	EPA 8270E	<46.7	U	µg/kg	46.7	174	5	08/28/25 01:27	08/25/25 16:39
2,4-Dichlorophenol	EPA 8270E	<94.4	U	µg/kg	94.4	174	5	08/28/25 01:27	08/25/25 16:39
2,4-Dimethylphenol	EPA 8270E	<90.2	BU	µg/kg	90.2	174	5	08/28/25 01:27	08/25/25 16:39
2,4-Dinitrophenol	EPA 8270E	<1280	U	µg/kg	1280	1750	5	08/28/25 01:27	08/25/25 16:39
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<114	U	µg/kg	114	174	5	08/28/25 01:27	08/25/25 16:39
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<44.8	U	µg/kg	44.8	174	5	08/28/25 01:27	08/25/25 16:39
2-Chloronaphthalene	EPA 8270E	<24.5	U	µg/kg	24.5	35.1	5	08/28/25 01:27	08/25/25 16:39
2-Chlorophenol	EPA 8270E	<115	U	µg/kg	115	174	5	08/28/25 01:27	08/25/25 16:39
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<146	U	µg/kg	146	174	5	08/28/25 01:27	08/25/25 16:39
2-Methylnaphthalene	EPA 8270E	<17.8	U	µg/kg	17.8	35.1	5	08/28/25 01:27	08/25/25 16:39
2-Methylphenol (o-Cresol)	EPA 8270E	<47.4	U	µg/kg	47.4	174	5	08/28/25 01:27	08/25/25 16:39
2-Nitroaniline	EPA 8270E	<97.4	U	µg/kg	97.4	174	5	08/28/25 01:27	08/25/25 16:39
2-Nitrophenol	EPA 8270E	<50.0	U	µg/kg	50.0	174	5	08/28/25 01:27	08/25/25 16:39
3&4-Methylphenol	EPA 8270E	<95.6	U	µg/kg	95.6	174	5	08/28/25 01:27	08/25/25 16:39
3,3'-Dichlorobenzidine	EPA 8270E	<81.8	U	µg/kg	81.8	877	5	08/28/25 01:27	08/25/25 16:39
3-Nitroaniline	EPA 8270E	<102	U	µg/kg	102	174	5	08/28/25 01:27	08/25/25 16:39
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<96.0	U	µg/kg	96.0	174	5	08/28/25 01:27	08/25/25 16:39
4-Chloro-3-methylphenol	EPA 8270E	<50.0	U	µg/kg	50.0	174	5	08/28/25 01:27	08/25/25 16:39
4-Chloroaniline	EPA 8270E	<89.1	U	µg/kg	89.1	351	5	08/28/25 01:27	08/25/25 16:39
4-Chlorophenyl phenylether	EPA 8270E	<48.4	U	µg/kg	48.4	174	5	08/28/25 01:27	08/25/25 16:39
4-Nitroaniline	EPA 8270E	<272	U	µg/kg	272	877	5	08/28/25 01:27	08/25/25 16:39
4-Nitrophenol	EPA 8270E	<411	U	µg/kg	411	1750	5	08/28/25 01:27	08/25/25 16:39
Acenaphthene	EPA 8270E	<25.4	U	µg/kg	25.4	35.1	5	08/28/25 01:27	08/25/25 16:39
Acenaphthylene	EPA 8270E	<30.4	U	µg/kg	30.4	35.1	5	08/28/25 01:27	08/25/25 16:39
Acetophenone	EPA 8270E	<27.5	U	µg/kg	27.5	174	5	08/28/25 01:27	08/25/25 16:39
Anthracene	EPA 8270E	147		µg/kg	24.7	35.1	5	08/28/25 01:27	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2)	Lab ID: HN2511215-002
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Atrazine	EPA 8270E	<103	U	µg/kg	103	174	5	08/28/25 01:27	08/25/25 16:39
Benzaldehyde	EPA 8270E	<269	U	µg/kg	269	351	5	08/28/25 01:27	08/25/25 16:39
Benzo(a)anthracene	EPA 8270E	214		µg/kg	30.3	35.1	5	08/28/25 01:27	08/25/25 16:39
Benzo(a)pyrene	EPA 8270E	224		µg/kg	21.5	35.1	5	08/28/25 01:27	08/25/25 16:39
Benzo(b)fluoranthene	EPA 8270E	316		µg/kg	26.1	35.1	5	08/28/25 01:27	08/25/25 16:39
Benzo(g,h,i)perylene	EPA 8270E	221		µg/kg	26.9	35.1	5	08/28/25 01:27	08/25/25 16:39
Benzo(k)fluoranthene	EPA 8270E	119		µg/kg	26.6	35.1	5	08/28/25 01:27	08/25/25 16:39
bis(2-Chloroethoxy) methane	EPA 8270E	<111	U	µg/kg	111	174	5	08/28/25 01:27	08/25/25 16:39
bis(2-Chloroethyl) ether	EPA 8270E	<49.7	U	µg/kg	49.7	174	5	08/28/25 01:27	08/25/25 16:39
Butyl benzyl phthalate	EPA 8270E	<220	U	µg/kg	220	351	5	08/28/25 01:27	08/25/25 16:39
Caprolactam	EPA 8270E	<158	U	µg/kg	158	174	5	08/28/25 01:27	08/25/25 16:39
Carbazole	EPA 8270E	<51.7	U	µg/kg	51.7	174	5	08/28/25 01:27	08/25/25 16:39
Chrysene	EPA 8270E	221		µg/kg	28.4	35.1	5	08/28/25 01:27	08/25/25 16:39
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	<145	U	µg/kg	145	174	5	08/28/25 01:27	08/25/25 16:39
Dibenz(a,h) anthracene	EPA 8270E	<18.9	U	µg/kg	18.9	174	5	08/28/25 01:27	08/25/25 16:39
Dibenzofuran	EPA 8270E	<25.8	U	µg/kg	25.8	174	5	08/28/25 01:27	08/25/25 16:39
Diethyl phthalate	EPA 8270E	<59.6	U	µg/kg	59.6	174	5	08/28/25 01:27	08/25/25 16:39
Dimethyl phthalate	EPA 8270E	<34.2	U	µg/kg	34.2	174	5	08/28/25 01:27	08/25/25 16:39
Di-n-butyl phthalate	EPA 8270E	<108	U	µg/kg	108	174	5	08/28/25 01:27	08/25/25 16:39
Di-n-octyl phthalate	EPA 8270E	<152	U	µg/kg	152	174	5	08/28/25 01:27	08/25/25 16:39
Fluoranthene	EPA 8270E	438		µg/kg	16.8	35.1	5	08/28/25 01:27	08/25/25 16:39
Fluorene	EPA 8270E	<25.5	U	µg/kg	25.5	35.1	5	08/28/25 01:27	08/25/25 16:39
Hexachlorobenzene	EPA 8270E	<51.0	U	µg/kg	51.0	174	5	08/28/25 01:27	08/25/25 16:39
Hexachlorobutadiene	EPA 8270E	<41.3	U	µg/kg	41.3	174	5	08/28/25 01:27	08/25/25 16:39
Hexachlorocyclopentadiene	EPA 8270E	<166	U	µg/kg	166	174	5	08/28/25 01:27	08/25/25 16:39
Hexachloroethane	EPA 8270E	<72.6	U	µg/kg	72.6	174	5	08/28/25 01:27	08/25/25 16:39
Indeno(1,2,3-cd) pyrene	EPA 8270E	200		µg/kg	24.4	35.1	5	08/28/25 01:27	08/25/25 16:39
Isophorone	EPA 8270E	<34.2	U	µg/kg	34.2	877	5	08/28/25 01:27	08/25/25 16:39
Methylphenol, Total	EPA 8270E	<47.4	U	µg/kg	47.4	174	5	08/28/25 01:27	08/25/25 16:39
Naphthalene	EPA 8270E	<22.4	U	µg/kg	22.4	35.1	5	08/28/25 01:27	08/25/25 16:39
Nitrobenzene	EPA 8270E	<58.9	U	µg/kg	58.9	877	5	08/28/25 01:27	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2) **Lab ID: HN2511215-002**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
n-Nitrosodi-n-propylamine	EPA 8270E	<28.9	U	µg/kg	28.9	174	5	08/28/25 01:27	08/25/25 16:39
N-Nitrosodiphenylamine	EPA 8270E	<102	U	µg/kg	102	174	5	08/28/25 01:27	08/25/25 16:39
Pentachlorophenol	EPA 8270E	<139	U	µg/kg	139	174	5	08/28/25 01:27	08/25/25 16:39
Phenanthrene	EPA 8270E	168		µg/kg	16.3	35.1	5	08/28/25 01:27	08/25/25 16:39
Phenol	EPA 8270E	<88.1	U	µg/kg	88.1	174	5	08/28/25 01:27	08/25/25 16:39
Pyrene	EPA 8270E	407		µg/kg	17.5	35.1	5	08/28/25 01:27	08/25/25 16:39
Pyridine	EPA 8270E	<345	U	µg/kg	345	877	5	08/28/25 01:27	08/25/25 16:39
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	39.0	<i>S</i>	<i>%REC</i>		<i>48-94</i>	<i>5</i>	<i>08/28/25 01:27</i>	<i>08/25/25 16:39</i>
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	58.4		<i>%REC</i>		<i>50-103</i>	<i>5</i>	<i>08/28/25 01:27</i>	<i>08/25/25 16:39</i>
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	44.0		<i>%REC</i>		<i>43-105</i>	<i>5</i>	<i>08/28/25 01:27</i>	<i>08/25/25 16:39</i>
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	58.6		<i>%REC</i>		<i>55-111</i>	<i>5</i>	<i>08/28/25 01:27</i>	<i>08/25/25 16:39</i>
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	64.4		<i>%REC</i>		<i>47-100</i>	<i>5</i>	<i>08/28/25 01:27</i>	<i>08/25/25 16:39</i>
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	46.2	<i>S</i>	<i>%REC</i>		<i>49-110</i>	<i>5</i>	<i>08/28/25 01:27</i>	<i>08/25/25 16:39</i>

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<17.1	U	µg/kg	17.1	37.6	1	08/18/25 12:37	08/18/25 12:29
1,1,2,2-Tetrachloroethane	EPA 8260D	<16.6	U	µg/kg	16.6	37.6	1	08/18/25 12:37	08/18/25 12:29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<23.8	U	µg/kg	23.8	37.6	1	08/18/25 12:37	08/18/25 12:29
1,1,2-Trichloroethane	EPA 8260D	<16.0	U	µg/kg	16.0	37.6	1	08/18/25 12:37	08/18/25 12:29
1,1-Dichloroethane	EPA 8260D	<13.7	U	µg/kg	13.7	37.6	1	08/18/25 12:37	08/18/25 12:29
1,1-Dichloroethylene	EPA 8260D	<12.2	U	µg/kg	12.2	37.6	1	08/18/25 12:37	08/18/25 12:29
1,2,3-Trichlorobenzene	EPA 8260D	<45.2	U	µg/kg	45.2	125	1	08/18/25 12:37	08/18/25 12:29
1,2,3-Trichloropropane	EPA 8260D	<15.8	U	µg/kg	15.8	37.6	1	08/18/25 12:37	08/18/25 12:29
1,2,4-Trichlorobenzene	EPA 8260D	<42.6	U	µg/kg	42.6	125	1	08/18/25 12:37	08/18/25 12:29
1,2,4-Trimethylbenzene	EPA 8260D	<27.6	U	µg/kg	27.6	37.6	1	08/18/25 12:37	08/18/25 12:29
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<34.6	U	µg/kg	34.6	125	1	08/18/25 12:37	08/18/25 12:29
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<22.1	U	µg/kg	22.1	37.6	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<14.3	U	µg/kg	14.3	37.6	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<22.1	U	µg/kg	22.1	125	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichloropropane	EPA 8260D	<27.7	U	µg/kg	27.7	37.6	1	08/18/25 12:37	08/18/25 12:29
1,3,5-Trimethylbenzene	EPA 8260D	<26.6	U	µg/kg	26.6	125	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2) **Lab ID: HN2511215-002**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	<26.0	U	µg/kg	26.0	37.6	1	08/18/25 12:37	08/18/25 12:29
1,3-Dichloropropene	EPA 8260D	<21.0	U	µg/kg	21.0	75.3	1	08/18/25 12:37	08/18/25 12:29
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	<30.6	U	µg/kg	30.6	37.6	1	08/18/25 12:37	08/18/25 12:29
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<89.6	U	µg/kg	89.6	251	1	08/18/25 12:37	08/18/25 12:29
2-Hexanone	EPA 8260D	<18.7	U	µg/kg	18.7	37.6	1	08/18/25 12:37	08/18/25 12:29
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<35.1	U	µg/kg	35.1	37.6	1	08/18/25 12:37	08/18/25 12:29
Acetone	EPA 8260D	<112	U	µg/kg	112	125	1	08/18/25 12:37	08/18/25 12:29
Benzene	EPA 8260D	<18.2	U	µg/kg	18.2	37.6	1	08/18/25 12:37	08/18/25 12:29
Bromochloromethane	EPA 8260D	<19.1	U	µg/kg	19.1	37.6	1	08/18/25 12:37	08/18/25 12:29
Bromodichloromethane	EPA 8260D	<21.1	U	µg/kg	21.1	37.6	1	08/18/25 12:37	08/18/25 12:29
Bromoform	EPA 8260D	<15.8	U	µg/kg	15.8	37.6	1	08/18/25 12:37	08/18/25 12:29
Carbon disulfide	EPA 8260D	<19.5	U	µg/kg	19.5	37.6	1	08/18/25 12:37	08/18/25 12:29
Carbon tetrachloride	EPA 8260D	<14.7	U	µg/kg	14.7	37.6	1	08/18/25 12:37	08/18/25 12:29
Chlorobenzene	EPA 8260D	<12.5	U	µg/kg	12.5	37.6	1	08/18/25 12:37	08/18/25 12:29
Chlorodibromomethane	EPA 8260D	<21.1	U	µg/kg	21.1	37.6	1	08/18/25 12:37	08/18/25 12:29
Chloroethane (Ethyl chloride)	EPA 8260D	<105	U	µg/kg	105	125	1	08/18/25 12:37	08/18/25 12:29
Chloroform	EPA 8260D	<13.8	U	µg/kg	13.8	37.6	1	08/18/25 12:37	08/18/25 12:29
cis & trans-1,2-Dichloroethene	EPA 8260D	<24.2	U	µg/kg	24.2	75.3	1	08/18/25 12:37	08/18/25 12:29
cis-1,2-Dichloroethylene	EPA 8260D	<24.2	U	µg/kg	24.2	37.6	1	08/18/25 12:37	08/18/25 12:29
cis-1,3-Dichloropropene	EPA 8260D	<28.4	U	µg/kg	28.4	37.6	1	08/18/25 12:37	08/18/25 12:29
Cyclohexane	EPA 8260D	<28.8	U	µg/kg	28.8	125	1	08/18/25 12:37	08/18/25 12:29
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<45.6	U	µg/kg	45.6	125	1	08/18/25 12:37	08/18/25 12:29
Ethylbenzene	EPA 8260D	<26.7	U	µg/kg	26.7	37.6	1	08/18/25 12:37	08/18/25 12:29
Isopropylbenzene	EPA 8260D	<23.8	U	µg/kg	23.8	37.6	1	08/18/25 12:37	08/18/25 12:29
m+p-Xylene	EPA 8260D	72.1	J	µg/kg	50.2	75.3	1	08/18/25 12:37	08/18/25 12:29
Methyl acetate	EPA 8260D	319		µg/kg	45.1	314	1	08/18/25 12:37	08/18/25 12:29
Methyl bromide (Bromomethane)	EPA 8260D	<72.0	U	µg/kg	72.0	125	1	08/18/25 12:37	08/18/25 12:29
Methyl chloride (Chloromethane)	EPA 8260D	<103	U	µg/kg	103	125	1	08/18/25 12:37	08/18/25 12:29
Methyl tert-butyl ether (MTBE)	EPA 8260D	<27.4	U	µg/kg	27.4	37.6	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:40
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB02 (1-2)	Lab ID: HN2511215-002
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methylcyclohexane	EPA 8260D	<14.4	U	µg/kg	14.4	37.6	1	08/18/25 12:37	08/18/25 12:29
Methylene chloride (Dichloromethane)	EPA 8260D	<99.9	U	µg/kg	99.9	314	1	08/18/25 12:37	08/18/25 12:29
o-Xylene	EPA 8260D	23.8	J	µg/kg	14.6	37.6	1	08/18/25 12:37	08/18/25 12:29
Styrene	EPA 8260D	<14.9	U	µg/kg	14.9	37.6	1	08/18/25 12:37	08/18/25 12:29
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<22.7	U	µg/kg	22.7	37.6	1	08/18/25 12:37	08/18/25 12:29
Toluene	EPA 8260D	<31.0	U	µg/kg	31.0	37.6	1	08/18/25 12:37	08/18/25 12:29
Total Xylene	EPA 8260D	<14.6	U	µg/kg	14.6	113	1	08/18/25 12:37	08/18/25 12:29
trans-1,2-Dichloroethylene	EPA 8260D	<31.0	U	µg/kg	31.0	37.6	1	08/18/25 12:37	08/18/25 12:29
trans-1,3-Dichloropropylene	EPA 8260D	<21.0	U	µg/kg	21.0	37.6	1	08/18/25 12:37	08/18/25 12:29
Trichloroethene (Trichloroethylene)	EPA 8260D	<16.9	U	µg/kg	16.9	37.6	1	08/18/25 12:37	08/18/25 12:29
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<19.2	U	µg/kg	19.2	37.6	1	08/18/25 12:37	08/18/25 12:29
Vinyl chloride (Chloroethene)	EPA 8260D	<25.0	U	µg/kg	25.0	37.6	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>EPA 8260D</i>	96.9		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: 4-Bromofluorobenzene</i>	<i>EPA 8260D</i>	98.9		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: Dibromofluoromethane</i>	<i>EPA 8260D</i>	79.2	S	%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
<i>Surr: Toluene-d8</i>	<i>EPA 8260D</i>	98.0		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6) **Lab ID: HN2511215-003**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD									
2,4,5-T	EPA 8151A	<1.03	HU	µg/kg	1.03	5.59	1	08/26/25 22:16	08/25/25 16:58
2,4,5-TP (Silvex)	EPA 8151A	<1.83	HU	µg/kg	1.83	5.59	1	08/26/25 22:16	08/25/25 16:58
2,4-D	EPA 8151A	<2.98	HU	µg/kg	2.98	11.2	1	08/26/25 22:16	08/25/25 16:58
Surr: DCAA	EPA 8151A	62.0	H	%REC			10-116	1	08/26/25 22:16 08/25/25 16:58
General Chemistry Parameters									
Percent Moisture	EPA 3550C	14.2		%	0.1	0.1	1	08/13/25 00:00	NA
Chloride	EPA 9056A	30.5		mg/kg	3.58	11.6	1	08/14/25 15:35	08/14/25 11:50
Metals									
Arsenic	EPA 6020B	9.72		mg/kg	0.0356	0.296	1	08/16/25 02:44	08/15/25 08:37
Barium	EPA 6020B	466		mg/kg	27.3	29.6	100	08/18/25 17:12	08/15/25 08:37
Cadmium	EPA 6020B	1.32		mg/kg	0.0178	0.118	1	08/16/25 02:44	08/15/25 08:37
Chromium	EPA 6020B	17.1	J	mg/kg	13.0	29.6	100	08/18/25 17:12	08/15/25 08:37
Copper	EPA 6020B	91.6		mg/kg	29.6	29.6	100	08/18/25 17:12	08/15/25 08:37
Lead	EPA 6020B	1040		mg/kg	14.2	29.6	100	08/18/25 17:12	08/15/25 08:37
Selenium	EPA 6020B	0.396		mg/kg	0.273	0.296	1	08/16/25 02:44	08/15/25 08:37
Silver	EPA 6020B	0.0774	J	mg/kg	0.0391	0.296	1	08/16/25 02:44	08/15/25 08:37
Zinc	EPA 6020B	1050		mg/kg	58.1	59.3	100	08/18/25 17:12	08/15/25 08:37
Mercury	EPA 7471B	0.0291		mg/kg	0.0141	0.0207	1	08/15/25 10:20	08/15/25 07:58
Organochlorine Pesticides by GC/ECD									
4,4'-DDD	EPA 8081B	<16.9	U	µg/kg	16.9	26.5	1	08/23/25 18:20	08/21/25 13:43
4,4'-DDE	EPA 8081B	19.3	J	µg/kg	17.4	26.5	1	08/23/25 18:20	08/21/25 13:43
4,4'-DDT	EPA 8081B	21.0	J	µg/kg	17.6	26.5	1	08/23/25 18:20	08/21/25 13:43
Aldrin	EPA 8081B	<17.2	U	µg/kg	17.2	26.5	1	08/23/25 18:20	08/21/25 13:43
alpha-BHC	EPA 8081B	<17.4	U	µg/kg	17.4	26.5	1	08/23/25 18:20	08/21/25 13:43
beta-BHC	EPA 8081B	<17.4	U	µg/kg	17.4	26.5	1	08/23/25 18:20	08/21/25 13:43
Chlordane, Technical	EPA 8081B	<26.2	U	µg/kg	26.2	66.2	1	08/23/25 18:20	08/21/25 13:43
cis-Chlordane	EPA 8081B	<17.7	U	µg/kg	17.7	26.5	1	08/23/25 18:20	08/21/25 13:43
delta-BHC	EPA 8081B	<17.3	U	µg/kg	17.3	26.5	1	08/23/25 18:20	08/21/25 13:43
Dieldrin	EPA 8081B	<18.5	U	µg/kg	18.5	26.5	1	08/23/25 18:20	08/21/25 13:43
Endosulfan I	EPA 8081B	<17.8	U	µg/kg	17.8	26.5	1	08/23/25 18:20	08/21/25 13:43
Endosulfan II	EPA 8081B	<17.5	U	µg/kg	17.5	26.5	1	08/23/25 18:20	08/21/25 13:43

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Endosulfan sulfate	EPA 8081B	<16.3	U	µg/kg	16.3	26.5	1	08/23/25 18:20	08/21/25 13:43
Endrin	EPA 8081B	<21.4	U	µg/kg	21.4	26.5	1	08/23/25 18:20	08/21/25 13:43
Endrin aldehyde	EPA 8081B	<16.8	U	µg/kg	16.8	26.5	1	08/23/25 18:20	08/21/25 13:43
Endrin ketone	EPA 8081B	<16.1	U	µg/kg	16.1	26.5	1	08/23/25 18:20	08/21/25 13:43
gamma-BHC (Lindane)	EPA 8081B	<17.4	U	µg/kg	17.4	26.5	1	08/23/25 18:20	08/21/25 13:43
Heptachlor	EPA 8081B	<17.1	U	µg/kg	17.1	26.5	1	08/23/25 18:20	08/21/25 13:43
Heptachlor epoxide	EPA 8081B	<17.5	U	µg/kg	17.5	26.5	1	08/23/25 18:20	08/21/25 13:43
Methoxychlor	EPA 8081B	<17.7	U	µg/kg	17.7	26.5	1	08/23/25 18:20	08/21/25 13:43
Toxaphene	EPA 8081B	<28.6	U	µg/kg	28.6	159	1	08/23/25 18:20	08/21/25 13:43
trans-Chlordane	EPA 8081B	<17.6	U	µg/kg	17.6	26.5	1	08/23/25 18:20	08/21/25 13:43
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8081B</i>	138		%REC		53-151	1	08/23/25 18:20	08/21/25 13:43
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8081B</i>	106		%REC		67-127	1	08/23/25 18:20	08/21/25 13:43

Polychlorinated Biphenyls (PCBs) by GC/ECD

Aroclor 1016	EPA 8082A	<60.5	U	µg/kg	60.5	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1221	EPA 8082A	<60.5	U	µg/kg	60.5	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1232	EPA 8082A	<60.5	U	µg/kg	60.5	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1242	EPA 8082A	<60.5	U	µg/kg	60.5	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1248	EPA 8082A	<60.5	U	µg/kg	60.5	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1254	EPA 8082A	<49.3	U	µg/kg	49.3	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1260	EPA 8082A	<49.3	U	µg/kg	49.3	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1262	EPA 8082A	<49.3	U	µg/kg	49.3	176	1	08/22/25 03:40	08/21/25 11:57
Aroclor 1268	EPA 8082A	<49.3	U	µg/kg	49.3	176	1	08/22/25 03:40	08/21/25 11:57
Total PCB	EPA 8082A	<49.3	U	µg/kg	49.3	176	1	08/22/25 03:40	08/21/25 11:57
<i>Surr: Decachlorobiphenyl</i>	<i>EPA 8082A</i>	86.5		%REC		54-146	1	08/22/25 03:40	08/21/25 11:57
<i>Surr: Tetrachloro-m-xylene</i>	<i>EPA 8082A</i>	57.0	S	%REC		58-140	1	08/22/25 03:40	08/21/25 11:57

Semivolatile Organic Compounds by GC-MS

1,1'-Biphenyl (BZ-0)	EPA 8270E	<68.1	U	µg/kg	68.1	416	5	08/28/25 01:49	08/25/25 16:39
1,2,4,5-Tetrachlorobenzene	EPA 8270E	<96.8	U	µg/kg	96.8	4190	5	08/28/25 01:49	08/25/25 16:39
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	<301	U	µg/kg	301	2100	5	08/28/25 01:49	08/25/25 16:39
1-Methylnaphthalene	EPA 8270E	134		µg/kg	60.4	83.9	5	08/28/25 01:49	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	<98.3	U	µg/kg	98.3	416	5	08/28/25 01:49	08/25/25 16:39
2,3,4,6-Tetrachlorophenol	EPA 8270E	<307	U	µg/kg	307	839	5	08/28/25 01:49	08/25/25 16:39
2,4,5-Trichlorophenol	EPA 8270E	<249	U	µg/kg	249	416	5	08/28/25 01:49	08/25/25 16:39
2,4,6-Trichlorophenol	EPA 8270E	<112	U	µg/kg	112	416	5	08/28/25 01:49	08/25/25 16:39
2,4-Dichlorophenol	EPA 8270E	<226	U	µg/kg	226	416	5	08/28/25 01:49	08/25/25 16:39
2,4-Dimethylphenol	EPA 8270E	<216	BU	µg/kg	216	416	5	08/28/25 01:49	08/25/25 16:39
2,4-Dinitrophenol	EPA 8270E	<3070	U	µg/kg	3070	4190	5	08/28/25 01:49	08/25/25 16:39
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<273	U	µg/kg	273	416	5	08/28/25 01:49	08/25/25 16:39
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	<107	U	µg/kg	107	416	5	08/28/25 01:49	08/25/25 16:39
2-Chloronaphthalene	EPA 8270E	<58.7	U	µg/kg	58.7	83.9	5	08/28/25 01:49	08/25/25 16:39
2-Chlorophenol	EPA 8270E	<275	U	µg/kg	275	416	5	08/28/25 01:49	08/25/25 16:39
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	<350	U	µg/kg	350	416	5	08/28/25 01:49	08/25/25 16:39
2-Methylnaphthalene	EPA 8270E	201		µg/kg	42.7	83.9	5	08/28/25 01:49	08/25/25 16:39
2-Methylphenol (o-Cresol)	EPA 8270E	<113	U	µg/kg	113	416	5	08/28/25 01:49	08/25/25 16:39
2-Nitroaniline	EPA 8270E	<233	U	µg/kg	233	416	5	08/28/25 01:49	08/25/25 16:39
2-Nitrophenol	EPA 8270E	<120	U	µg/kg	120	416	5	08/28/25 01:49	08/25/25 16:39
3&4-Methylphenol	EPA 8270E	<229	U	µg/kg	229	416	5	08/28/25 01:49	08/25/25 16:39
3,3'-Dichlorobenzidine	EPA 8270E	<196	U	µg/kg	196	2100	5	08/28/25 01:49	08/25/25 16:39
3-Nitroaniline	EPA 8270E	<244	U	µg/kg	244	416	5	08/28/25 01:49	08/25/25 16:39
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	<230	U	µg/kg	230	416	5	08/28/25 01:49	08/25/25 16:39
4-Chloro-3-methylphenol	EPA 8270E	<120	U	µg/kg	120	416	5	08/28/25 01:49	08/25/25 16:39
4-Chloroaniline	EPA 8270E	<213	U	µg/kg	213	839	5	08/28/25 01:49	08/25/25 16:39
4-Chlorophenyl phenylether	EPA 8270E	<116	U	µg/kg	116	416	5	08/28/25 01:49	08/25/25 16:39
4-Nitroaniline	EPA 8270E	<651	U	µg/kg	651	2100	5	08/28/25 01:49	08/25/25 16:39
4-Nitrophenol	EPA 8270E	<983	U	µg/kg	983	4190	5	08/28/25 01:49	08/25/25 16:39
Acenaphthene	EPA 8270E	<60.7	U	µg/kg	60.7	83.9	5	08/28/25 01:49	08/25/25 16:39
Acenaphthylene	EPA 8270E	<72.8	U	µg/kg	72.8	83.9	5	08/28/25 01:49	08/25/25 16:39
Acetophenone	EPA 8270E	<65.7	U	µg/kg	65.7	416	5	08/28/25 01:49	08/25/25 16:39
Anthracene	EPA 8270E	67.2	J	µg/kg	59.2	83.9	5	08/28/25 01:49	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Atrazine	EPA 8270E	<246	U	µg/kg	246	416	5	08/28/25 01:49	08/25/25 16:39
Benzaldehyde	EPA 8270E	<645	U	µg/kg	645	839	5	08/28/25 01:49	08/25/25 16:39
Benzo(a)anthracene	EPA 8270E	269		µg/kg	72.5	83.9	5	08/28/25 01:49	08/25/25 16:39
Benzo(a)pyrene	EPA 8270E	294		µg/kg	51.5	83.9	5	08/28/25 01:49	08/25/25 16:39
Benzo(b)fluoranthene	EPA 8270E	487		µg/kg	62.6	83.9	5	08/28/25 01:49	08/25/25 16:39
Benzo(g,h,i)perylene	EPA 8270E	243		µg/kg	64.3	83.9	5	08/28/25 01:49	08/25/25 16:39
Benzo(k)fluoranthene	EPA 8270E	168		µg/kg	63.6	83.9	5	08/28/25 01:49	08/25/25 16:39
bis(2-Chloroethoxy) methane	EPA 8270E	<266	U	µg/kg	266	416	5	08/28/25 01:49	08/25/25 16:39
bis(2-Chloroethyl) ether	EPA 8270E	<119	U	µg/kg	119	416	5	08/28/25 01:49	08/25/25 16:39
Butyl benzyl phthalate	EPA 8270E	<525	U	µg/kg	525	839	5	08/28/25 01:49	08/25/25 16:39
Caprolactam	EPA 8270E	<379	U	µg/kg	379	416	5	08/28/25 01:49	08/25/25 16:39
Carbazole	EPA 8270E	<124	U	µg/kg	124	416	5	08/28/25 01:49	08/25/25 16:39
Chrysene	EPA 8270E	218		µg/kg	67.9	83.9	5	08/28/25 01:49	08/25/25 16:39
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	672		µg/kg	347	416	5	08/28/25 01:49	08/25/25 16:39
Dibenz(a,h) anthracene	EPA 8270E	<45.3	U	µg/kg	45.3	416	5	08/28/25 01:49	08/25/25 16:39
Dibenzofuran	EPA 8270E	<61.7	U	µg/kg	61.7	416	5	08/28/25 01:49	08/25/25 16:39
Diethyl phthalate	EPA 8270E	<143	U	µg/kg	143	416	5	08/28/25 01:49	08/25/25 16:39
Dimethyl phthalate	EPA 8270E	<81.8	U	µg/kg	81.8	416	5	08/28/25 01:49	08/25/25 16:39
Di-n-butyl phthalate	EPA 8270E	<257	U	µg/kg	257	416	5	08/28/25 01:49	08/25/25 16:39
Di-n-octyl phthalate	EPA 8270E	<363	U	µg/kg	363	416	5	08/28/25 01:49	08/25/25 16:39
Fluoranthene	EPA 8270E	554		µg/kg	40.3	83.9	5	08/28/25 01:49	08/25/25 16:39
Fluorene	EPA 8270E	<60.9	U	µg/kg	60.9	83.9	5	08/28/25 01:49	08/25/25 16:39
Hexachlorobenzene	EPA 8270E	<122	U	µg/kg	122	416	5	08/28/25 01:49	08/25/25 16:39
Hexachlorobutadiene	EPA 8270E	<98.9	U	µg/kg	98.9	416	5	08/28/25 01:49	08/25/25 16:39
Hexachlorocyclopentadiene	EPA 8270E	<398	U	µg/kg	398	416	5	08/28/25 01:49	08/25/25 16:39
Hexachloroethane	EPA 8270E	<174	U	µg/kg	174	416	5	08/28/25 01:49	08/25/25 16:39
Indeno(1,2,3-cd) pyrene	EPA 8270E	235		µg/kg	58.4	83.9	5	08/28/25 01:49	08/25/25 16:39
Isophorone	EPA 8270E	<82.0	U	µg/kg	82.0	2100	5	08/28/25 01:49	08/25/25 16:39
Methylphenol, Total	EPA 8270E	<113	U	µg/kg	113	416	5	08/28/25 01:49	08/25/25 16:39
Naphthalene	EPA 8270E	143		µg/kg	53.6	83.9	5	08/28/25 01:49	08/25/25 16:39
Nitrobenzene	EPA 8270E	<141	U	µg/kg	141	2100	5	08/28/25 01:49	08/25/25 16:39

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
n-Nitrosodi-n-propylamine	EPA 8270E	<69.2	U	µg/kg	69.2	416	5	08/28/25 01:49	08/25/25 16:39
N-Nitrosodiphenylamine	EPA 8270E	<243	U	µg/kg	243	416	5	08/28/25 01:49	08/25/25 16:39
Pentachlorophenol	EPA 8270E	<333	U	µg/kg	333	416	5	08/28/25 01:49	08/25/25 16:39
Phenanthrene	EPA 8270E	310		µg/kg	39.0	83.9	5	08/28/25 01:49	08/25/25 16:39
Phenol	EPA 8270E	<211	U	µg/kg	211	416	5	08/28/25 01:49	08/25/25 16:39
Pyrene	EPA 8270E	428		µg/kg	41.9	83.9	5	08/28/25 01:49	08/25/25 16:39
Pyridine	EPA 8270E	<826	U	µg/kg	826	2100	5	08/28/25 01:49	08/25/25 16:39
<i>Surr: 2,4,6-Tribromophenol</i>	<i>EPA 8270E</i>	100	S	%REC		48-94	5	08/28/25 01:49	08/25/25 16:39
<i>Surr: 2-Fluorobiphenyl</i>	<i>EPA 8270E</i>	83.6		%REC		50-103	5	08/28/25 01:49	08/25/25 16:39
<i>Surr: 2-Fluorophenol</i>	<i>EPA 8270E</i>	75.3		%REC		43-105	5	08/28/25 01:49	08/25/25 16:39
<i>Surr: 4-Terphenyl-d14</i>	<i>EPA 8270E</i>	87.1		%REC		55-111	5	08/28/25 01:49	08/25/25 16:39
<i>Surr: Nitrobenzene-d5</i>	<i>EPA 8270E</i>	87.4		%REC		47-100	5	08/28/25 01:49	08/25/25 16:39
<i>Surr: Phenol-d6</i>	<i>EPA 8270E</i>	74.9		%REC		49-110	5	08/28/25 01:49	08/25/25 16:39

Volatile Organic Compounds by GC-MS

1,1,1-Trichloroethane	EPA 8260D	<16.6	U	µg/kg	16.6	36.7	1	08/18/25 12:37	08/18/25 12:29
1,1,2,2-Tetrachloroethane	EPA 8260D	<16.2	U	µg/kg	16.2	36.7	1	08/18/25 12:37	08/18/25 12:29
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	<23.2	U	µg/kg	23.2	36.7	1	08/18/25 12:37	08/18/25 12:29
1,1,2-Trichloroethane	EPA 8260D	<15.6	U	µg/kg	15.6	36.7	1	08/18/25 12:37	08/18/25 12:29
1,1-Dichloroethane	EPA 8260D	<13.4	U	µg/kg	13.4	36.7	1	08/18/25 12:37	08/18/25 12:29
1,1-Dichloroethylene	EPA 8260D	<11.9	U	µg/kg	11.9	36.7	1	08/18/25 12:37	08/18/25 12:29
1,2,3-Trichlorobenzene	EPA 8260D	<44.0	U	µg/kg	44.0	122	1	08/18/25 12:37	08/18/25 12:29
1,2,3-Trichloropropane	EPA 8260D	<15.4	U	µg/kg	15.4	36.7	1	08/18/25 12:37	08/18/25 12:29
1,2,4-Trichlorobenzene	EPA 8260D	<41.6	U	µg/kg	41.6	122	1	08/18/25 12:37	08/18/25 12:29
1,2,4-Trimethylbenzene	EPA 8260D	<26.9	U	µg/kg	26.9	36.7	1	08/18/25 12:37	08/18/25 12:29
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	<33.8	U	µg/kg	33.8	122	1	08/18/25 12:37	08/18/25 12:29
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	<21.6	U	µg/kg	21.6	36.7	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	<13.9	U	µg/kg	13.9	36.7	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<21.6	U	µg/kg	21.6	122	1	08/18/25 12:37	08/18/25 12:29
1,2-Dichloropropane	EPA 8260D	<27.0	U	µg/kg	27.0	36.7	1	08/18/25 12:37	08/18/25 12:29
1,3,5-Trimethylbenzene	EPA 8260D	<25.9	U	µg/kg	25.9	122	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	<25.3	U	µg/kg	25.3	36.7	1	08/18/25 12:37	08/18/25 12:29
1,3-Dichloropropene	EPA 8260D	<20.5	U	µg/kg	20.5	73.4	1	08/18/25 12:37	08/18/25 12:29
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	<29.8	U	µg/kg	29.8	36.7	1	08/18/25 12:37	08/18/25 12:29
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<87.3	U	µg/kg	87.3	244	1	08/18/25 12:37	08/18/25 12:29
2-Hexanone	EPA 8260D	<18.2	U	µg/kg	18.2	36.7	1	08/18/25 12:37	08/18/25 12:29
4-Methyl-2-pentanone (MIBK)	EPA 8260D	<34.2	U	µg/kg	34.2	36.7	1	08/18/25 12:37	08/18/25 12:29
Acetone	EPA 8260D	<109	U	µg/kg	109	122	1	08/18/25 12:37	08/18/25 12:29
Benzene	EPA 8260D	<17.8	U	µg/kg	17.8	36.7	1	08/18/25 12:37	08/18/25 12:29
Bromochloromethane	EPA 8260D	<18.6	U	µg/kg	18.6	36.7	1	08/18/25 12:37	08/18/25 12:29
Bromodichloromethane	EPA 8260D	<20.5	U	µg/kg	20.5	36.7	1	08/18/25 12:37	08/18/25 12:29
Bromoform	EPA 8260D	<15.4	U	µg/kg	15.4	36.7	1	08/18/25 12:37	08/18/25 12:29
Carbon disulfide	EPA 8260D	<19.0	U	µg/kg	19.0	36.7	1	08/18/25 12:37	08/18/25 12:29
Carbon tetrachloride	EPA 8260D	<14.4	U	µg/kg	14.4	36.7	1	08/18/25 12:37	08/18/25 12:29
Chlorobenzene	EPA 8260D	<12.2	U	µg/kg	12.2	36.7	1	08/18/25 12:37	08/18/25 12:29
Chlorodibromomethane	EPA 8260D	<20.6	U	µg/kg	20.6	36.7	1	08/18/25 12:37	08/18/25 12:29
Chloroethane (Ethyl chloride)	EPA 8260D	<103	U	µg/kg	103	122	1	08/18/25 12:37	08/18/25 12:29
Chloroform	EPA 8260D	<13.4	U	µg/kg	13.4	36.7	1	08/18/25 12:37	08/18/25 12:29
cis & trans-1,2-Dichloroethene	EPA 8260D	<23.6	U	µg/kg	23.6	73.4	1	08/18/25 12:37	08/18/25 12:29
cis-1,2-Dichloroethylene	EPA 8260D	<23.6	U	µg/kg	23.6	36.7	1	08/18/25 12:37	08/18/25 12:29
cis-1,3-Dichloropropene	EPA 8260D	<27.6	U	µg/kg	27.6	36.7	1	08/18/25 12:37	08/18/25 12:29
Cyclohexane	EPA 8260D	<28.1	U	µg/kg	28.1	122	1	08/18/25 12:37	08/18/25 12:29
Dichlorodifluoromethane (Freon-12)	EPA 8260D	<44.4	U	µg/kg	44.4	122	1	08/18/25 12:37	08/18/25 12:29
Ethylbenzene	EPA 8260D	40.3		µg/kg	26.0	36.7	1	08/18/25 12:37	08/18/25 12:29
Isopropylbenzene	EPA 8260D	<23.2	U	µg/kg	23.2	36.7	1	08/18/25 12:37	08/18/25 12:29
m+p-Xylene	EPA 8260D	<48.9	U	µg/kg	48.9	73.4	1	08/18/25 12:37	08/18/25 12:29
Methyl acetate	EPA 8260D	122	J	µg/kg	43.9	306	1	08/18/25 12:37	08/18/25 12:29
Methyl bromide (Bromomethane)	EPA 8260D	<70.2	U	µg/kg	70.2	122	1	08/18/25 12:37	08/18/25 12:29
Methyl chloride (Chloromethane)	EPA 8260D	<100	U	µg/kg	100	122	1	08/18/25 12:37	08/18/25 12:29
Methyl tert-butyl ether (MTBE)	EPA 8260D	<26.8	U	µg/kg	26.8	36.7	1	08/18/25 12:37	08/18/25 12:29

Analytical Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID

Work Order: HN2511215
Date Collected: 08/11/25 11:45
Date Received: 08/12/25 08:00

CLIENT ID: 8014 SB03 (5-6)	Lab ID: HN2511215-003
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Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
Methylcyclohexane	EPA 8260D	28.7	J	µg/kg	14.0	36.7	1	08/18/25 12:37	08/18/25 12:29
Methylene chloride (Dichloromethane)	EPA 8260D	<97.3	U	µg/kg	97.3	306	1	08/18/25 12:37	08/18/25 12:29
o-Xylene	EPA 8260D	<14.2	U	µg/kg	14.2	36.7	1	08/18/25 12:37	08/18/25 12:29
Styrene	EPA 8260D	42.8		µg/kg	14.5	36.7	1	08/18/25 12:37	08/18/25 12:29
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<22.1	U	µg/kg	22.1	36.7	1	08/18/25 12:37	08/18/25 12:29
Toluene	EPA 8260D	<30.2	U	µg/kg	30.2	36.7	1	08/18/25 12:37	08/18/25 12:29
Total Xylene	EPA 8260D	<14.2	U	µg/kg	14.2	110	1	08/18/25 12:37	08/18/25 12:29
trans-1,2-Dichloroethylene	EPA 8260D	<30.3	U	µg/kg	30.3	36.7	1	08/18/25 12:37	08/18/25 12:29
trans-1,3-Dichloropropylene	EPA 8260D	<20.5	U	µg/kg	20.5	36.7	1	08/18/25 12:37	08/18/25 12:29
Trichloroethene (Trichloroethylene)	EPA 8260D	<16.4	U	µg/kg	16.4	36.7	1	08/18/25 12:37	08/18/25 12:29
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	<18.8	U	µg/kg	18.8	36.7	1	08/18/25 12:37	08/18/25 12:29
Vinyl chloride (Chloroethene)	EPA 8260D	<24.4	U	µg/kg	24.4	36.7	1	08/18/25 12:37	08/18/25 12:29
Surr: 1,2-Dichloroethane-d4	EPA 8260D	95.6		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
Surr: 4-Bromofluorobenzene	EPA 8260D	99.6		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
Surr: Dibromofluoromethane	EPA 8260D	79.5	S	%REC		80-120	1	08/18/25 12:37	08/18/25 12:29
Surr: Toluene-d8	EPA 8260D	98.6		%REC		80-120	1	08/18/25 12:37	08/18/25 12:29



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2177088

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3436396

Chlorinated Herbicides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2177088-001
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 08/26/25 18:53
Prep Date: 08/25/25 16:58

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	<0.920	µg/kg	0.920	5.00							U
2,4,5-TP (Silvex)	<1.64	µg/kg	1.64	5.00							U
2,4-D	<2.67	µg/kg	2.67	10.0							U
Surr: DCAA	30.0	µg/kg			50		60.0	10-116			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2177088-002
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 08/26/25 19:06
Prep Date: 08/25/25 16:58

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	31.0	µg/kg	0.920	5.00	50		62.0	10-119			
2,4,5-TP (Silvex)	31.0	µg/kg	1.64	5.00	50		62.0	10-101			
2,4-D	33.0	µg/kg	2.67	10.0	50		66.0	10-128			
Surr: DCAA	36.0	µg/kg			50		72.0	10-116			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2158252

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3397197

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2158252-001
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 08/13/25 00:00
Prep Date: NA

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2158252-002
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Method: EPA 3550C **Dilution:** 1 **Analysis Date:** 08/13/25 00:00
Prep Date: NA

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

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2158565

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3400098

General Chemistry Parameters

MB	CLIENT ID: Method Blank	Lab ID: QC-2158565-001
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 08/14/25 14:17
Prep Date: 08/14/25 11:50

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2158565-002
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Method: EPA 9056A **Dilution:** 1 **Analysis Date:** 08/14/25 14:27
Prep Date: 08/14/25 11:50

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	95.3	mg/kg	3.10	10.0	100		95.3	87-110			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2159501

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3402960

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2159501-001
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 08/15/25 09:34
Prep Date: 08/15/25 07:59

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2159501-002
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Method: EPA 7471B **Dilution:** 1 **Analysis Date:** 08/15/25 09:36
Prep Date: 08/15/25 07:59

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.170	mg/kg	0.0136	0.0200	0.1665		102	80-120			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2162042

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3405977

Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2162042-001
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Method: EPA 6020B

Dilution: 1

Analysis Date: 08/16/25 02:22

Prep Date: 08/15/25 08:38

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

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2162042-002
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Method: EPA 6020B

Dilution: 1

Analysis Date: 08/16/25 02:24

Prep Date: 08/15/25 08:38

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	4.66	mg/kg	0.0300	0.250	5		93.3	80-120			
Barium	4.70	mg/kg	0.230	0.250	5		94.1	80-120			
Cadmium	4.75	mg/kg	0.0150	0.100	5		95.1	80-120			
Chromium	4.67	mg/kg	0.110	0.250	5		93.4	80-120			
Copper	4.73	mg/kg	0.250	0.250	5		94.6	80-120			
Lead	4.72	mg/kg	0.120	0.250	5		94.4	80-120			
Selenium	4.58	mg/kg	0.230	0.250	5		91.7	80-120			
Silver	4.63	mg/kg	0.0330	0.250	5		92.5	80-120			
Zinc	4.69	mg/kg	0.490	0.500	5		93.8	80-120			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2173198

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3433721

Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2173198-001
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 08/22/25 22:19**Prep Date:** 08/21/25 13:44

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	<6.39	µg/kg	6.39	10.0							U
4,4'-DDE	<6.59	µg/kg	6.59	10.0							U
4,4'-DDT	<6.65	µg/kg	6.65	10.0							U
Aldrin	<6.50	µg/kg	6.50	10.0							U
alpha-BHC	<6.58	µg/kg	6.58	10.0							U
beta-BHC	<6.57	µg/kg	6.57	10.0							U
Chlordane, Technical	<9.92	µg/kg	9.92	25.0							U
cis-Chlordane	<6.68	µg/kg	6.68	10.0							U
delta-BHC	<6.55	µg/kg	6.55	10.0							U
Dieldrin	<6.99	µg/kg	6.99	10.0							U
Endosulfan I	<6.72	µg/kg	6.72	10.0							U
Endosulfan II	<6.62	µg/kg	6.62	10.0							U
Endosulfan sulfate	<6.15	µg/kg	6.15	10.0							U
Endrin	<8.09	µg/kg	8.09	10.0							U
Endrin aldehyde	<6.34	µg/kg	6.34	10.0							U
Endrin ketone	<6.08	µg/kg	6.08	10.0							U
gamma-BHC (Lindane)	<6.56	µg/kg	6.56	10.0							U
Heptachlor	<6.45	µg/kg	6.45	10.0							U
Heptachlor epoxide	<6.62	µg/kg	6.62	10.0							U
Methoxychlor	<6.69	µg/kg	6.69	10.0							U
Toxaphene	<10.8	µg/kg	10.8	60.0							U
trans-Chlordane	<6.64	µg/kg	6.64	10.0							U
Surr: Decachlorobiphenyl	42.0	µg/kg			33.33		126	53-151			
Surr: Tetrachloro-m-xylene	34.6	µg/kg			33.33		104	67-127			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2173198-002
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 08/22/25 22:49**Prep Date:** 08/21/25 13:44

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	38.0	µg/kg	6.39	10.0	33.33		114	55-141			
4,4'-DDE	36.9	µg/kg	6.59	10.0	33.33		111	55-143			
4,4'-DDT	40.0	µg/kg	6.65	10.0	33.33		120	50-144			
Aldrin	37.4	µg/kg	6.50	10.0	33.33		112	57-141			
alpha-BHC	37.6	µg/kg	6.58	10.0	33.33		113	58-144			
beta-BHC	36.4	µg/kg	6.57	10.0	33.33		109	55-147			
cis-Chlordane	37.2	µg/kg	6.68	10.0	33.33		112	58-142			
delta-BHC	37.5	µg/kg	6.55	10.0	33.33		112	59-142			
Dieldrin	37.8	µg/kg	6.99	10.0	33.33		113	59-142			
Endosulfan I	37.8	µg/kg	6.72	10.0	33.33		113	57-145			
Endosulfan II	38.5	µg/kg	6.62	10.0	33.33		115	58-138			
Endosulfan sulfate	37.4	µg/kg	6.15	10.0	33.33		112	54-136			
Endrin	38.8	µg/kg	8.09	10.0	33.33		116	45-150			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2173198

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3433721

LCS		CLIENT ID: Laboratory Control Sample				Lab ID: QC-2173198-002					
Method: EPA 8081B		Dilution: 1				Analysis Date: 08/22/25 22:49					
						Prep Date: 08/21/25 13:44					
Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	43.8	µg/kg	6.34	10.0	33.33		132	41-147			
Endrin ketone	38.2	µg/kg	6.08	10.0	33.33		114	54-146			
gamma-BHC (Lindane)	36.7	µg/kg	6.56	10.0	33.33		110	58-145			
Heptachlor	38.5	µg/kg	6.45	10.0	33.33		116	51-145			
Heptachlor epoxide	37.6	µg/kg	6.62	10.0	33.33		113	59-143			
Methoxychlor	37.2	µg/kg	6.69	10.0	33.33		112	43-144			
trans-Chlordane	37.4	µg/kg	6.64	10.0	33.33		112	56-145			
Surr: Decachlorobiphenyl	41.8	µg/kg			33.33		126	51-151			
Surr: Tetrachloro-m-xylene	35.0	µg/kg			33.33		105	67-127			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2173203

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3425747

Polychlorinated Biphenyls (PCBs) by GC/ECD

MB CLIENT ID: Method Blank Lab ID: QC-2173203-001

Method: EPA 8082A **Dilution:** 1 **Analysis Date:** 08/21/25 23:56

Prep Date: 08/21/25 11:58

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	<22.9	µg/kg	22.9	66.7							U
Aroclor 1221	<22.9	µg/kg	22.9	66.7							U
Aroclor 1232	<22.9	µg/kg	22.9	66.7							U
Aroclor 1242	<22.9	µg/kg	22.9	66.7							U
Aroclor 1248	<22.9	µg/kg	22.9	66.7							U
Aroclor 1254	<18.6	µg/kg	18.6	66.7							U
Aroclor 1260	<18.6	µg/kg	18.6	66.7							U
Aroclor 1262	<18.6	µg/kg	18.6	66.7							U
Aroclor 1268	<18.6	µg/kg	18.6	66.7							U
Total PCB	<18.6	µg/kg	18.6	66.7							U
Surr: Decachlorobiphenyl	40.3	µg/kg			33.3		121	54-146			
Surr: Tetrachloro-m-xylene	35.0	µg/kg			33.3		105	58-140			

LCS CLIENT ID: Laboratory Control Sample Lab ID: QC-2173203-002

Method: EPA 8082A **Dilution:** 1 **Analysis Date:** 08/22/25 00:07

Prep Date: 08/21/25 11:58

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	717	µg/kg	22.9	66.7	833		86.0	71-135			
Aroclor 1260	682	µg/kg	18.6	66.7	833		81.9	67-135			
Surr: Decachlorobiphenyl	31.5	µg/kg			33.3		94.5	54-146			
Surr: Tetrachloro-m-xylene	27.5	µg/kg			33.3		82.5	58-140			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2180635

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3442024

Semivolatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2180635-001
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 08/27/25 20:14**Prep Date:** 08/25/25 16:40

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	<5.41	µg/kg	5.41	33.0							U
1,2,4,5-Tetrachlorobenzene	<7.69	µg/kg	7.69	333							U
1,4-Dioxane (1,4- Diethyleneoxide)	<23.9	µg/kg	23.9	167							U
1-Methylnaphthalene	<4.80	µg/kg	4.80	6.67							U
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	<7.81	µg/kg	7.81	33.0							U
2,3,4,6-Tetrachlorophenol	<24.4	µg/kg	24.4	67.0							U
2,4,5-Trichlorophenol	<19.8	µg/kg	19.8	33.0							U
2,4,6-Trichlorophenol	<8.87	µg/kg	8.87	33.0							U
2,4-Dichlorophenol	<17.9	µg/kg	17.9	33.0							U
2,4-Dimethylphenol	46.7	µg/kg	17.1	33.0							B
2,4-Dinitrophenol	<244	µg/kg	244	333							U
2,4-Dinitrotoluene (2,4-DNT)	<21.6	µg/kg	21.6	33.0							U
2,6-Dinitrotoluene (2,6-DNT)	<8.51	µg/kg	8.51	33.0							U
2-Chloronaphthalene	<4.66	µg/kg	4.66	6.67							U
2-Chlorophenol	<21.8	µg/kg	21.8	33.0							U
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	<27.8	µg/kg	27.8	33.0							U
2-Methylnaphthalene	<3.39	µg/kg	3.39	6.67							U
2-Methylphenol (o-Cresol)	<9.01	µg/kg	9.01	33.0							U
2-Nitroaniline	<18.5	µg/kg	18.5	33.0							U
2-Nitrophenol	<9.50	µg/kg	9.50	33.0							U
3&4-Methylphenol	<18.2	µg/kg	18.2	33.0							U
3,3'-Dichlorobenzidine	<15.6	µg/kg	15.6	167							U
3-Nitroaniline	<19.4	µg/kg	19.4	33.0							U
4-Bromophenyl phenyl ether (BDE-3)	<18.3	µg/kg	18.3	33.0							U
4-Chloro-3-methylphenol	<9.50	µg/kg	9.50	33.0							U
4-Chloroaniline	<16.9	µg/kg	16.9	67.0							U
4-Chlorophenyl phenylether	<9.21	µg/kg	9.21	33.0							U
4-Nitroaniline	<51.7	µg/kg	51.7	167							U
4-Nitrophenol	<78.1	µg/kg	78.1	333							U
Acenaphthene	<4.82	µg/kg	4.82	6.67							U
Acenaphthylene	<5.78	µg/kg	5.78	6.67							U
Acetophenone	<5.22	µg/kg	5.22	33.0							U
Anthracene	<4.70	µg/kg	4.70	6.67							U
Atrazine	<19.5	µg/kg	19.5	33.0							U
Benzaldehyde	<51.2	µg/kg	51.2	67.0							U
Benzo(a)anthracene	<5.76	µg/kg	5.76	6.67							U
Benzo(a)pyrene	<4.09	µg/kg	4.09	6.67							U
Benzo(b)fluoranthene	<4.97	µg/kg	4.97	6.67							U
Benzo(g,h,i)perylene	<5.11	µg/kg	5.11	6.67							U
Benzo(k)fluoranthene	<5.05	µg/kg	5.05	6.67							U
bis(2-Chloroethoxy)methane	<21.1	µg/kg	21.1	33.0							U
bis(2-Chloroethyl) ether	<9.44	µg/kg	9.44	33.0							U

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2180635

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3442024

MB	CLIENT ID: Method Blank	Lab ID: QC-2180635-001
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 08/27/25 20:14**Prep Date:** 08/25/25 16:40

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Butyl benzyl phthalate	<41.7	µg/kg	41.7	67.0							U
Caprolactam	<30.1	µg/kg	30.1	33.0							U
Carbazole	<9.82	µg/kg	9.82	33.0							U
Chrysene	<5.39	µg/kg	5.39	6.67							U
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	<27.6	µg/kg	27.6	33.0							U
Dibenz(a,h) anthracene	<3.60	µg/kg	3.60	33.0							U
Dibenzofuran	<4.90	µg/kg	4.90	33.0							U
Diethyl phthalate	<11.3	µg/kg	11.3	33.0							U
Dimethyl phthalate	<6.50	µg/kg	6.50	33.0							U
Di-n-butyl phthalate	<20.4	µg/kg	20.4	33.0							U
Di-n-octyl phthalate	<28.8	µg/kg	28.8	33.0							U
Fluoranthene	<3.20	µg/kg	3.20	6.67							U
Fluorene	<4.84	µg/kg	4.84	6.67							U
Hexachlorobenzene	<9.70	µg/kg	9.70	33.0							U
Hexachlorobutadiene	<7.85	µg/kg	7.85	33.0							U
Hexachlorocyclopentadiene	<31.6	µg/kg	31.6	33.0							U
Hexachloroethane	<13.8	µg/kg	13.8	33.0							U
Indeno(1,2,3-cd) pyrene	<4.64	µg/kg	4.64	6.67							U
Isophorone	<6.51	µg/kg	6.51	167							U
Methylphenol, Total	<9.01	µg/kg	9.01	67.0							U
Naphthalene	<4.26	µg/kg	4.26	6.67							U
Nitrobenzene	<11.2	µg/kg	11.2	167							U
n-Nitrosodi-n-propylamine	<5.50	µg/kg	5.50	33.0							U
N-Nitrosodiphenylamine	<19.3	µg/kg	19.3	33.0							U
Pentachlorophenol	<26.5	µg/kg	26.5	33.0							U
Phenanthrene	<3.10	µg/kg	3.10	6.67							U
Phenol	<16.7	µg/kg	16.7	33.0							U
Pyrene	<3.33	µg/kg	3.33	6.67							U
Pyridine	<65.6	µg/kg	65.6	167							U
Surr: 2,4,6-Tribromophenol	3060	µg/kg			3333		91.9	48-94			
Surr: 2-Fluorobiphenyl	2560	µg/kg			3333		77.0	50-103			
Surr: 2-Fluorophenol	2610	µg/kg			3333		78.3	43-105			
Surr: 4-Terphenyl-d14	3100	µg/kg			3333		93.0	55-111			
Surr: Nitrobenzene-d5	2580	µg/kg			3333		77.5	47-100			
Surr: Phenol-d6	2670	µg/kg			3333		80.1	49-110			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2180635-002
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Method: EPA 8270E**Dilution:** 1**Analysis Date:** 08/27/25 21:58**Prep Date:** 08/25/25 16:40

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1040	µg/kg	5.41	33.0	1333		78.2	57-101			
1,2,4,5-Tetrachlorobenzene	1120	µg/kg	7.69	33.0	1333		83.8	54-98			
1-Methylnaphthalene	1070	µg/kg	4.80	6.67	1333		80.0	56-100			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2180635

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3442024

LCS		CLIENT ID: Laboratory Control Sample				Lab ID: QC-2180635-002					
Method: EPA 8270E		Dilution: 1				Analysis Date: 08/27/25 21:58					
						Prep Date: 08/25/25 16:40					
Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	927	µg/kg	7.81	33.0	1333		69.6	50-101			
2,3,4,6-Tetrachlorophenol	1080	µg/kg	24.4	67.0	1333		81.4	48-103			
2,4,5-Trichlorophenol	1050	µg/kg	19.8	33.0	1333		79.0	54-98			
2,4,6-Trichlorophenol	1060	µg/kg	8.87	33.0	1333		79.9	56-97			
2,4-Dichlorophenol	1050	µg/kg	17.9	33.0	1333		79.0	54-99			
2,4-Dimethylphenol	1040	µg/kg	17.1	33.0	1333		77.7	47-102			
2,4-Dinitrophenol	851	µg/kg	244	333	1333		63.9	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1190	µg/kg	21.6	33.0	1333		89.5	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1210	µg/kg	8.51	33.0	1333		90.6	62-103			
2-Chloronaphthalene	1060	µg/kg	4.66	6.67	1333		79.5	57-101			
2-Chlorophenol	1050	µg/kg	21.8	33.0	1333		79.0	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	1250	µg/kg	27.8	33.0	1333		94.0	42-104			
2-Methylnaphthalene	1030	µg/kg	3.39	6.67	1333		77.6	55-102			
2-Methylphenol (o-Cresol)	1020	µg/kg	9.01	33.0	1333		76.5	54-103			
2-Nitroaniline	1260	µg/kg	18.5	33.0	1333		94.8	57-103			
2-Nitrophenol	1360	µg/kg	9.50	33.0	1333		102	52-102			
3&4-Methylphenol	1050	µg/kg	18.2	33.0	1333		78.8	56-103			
3,3'-Dichlorobenzidine	868	µg/kg	15.6	167	1333		65.1	41-91			
3-Nitroaniline	651	µg/kg	19.4	33.0	1333		48.9	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1170	µg/kg	18.3	33.0	1333		87.9	63-104			
4-Chloro-3-methylphenol	1080	µg/kg	9.50	33.0	1333		81.0	57-103			
4-Chloroaniline	979	µg/kg	16.9	67.0	1333		73.4	32-99			
4-Chlorophenyl phenylether	1110	µg/kg	9.21	33.0	1333		83.2	62-100			
4-Nitroaniline	702	µg/kg	51.7	167	1333		52.7	19-124			
4-Nitrophenol	998	µg/kg	78.1	333	1333		74.9	44-106			
Acenaphthene	1050	µg/kg	4.82	6.67	1333		79.1	60-101			
Acenaphthylene	1050	µg/kg	5.78	6.67	1333		79.0	59-101			
Acetophenone	1030	µg/kg	5.22	33.0	1333		77.1	54-102			
Anthracene	1080	µg/kg	4.70	6.67	1333		80.7	63-96			
Atrazine	1190	µg/kg	19.5	33.0	1333		89.4	60-110			
Benzaldehyde	257	µg/kg	51.2	67.0	1333		19.3	10-143			
Benzo(a)anthracene	1040	µg/kg	5.76	6.67	1333		77.9	66-102			
Benzo(a)pyrene	1060	µg/kg	4.09	6.67	1333		79.7	66-105			
Benzo(b)fluoranthene	1060	µg/kg	4.97	6.67	1333		79.3	67-105			
Benzo(g,h,i)perylene	1210	µg/kg	5.11	6.67	1333		90.7	59-110			
Benzo(k)fluoranthene	1060	µg/kg	5.05	6.67	1333		79.8	68-106			
bis(2-Chloroethoxy)methane	927	µg/kg	21.1	33.0	1333		69.6	54-102			
bis(2-Chloroethyl) ether	1100	µg/kg	9.44	33.0	1333		82.2	51-101			
Butyl benzyl phthalate	1110	µg/kg	41.7	67.0	1333		83.5	59-107			
Caprolactam	957	µg/kg	30.1	33.0	1333		71.8	49-103			
Carbazole	986	µg/kg	9.82	33.0	1333		74.0	63-103			
Chrysene	1070	µg/kg	5.39	6.67	1333		80.2	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1110	µg/kg	27.6	33.0	1333		83.1	63-101			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2180635

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3442024

LCS		CLIENT ID: Laboratory Control Sample				Lab ID: QC-2180635-002				
Method: EPA 8270E		Dilution: 1				Analysis Date: 08/27/25 21:58				
						Prep Date: 08/25/25 16:40				
Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit Qual
Dibenz(a,h) anthracene	1230	µg/kg	3.60	33.0	1333		92.0	61-109		
Dibenzofuran	1070	µg/kg	4.90	33.0	1333		80.6	61-101		
Diethyl phthalate	1080	µg/kg	11.3	33.0	1333		81.4	63-105		
Dimethyl phthalate	1070	µg/kg	6.50	33.0	1333		80.6	64-104		
Di-n-butyl phthalate	1080	µg/kg	20.4	33.0	1333		80.8	66-108		
Di-n-octyl phthalate	1050	µg/kg	28.8	33.0	1333		79.0	53-126		
Fluoranthene	1010	µg/kg	3.20	6.67	1333		75.7	66-105		
Fluorene	1080	µg/kg	4.84	6.67	1333		80.7	62-101		
Hexachlorobenzene	1240	µg/kg	9.70	33.0	1333		93.1	61-104		
Hexachlorobutadiene	1160	µg/kg	7.85	33.0	1333		87.4	52-99		
Hexachlorocyclopentadiene	1100	µg/kg	31.6	33.0	1333		82.5	39-106		
Hexachloroethane	1090	µg/kg	13.8	33.0	1333		81.6	59-99		
Indeno(1,2,3-cd) pyrene	1180	µg/kg	4.64	6.67	1333		88.5	57-114		
Isophorone	1050	µg/kg	6.51	167	1333		78.6	55-101		
Methylphenol, Total	2070	µg/kg	9.01	67.0	2667		77.6	54-103		
Naphthalene	1000	µg/kg	4.26	6.67	1333		75.0	54-99		
Nitrobenzene	1120	µg/kg	11.2	167	1333		84.0	53-100		
n-Nitrosodi-n-propylamine	1070	µg/kg	5.50	33.0	1333		80.3	52-104		
N-Nitrosodiphenylamine	1090	µg/kg	19.3	33.0	1333		81.7	61-104		
Pentachlorophenol	914	µg/kg	26.5	33.0	1333		68.6	35-100		
Phenanthrene	1030	µg/kg	3.10	6.67	1333		77.2	64-101		
Phenol	993	µg/kg	16.7	33.0	1333		74.5	51-107		
Pyrene	1110	µg/kg	3.33	6.67	1333		83.2	62-114		
Pyridine	761	µg/kg	65.6	167	1333		57.1	40-84		
Surr: 2,4,6-Tribromophenol	3140	µg/kg			3333		94.1	48-94		S
Surr: 2-Fluorobiphenyl	2480	µg/kg			3333		74.3	50-103		
Surr: 2-Fluorophenol	2470	µg/kg			3333		74.1	43-105		
Surr: 4-Terphenyl-d14	2670	µg/kg			3333		80.2	55-111		
Surr: Nitrobenzene-d5	2610	µg/kg			3333		78.2	47-100		
Surr: Phenol-d6	2460	µg/kg			3333		73.8	49-110		

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2155600

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3402646

Volatile Organic Compounds by GC-MS

MB		CLIENT ID: Method Blank			Lab ID: QC-2155600-001						
Method: EPA 8260D		Dilution: 1			Analysis Date: 08/14/25 13:51						
					Prep Date: 08/12/25 13:20						
Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	<13.6	µg/kg	13.6	30.0							U
1,1,2,2-Tetrachloroethane	<13.2	µg/kg	13.2	30.0							U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<19.0	µg/kg	19.0	30.0							U
1,1,2-Trichloroethane	<12.8	µg/kg	12.8	30.0							U
1,1-Dichloroethane	<10.9	µg/kg	10.9	30.0							U
1,1-Dichloroethylene	<9.72	µg/kg	9.72	30.0							U
1,2,3-Trichlorobenzene	<36.0	µg/kg	36.0	100							U
1,2,3-Trichloropropane	<12.6	µg/kg	12.6	30.0							U
1,2,4-Trichlorobenzene	<34.0	µg/kg	34.0	100							U
1,2,4-Trimethylbenzene	<22.0	µg/kg	22.0	30.0							U
1,2-Dibromo-3-chloropropane (DBCP)	<27.6	µg/kg	27.6	100							U
1,2-Dibromoethane (EDB, Ethylene dibromide)	<17.6	µg/kg	17.6	30.0							U
1,2-Dichlorobenzene (o-Dichlorobenzene)	<11.4	µg/kg	11.4	30.0							U
1,2-Dichloroethane (Ethylene dichloride)	<26.3	µg/kg	26.3	100							U
1,2-Dichloropropane	<22.1	µg/kg	22.1	30.0							U
1,3,5-Trimethylbenzene	<21.2	µg/kg	21.2	100							U
1,3-Dichlorobenzene (m-Dichlorobenzene)	<20.7	µg/kg	20.7	30.0							U
1,3-Dichloropropene	<16.8	µg/kg	16.8	60.0							U
1,4-Dichlorobenzene (p-Dichlorobenzene)	<24.4	µg/kg	24.4	30.0							U
2-Butanone (Methyl ethyl ketone, MEK)	<71.4	µg/kg	71.4	200							U
2-Hexanone	<14.9	µg/kg	14.9	30.0							U
4-Methyl-2-pentanone (MIBK)	<28.0	µg/kg	28.0	30.0							U
Acetone	<89.0	µg/kg	89.0	100							U
Benzene	<14.5	µg/kg	14.5	30.0							U
Bromochloromethane	<15.3	µg/kg	15.3	30.0							U
Bromodichloromethane	<16.8	µg/kg	16.8	30.0							U
Bromoform	<12.6	µg/kg	12.6	30.0							U
Carbon disulfide	<15.5	µg/kg	15.5	30.0							U
Carbon tetrachloride	<11.7	µg/kg	11.7	30.0							U
Chlorobenzene	<9.96	µg/kg	9.96	30.0							U
Chlorodibromomethane	<16.8	µg/kg	16.8	30.0							U
Chloroethane (Ethyl chloride)	<84.0	µg/kg	84.0	100							U
Chloroform	<11.0	µg/kg	11.0	30.0							U
cis & trans-1,2-Dichloroethene	<19.3	µg/kg	19.3	60.0							U
cis-1,2-Dichloroethylene	<19.3	µg/kg	19.3	30.0							U
cis-1,3-Dichloropropene	<22.6	µg/kg	22.6	30.0							U
Cyclohexane	<23.0	µg/kg	23.0	100							U
Dichlorodifluoromethane (Freon-12)	<36.3	µg/kg	36.3	100							U

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2155600

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3402646

MB	CLIENT ID: Method Blank	Lab ID: QC-2155600-001
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Method: EPA 8260D**Dilution:** 1**Analysis Date:** 08/14/25 13:51**Prep Date:** 08/12/25 13:20

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Ethylbenzene	<21.3	µg/kg	21.3	30.0							U
Isopropylbenzene	<19.0	µg/kg	19.0	30.0							U
m+p-Xylene	<40.0	µg/kg	40.0	60.0							U
Methyl acetate	<35.9	µg/kg	35.9	250							U
Methyl bromide (Bromomethane)	<57.4	µg/kg	57.4	100							U
Methyl chloride (Chloromethane)	<82.0	µg/kg	82.0	100							U
Methyl tert-butyl ether (MTBE)	<21.9	µg/kg	21.9	30.0							U
Methylcyclohexane	<11.4	µg/kg	11.4	30.0							U
Methylene chloride (Dichloromethane)	<79.6	µg/kg	79.6	250							U
o-Xylene	<11.6	µg/kg	11.6	30.0							U
Styrene	<11.9	µg/kg	11.9	30.0							U
Tetrachloroethylene (Perchloroethylene)	<18.1	µg/kg	18.1	30.0							U
Toluene	<24.7	µg/kg	24.7	30.0							U
Total Xylene	<11.6	µg/kg	11.6	90.0							U
trans-1,2-Dichloroethylene	<24.8	µg/kg	24.8	30.0							U
trans-1,3-Dichloropropylene	<16.8	µg/kg	16.8	30.0							U
Trichloroethene (Trichloroethylene)	<13.4	µg/kg	13.4	30.0							U
Trichlorofluoromethane	<15.3	µg/kg	15.3	30.0							U
(Fluorotrichloromethane, Freon 11)											
Vinyl chloride (Chloroethene)	<19.9	µg/kg	19.9	30.0							U
Surr: 1,2-Dichloroethane-d4	986	µg/kg			1000		98.6	80-120			
Surr: 4-Bromofluorobenzene	896	µg/kg			1000		89.6	80-120			
Surr: Dibromofluoromethane	920	µg/kg			1000		92.0	80-120			
Surr: Toluene-d8	1030	µg/kg			1000		103	80-120			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2155600-002
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Method: EPA 8260D**Dilution:** 1**Analysis Date:** 08/14/25 13:03**Prep Date:** 08/12/25 13:20

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	883	µg/kg	13.6	30.0	1000		88.3	75-121			
1,1,2,2-Tetrachloroethane	878	µg/kg	13.2	30.0	1000		87.8	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	896	µg/kg	19.0	30.0	1000		89.6	62-129			
1,1,2-Trichloroethane	896	µg/kg	12.8	30.0	1000		89.6	80-123			
1,1-Dichloroethane	898	µg/kg	10.9	30.0	1000		89.8	74-124			
1,1-Dichloroethylene	894	µg/kg	9.72	30.0	1000		89.4	68-131			
1,2,3-Trichlorobenzene	892	µg/kg	36.0	100	1000		89.2	60-135			
1,2,3-Trichloropropane	774	µg/kg	12.6	30.0	1000		77.4	77-121			
1,2,4-Trichlorobenzene	870	µg/kg	34.0	100	1000		87.0	63-130			
1,2,4-Trimethylbenzene	850	µg/kg	22.0	30.0	1000		85.0	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	820	µg/kg	27.6	100	1000		82.0	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	846	µg/kg	17.6	30.0	1000		84.6	63-155			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2155600

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3402646

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2155600-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 08/14/25 13:03

Prep Date: 08/12/25 13:20

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichlorobenzene (o-Dichlorobenzene)	900	µg/kg	11.4	30.0	1000		90.0	77-122			
1,2-Dichloroethane (Ethylene dichloride)	884	µg/kg	26.3	100	1000		88.4	70-130			
1,2-Dichloropropane	922	µg/kg	22.1	30.0	1000		92.2	71-130			
1,3,5-Trimethylbenzene	869	µg/kg	21.2	100	1000		86.9	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	868	µg/kg	20.7	30.0	1000		86.8	78-121			
1,3-Dichloropropene	1750	µg/kg	16.8	60.0	2000		87.4	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	876	µg/kg	24.4	30.0	1000		87.6	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	885	µg/kg	71.4	200	1000		88.5	47-164			
2-Hexanone	982	µg/kg	14.9	30.0	1000		98.2	70-137			
4-Methyl-2-pentanone (MIBK)	1390	µg/kg	28.0	30.0	1000		139	57-200			
Acetone	1040	µg/kg	89.0	100	1000		104	52-190			
Benzene	916	µg/kg	14.5	30.0	1000		91.6	78-122			
Bromochloromethane	826	µg/kg	15.3	30.0	1000		82.6	68-130			
Bromodichloromethane	906	µg/kg	16.8	30.0	1000		90.6	75-125			
Bromoform	854	µg/kg	12.6	30.0	1000		85.4	59-120			
Carbon disulfide	1020	µg/kg	15.5	30.0	1000		102	60-163			
Carbon tetrachloride	1070	µg/kg	11.7	30.0	1000		107	69-123			
Chlorobenzene	884	µg/kg	9.96	30.0	1000		88.4	79-120			
Chlorodibromomethane	846	µg/kg	16.8	30.0	1000		84.6	57-123			
Chloroethane (Ethyl chloride)	867	µg/kg	84.0	100	1000		86.7	38-132			
Chloroform	890	µg/kg	11.0	30.0	1000		89.0	72-122			
cis & trans-1,2-Dichloroethene	1790	µg/kg	19.3	60.0	2000		89.6	72-127			
cis-1,2-Dichloroethylene	882	µg/kg	19.3	30.0	1000		88.2	74-125			
cis-1,3-Dichloropropene	928	µg/kg	22.6	30.0	1000		92.8	62-124			
Dichlorodifluoromethane (Freon-12)	923	µg/kg	36.3	100	1000		92.3	28-137			
Ethylbenzene	894	µg/kg	21.3	30.0	1000		89.4	75-121			
Isopropylbenzene	880	µg/kg	19.0	30.0	1000		88.0	74-121			
m+p-Xylene	1780	µg/kg	40.0	60.0	2000		88.8	67-129			
Methyl acetate	620	µg/kg	35.9	250	1000		62.0	61-125			
Methyl bromide (Bromomethane)	919	µg/kg	57.4	100	1000		91.9	31-169			
Methyl chloride (Chloromethane)	803	µg/kg	82.0	100	1000		80.3	24-119			
Methyl tert-butyl ether (MTBE)	998	µg/kg	21.9	30.0	1000		99.8	79-139			
Methylene chloride (Dichloromethane)	994	µg/kg	79.6	250	1000		99.4	62-135			
o-Xylene	925	µg/kg	11.6	30.0	1000		92.5	75-120			
Styrene	892	µg/kg	11.9	30.0	1000		89.2	74-126			
Tetrachloroethylene (Perchloroethylene)	924	µg/kg	18.1	30.0	1000		92.4	76-128			
Toluene	917	µg/kg	24.7	30.0	1000		91.7	76-120			
Total Xylene	2700	µg/kg	11.6	90.0	3000		90.0	67-129			
trans-1,2-Dichloroethylene	910	µg/kg	25.8	30.0	1000		91.0	72-127			
trans-1,3-Dichloropropylene	820	µg/kg	16.8	30.0	1000		82.0	66-120			
Trichloroethene (Trichloroethylene)	862	µg/kg	13.4	30.0	1000		86.2	75-122			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2155600

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3402646

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2155600-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 08/14/25 13:03

Prep Date: 08/12/25 13:20

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	739	µg/kg	15.3	30.0	1000		73.9	51-115			
Vinyl chloride (Chloroethene)	966	µg/kg	19.9	30.0	1000		96.6	43-128			
<i>Surr: 1,2-Dichloroethane-d4</i>	946	<i>µg/kg</i>			1000		94.6	80-120			
<i>Surr: 4-Bromofluorobenzene</i>	976	<i>µg/kg</i>			1000		97.6	80-120			
<i>Surr: Dibromofluoromethane</i>	1070	<i>µg/kg</i>			1000		107	80-120			
<i>Surr: Toluene-d8</i>	962	<i>µg/kg</i>			1000		96.2	80-120			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2166362

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3410072

Volatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2166362-001
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Method: EPA 8260D

Dilution: 1

Analysis Date: 08/18/25 12:38

Prep Date: 08/18/25 12:30

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

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2166362

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3410072

MB	CLIENT ID: Method Blank	Lab ID: QC-2166362-001
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Method: EPA 8260D**Dilution:** 1**Analysis Date:** 08/18/25 12:38**Prep Date:** 08/18/25 12:30

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Ethylbenzene	<21.3	µg/kg	21.3	30.0							U
Isopropylbenzene	<19.0	µg/kg	19.0	30.0							U
m+p-Xylene	<40.0	µg/kg	40.0	60.0							U
Methyl acetate	<35.9	µg/kg	35.9	250							U
Methyl bromide (Bromomethane)	<57.4	µg/kg	57.4	100							U
Methyl chloride (Chloromethane)	<82.0	µg/kg	82.0	100							U
Methyl tert-butyl ether (MTBE)	<21.9	µg/kg	21.9	30.0							U
Methylcyclohexane	<11.4	µg/kg	11.4	30.0							U
Methylene chloride (Dichloromethane)	<79.6	µg/kg	79.6	250							U
o-Xylene	<11.6	µg/kg	11.6	30.0							U
Styrene	<11.9	µg/kg	11.9	30.0							U
Tetrachloroethylene (Perchloroethylene)	<18.1	µg/kg	18.1	30.0							U
Toluene	<24.7	µg/kg	24.7	30.0							U
Total Xylene	<11.6	µg/kg	11.6	90.0							U
trans-1,2-Dichloroethylene	<24.8	µg/kg	24.8	30.0							U
trans-1,3-Dichloropropylene	<16.8	µg/kg	16.8	30.0							U
Trichloroethene (Trichloroethylene)	<13.4	µg/kg	13.4	30.0							U
Trichlorofluoromethane	<15.3	µg/kg	15.3	30.0							U
(Fluorotrichloromethane, Freon 11)											
Vinyl chloride (Chloroethene)	<19.9	µg/kg	19.9	30.0							U
Surr: 1,2-Dichloroethane-d4	973	µg/kg			1000		97.3	80-120			
Surr: 4-Bromofluorobenzene	984	µg/kg			1000		98.4	80-120			
Surr: Dibromofluoromethane	946	µg/kg			1000		94.6	72-120			
Surr: Toluene-d8	986	µg/kg			1000		98.6	80-120			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2166362-002
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Method: EPA 8260D**Dilution:** 1**Analysis Date:** 08/18/25 12:38**Prep Date:** 08/18/25 12:30

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	906	µg/kg	13.6	30.0	1000		90.6	75-121			
1,1,2,2-Tetrachloroethane	926	µg/kg	13.2	30.0	1000		92.6	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	918	µg/kg	19.0	30.0	1000		91.8	62-129			
1,1,2-Trichloroethane	888	µg/kg	12.8	30.0	1000		88.8	80-123			
1,1-Dichloroethane	1040	µg/kg	10.9	30.0	1000		104	74-124			
1,1-Dichloroethylene	1010	µg/kg	9.72	30.0	1000		101	68-131			
1,2,3-Trichlorobenzene	957	µg/kg	36.0	100	1000		95.7	60-135			
1,2,3-Trichloropropane	890	µg/kg	12.6	30.0	1000		89.0	77-121			
1,2,4-Trichlorobenzene	953	µg/kg	34.0	100	1000		95.3	63-130			
1,2,4-Trimethylbenzene	912	µg/kg	22.0	30.0	1000		91.2	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	819	µg/kg	27.6	100	1000		81.9	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	872	µg/kg	17.6	30.0	1000		87.2	63-155			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2166362

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3410072

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2166362-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 08/18/25 12:38

Prep Date: 08/18/25 12:30

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichlorobenzene (o-Dichlorobenzene)	900	µg/kg	11.4	30.0	1000		90.0	77-122			
1,2-Dichloroethane (Ethylene dichloride)	929	µg/kg	26.3	100	1000		92.9	70-130			
1,2-Dichloropropane	915	µg/kg	22.1	30.0	1000		91.5	71-130			
1,3,5-Trimethylbenzene	940	µg/kg	21.2	100	1000		94.0	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	898	µg/kg	20.7	30.0	1000		89.8	78-121			
1,3-Dichloropropene	1490	µg/kg	16.8	60.0	2000		74.3	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	919	µg/kg	24.4	30.0	1000		91.9	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	1010	µg/kg	71.4	200	1000		101	47-164			
2-Hexanone	926	µg/kg	14.9	30.0	1000		92.6	70-137			
4-Methyl-2-pentanone (MIBK)	1260	µg/kg	28.0	30.0	1000		126	57-200			
Acetone	1390	µg/kg	89.0	100	1000		139	52-190			
Benzene	970	µg/kg	14.5	30.0	1000		97.0	78-122			
Bromochloromethane	924	µg/kg	15.3	30.0	1000		92.4	68-130			
Bromodichloromethane	856	µg/kg	16.8	30.0	1000		85.6	75-125			
Bromoform	770	µg/kg	12.6	30.0	1000		77.0	59-120			
Carbon disulfide	1190	µg/kg	15.5	30.0	1000		119	60-163			
Carbon tetrachloride	938	µg/kg	11.7	30.0	1000		93.8	69-123			
Chlorobenzene	903	µg/kg	9.96	30.0	1000		90.3	79-120			
Chlorodibromomethane	674	µg/kg	16.8	30.0	1000		67.4	57-123			
Chloroethane (Ethyl chloride)	972	µg/kg	84.0	100	1000		97.2	38-132			
Chloroform	938	µg/kg	11.0	30.0	1000		93.8	72-122			
cis & trans-1,2-Dichloroethene	1930	µg/kg	19.3	60.0	2000		96.7	72-127			
cis-1,2-Dichloroethylene	952	µg/kg	19.3	30.0	1000		95.2	74-125			
cis-1,3-Dichloropropene	816	µg/kg	22.6	30.0	1000		81.6	62-124			
Dichlorodifluoromethane (Freon-12)	837	µg/kg	36.3	100	1000		83.7	28-137			
Ethylbenzene	937	µg/kg	21.3	30.0	1000		93.7	75-121			
Isopropylbenzene	923	µg/kg	19.0	30.0	1000		92.3	74-121			
m+p-Xylene	1870	µg/kg	40.0	60.0	2000		93.7	67-129			
Methyl acetate	926	µg/kg	35.9	250	1000		92.6	61-125			
Methyl bromide (Bromomethane)	902	µg/kg	57.4	100	1000		90.2	31-169			
Methyl chloride (Chloromethane)	921	µg/kg	82.0	100	1000		92.1	24-119			
Methyl tert-butyl ether (MTBE)	946	µg/kg	21.9	30.0	1000		94.6	79-139			
Methylene chloride (Dichloromethane)	988	µg/kg	79.6	250	1000		98.8	62-135			
o-Xylene	926	µg/kg	11.6	30.0	1000		92.6	75-120			
Styrene	895	µg/kg	11.9	30.0	1000		89.5	74-126			
Tetrachloroethylene (Perchloroethylene)	922	µg/kg	18.1	30.0	1000		92.2	76-128			
Toluene	932	µg/kg	24.7	30.0	1000		93.2	76-120			
Total Xylene	2800	µg/kg	11.6	90.0	3000		93.3	67-129			
trans-1,2-Dichloroethylene	982	µg/kg	25.8	30.0	1000		98.2	72-127			
trans-1,3-Dichloropropylene	671	µg/kg	16.8	30.0	1000		67.1	66-120			
Trichloroethene (Trichloroethylene)	886	µg/kg	13.4	30.0	1000		88.6	75-122			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: 8014_Foster
Matrix: SOIL/SOLID
QC Lot: 2166362

Work Order: HN2511215
Date Collected: NA
Date Received: NA
Run ID: 3410072

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2166362-002
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Method: EPA 8260D

Dilution: 1

Analysis Date: 08/18/25 12:38

Prep Date: 08/18/25 12:30

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	874	µg/kg	15.3	30.0	1000		87.4	51-115			
Vinyl chloride (Chloroethene)	1030	µg/kg	19.9	30.0	1000		103	43-128			
<i>Surr: 1,2-Dichloroethane-d4</i>	960	<i>µg/kg</i>			1000		96.0	80-120			
<i>Surr: 4-Bromofluorobenzene</i>	990	<i>µg/kg</i>			1000		99.0	80-120			
<i>Surr: Dibromofluoromethane</i>	980	<i>µg/kg</i>			1000		98.0	72-120			
<i>Surr: Toluene-d8</i>	980	<i>µg/kg</i>			1000		98.0	80-120			

The following samples were analyzed in this batch: HN2511215-001, HN2511215-002, HN2511215-003



right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order

HN2514962

Client

The Mannik & Smith Group, Inc.

Project

DETR0060

Project Date

October 08, 2025

Reporting Contact

Ryan Montri



right solutions.
right partner.

October 15, 2025

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

Re: **DETR0060**

Date Received: **10/09/2025**

Work Order: **HN2514962**

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

Dale Schipper

/s/ **ALEX CSASZAR** on behalf of PM listed above

Project Manager



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

Work Order: HN2514962
Date Received: 09-Oct-2025

CASE NARRATIVE

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

Sample Receipt

1 soil/solid sample was received for analysis at ALS Environmental on 09-Oct-2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Workorder: HN2514962

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2514962-001	8014 Foster SB03 TCLP	SOIL/SOLID	10/08/25 12:05	10/09/25 07:00



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

Customer Information		Project Information					Parameter/Method Request for Analysis				
Purchase Order		Project Name	8014 Foster				A	TCLP Arsenic			
Work Order	Quote ID - 11631	Project Number	DETR0060				B	TEEP - Environmental			
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group				C	Report			
Send Report To	Ryan Montri	Invoice Attn.					D				
Address	2365 South Haggerty Road	Address	2365 South Haggerty Road				E				
							F				
City/State/Zip	Canton, Mi 48188	City/State/Zip	Canton, Mi 48188				G				
Phone	734-397-3100	Phone	734-397-3100				H				
Fax		Fax					I				
e-Mail Address	rmontri@manniksmithgroup.com	e-Mail Address					J				

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E
1	8014 Foster SBO3 TCLP	10-8-25	1205	Soil		2	X				
2											
3											
4											
5											
6											
7											
8											
9											
10											

Environmental Division
Holland
Work Order Reference
HN2514962



Telephone : +1 616 399 8070

Sampler(s): Please Print & Sign Shannon Kaczmarek Adam Montri		Shipment Method:	Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:
Relinquished by: Shannon Kaczmarek	Date: 10/8/25	Time: 4:20	Received by: Colin	Notes: QS to Brittany H 10/9/25 0700	
Relinquished by: Colin	Date: 10/8/25	Time: 1700	Received by (Laboratory): QS	QC Package: (Check Box Below)	
Logged by (Laboratory): BH	Date: 10/9/25	Time: 1430	Checked by (Laboratory):	Cooler Temp. 12.7 2.1C	Level II: Standard QC Level III: Std QC + Raw Data 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: _____	

Level II: Standard QC

Level III: Std QC + Raw Data

Level IV: SW846 CLP-Like

TRRP-Checklist

TRRP Level IV

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

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

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

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ALS Holland Sample Receiving Checklist

Received by:

Brilliance H

Date/Time:

10/9/25 0700

Carrier Name:

QS

Shipping container/cooler in good condition?

☒ Yes / No / Not Present

Custody seals intact on shipping container/cooler?

Yes / No / ☒ Not Present

Custody seals intact on sample bottles?

Yes / No / ☒ Not Present

Chain of Custody present?

☒ Yes / No

COC signed when relinquished and received?

☒ Yes / No

COC agrees with sample labels?

☒ Yes / No

Samples in proper container/bottle?

☒ Yes / No

Sample containers intact?

☒ Yes / No

Sufficient sample volume for indicated test?

☒ Yes / No

All samples received within holding time?

☒ Yes / No

Container/Temp Blank temperature in compliance?

☒ Yes / No

Temperature(s) (°C):

2.1/2.1c

Thermometer(s):

1R7

Sample(s) received on ice?

☒ Yes / No

Matrix/Matrices:

Soil

Cooler(s)/Kit(s):

1

Date/Time sample(s) sent to storage:

10/9/25 1430

Water – VOA vials have zero headspace?

Yes / No / No Vials

Water – pH acceptable upon receipt?

Yes / No / N/A

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

pH adjusted (note adjustments below)?

Yes / No / N/A

pH adjusted by:

Login Notes:

REPORT QUALIFIERS AND DEFINITIONS

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

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	12/17/2024	12/31/2025
Colorado	UST		07/01/2025	06/30/2026
Connecticut	Drinking Water (Secondary)	PH-0155	12/10/2024	12/31/2026
Florida	NELAP (Primary)	E871106	07/01/2025	06/30/2026
Illinois	NELAP (Secondary)	200076	11/14/2024	12/31/2025
Indiana	Drinking Water (Secondary)	C-MI-08	12/31/2024	09/04/2026
Iowa	State Specific	403	09/18/2023	09/01/2025
Kansas	NELAP (Secondary)	E-10411	07/09/2024	07/31/2025
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	06/24/2024	06/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2024	6/30/2025
New York	NELAP (Secondary)	12128	04/01/2025	04/01/2026
North Dakota	State Specific	R-192	11/18/2024	06/30/2025
Ohio	Drinking Water (Secondary)	87783	06/26/2025	6/30/2026
Pennsylvania	NELAP (Secondary)	68-03827	06/14/2024	07/31/2025
Texas	NELAP (Secondary)	T104704494	02/12/2025	01/31/2026
USDA	Domestic CA	Soil-MI-007	02/06/2025	08/07/2026
USDA	Soil Import	525-23-62-77572	03/03/2023	03/03/2026
West Virginia	State Specific	355	06/07/2025	08/31/2026
Wisconsin	State Specific	399084510	08/15/2024	08/31/2025

¹ - Scope available upon request

ANALYST SUMMARY



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

Work Order: HN2514962

Sample Name: 8014 Foster SB03 TCLP
Laboratory Code: HN2514962-001
Sample Matrix: SOIL/SOLID

Date Collected: 10/08/25
Date Received: 10/09/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AD	2273977	Chloe Patrick	3586505	Stephanie Pierson

Analytical Report



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

Work Order: HN2514962
Date Collected: 10/08/25 12:05
Date Received: 10/09/25 07:00

CLIENT ID: 8014 Foster SB03 TCLP **Lab ID: HN2514962-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Arsenic	EPA 6020B	ND		mg/L	0.0499	1	10/15/25 04:10	10/14/25 11:41

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Matrix: SOIL/SOLID
QC Lot: 2273977

Work Order: HN2514962
Date Collected: NA
Date Received: NA
Run ID: 3586505

TCLP Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2273977-001
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 10/15/25 03:41
Prep Date: 10/14/25 11:42

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	ND	mg/L	0.0499							

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2273977-002
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 10/15/25 03:43
Prep Date: 10/14/25 11:42

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	0.990	mg/L	0.0499	1		99.0	80-120			

MS	CLIENT ID: Batch QC	Lab ID: QC-2273977-004
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 10/15/25 03:47
Prep Date: 10/14/25 11:42

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	1.01	mg/L	0.0499	1	0.0509	96.0	75-125			

MSD	CLIENT ID: Batch QC	Lab ID: QC-2273977-005
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Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 10/15/25 03:50
Prep Date: 10/14/25 11:42

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	1.04	mg/L	0.0499	1	0.0509	98.9	75-125	2.81	20	

The following samples were analyzed in this batch: HN2514962-001



right solutions.
right partner.

October 28, 2025

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

Re: **DETR0060**

Date Received: **10/21/2025**

Work Order: **HN2515743**

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

Dale Schipper

/S/ DALE SCHIPPER

Project Manager



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

Work Order: HN2515743
Date Received: 21-Oct-2025

CASE NARRATIVE

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

Sample Receipt

1 soil/solid sample was received for analysis at ALS Environmental on 21-Oct-2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Organics

EPA 8151A-S

Run ID: 3623700

Surrogate recovery high due to matrix interference: DCAA

HN2515743-001: One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed: DCAA

EPA 8081B-3546-S (High)

Run ID: 3616931

The MS/MSD recoveries were below the lower control limit. The corresponding results in the parent sample may be biased low for the analyte(s): delta-BHC; Endosulfan II; Tetrachloro-m-xylene (surrogate)

HN2515743-001: 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: Endrin aldehyde

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: 8014 Foster SB-3 (5'-6') R			Lab ID: HN2515743-001		
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Analyte	Results	Flag	MRL	Units	Method
4,4'-DDE	89.6		25.1	µg/kg	EPA 8081B

SAMPLE SUMMARY



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Workorder: HN2515743

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2515743-001	8014 Foster SB-3 (5'-6') R	SOIL/SOLID	10/20/25 08:50	10/21/25 06:00

REPORT QUALIFIERS AND DEFINITIONS

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

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	12/17/2024	12/31/2025
Colorado	UST		07/01/2025	06/30/2026
Connecticut	Drinking Water (Secondary)	PH-0155	12/10/2024	12/31/2026
Florida	NELAP (Primary)	E871106	07/01/2025	06/30/2026
Illinois	NELAP (Secondary)	200076	11/14/2024	12/31/2025
Indiana	Drinking Water (Secondary)	C-MI-08	12/31/2024	09/04/2026
Iowa	State Specific	403	09/18/2023	09/01/2025
Kansas	NELAP (Secondary)	E-10411	07/09/2024	07/31/2025
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	06/24/2024	06/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2024	6/30/2025
New York	NELAP (Secondary)	12128	04/01/2025	04/01/2026
North Dakota	State Specific	R-192	11/18/2024	06/30/2025
Ohio	Drinking Water (Secondary)	87783	06/26/2025	6/30/2026
Pennsylvania	NELAP (Secondary)	68-03827	06/14/2024	07/31/2025
Texas	NELAP (Secondary)	T104704494	02/12/2025	01/31/2026
USDA	Domestic CA	Soil-MI-007	02/06/2025	08/07/2026
USDA	Soil Import	525-23-62-77572	03/03/2023	03/03/2026
West Virginia	State Specific	355	06/07/2025	08/31/2026
Wisconsin	State Specific	399084510	08/15/2024	08/31/2025

¹ - Scope available upon request

Analytical Report



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

Work Order: HN2515743
Date Collected: 10/20/25 08:50
Date Received: 10/21/25 06:00

CLIENT ID: 8014 Foster SB-3 (5'-6') R	Lab ID: HN2515743-001
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Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<1.00	U	µg/kg	5.44	1	10/24/25 23:46	10/22/25 09:07
2,4,5-TP (Silvex)	EPA 8151A	<1.78	U	µg/kg	5.44	1	10/24/25 23:46	10/22/25 09:07
2,4-D	EPA 8151A	<2.90	U	µg/kg	10.9	1	10/24/25 23:46	10/22/25 09:07
Surr: DCAA	EPA 8151A	974	S	%REC	10-116	1	10/24/25 23:46	10/22/25 09:07
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<16.0	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
4,4'-DDE	EPA 8081B	89.6		µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
4,4'-DDT	EPA 8081B	<16.7	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Aldrin	EPA 8081B	<16.3	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
alpha-BHC	EPA 8081B	<16.5	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
beta-BHC	EPA 8081B	<16.5	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Chlordane, Technical	EPA 8081B	<24.9	U	µg/kg	62.7	1	10/22/25 19:22	10/22/25 14:04
cis-Chlordane	EPA 8081B	<16.8	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
delta-BHC	EPA 8081B	<16.4	SU	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Dieldrin	EPA 8081B	<17.5	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Endosulfan I	EPA 8081B	<16.9	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Endosulfan II	EPA 8081B	<16.6	SU	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Endosulfan sulfate	EPA 8081B	<15.4	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Endrin	EPA 8081B	<20.3	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Endrin aldehyde	EPA 8081B	<15.9	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Endrin ketone	EPA 8081B	<15.3	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
gamma-BHC (Lindane)	EPA 8081B	<16.5	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Heptachlor	EPA 8081B	<16.2	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Heptachlor epoxide	EPA 8081B	<16.6	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Methoxychlor	EPA 8081B	<16.8	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Toxaphene	EPA 8081B	<27.1	U	µg/kg	151	1	10/22/25 19:22	10/22/25 14:04
trans-Chlordane	EPA 8081B	<16.7	U	µg/kg	25.1	1	10/22/25 19:22	10/22/25 14:04
Surr: Decachlorobiphenyl	EPA 8081B	100		%REC	53-151	1	10/22/25 19:22	10/22/25 14:04
Surr: Tetrachloro-m-xylene	EPA 8081B	68.4		%REC	67-127	1	10/22/25 19:22	10/22/25 14:04



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Matrix: SOIL/SOLID
QC Lot: 2290565

Work Order: HN2515743
Date Collected: NA
Date Received: NA
Run ID: 3623700

Chlorinated Herbicides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2290565-001
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 10/24/25 19:00
Prep Date: 10/22/25 09:08

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	78.0	µg/kg		50		156	10-116			S

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2290565-002
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Method: EPA 8151A **Dilution:** 1 **Analysis Date:** 10/24/25 19:13
Prep Date: 10/22/25 09:08

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	30.0	µg/kg	5.00	50		60.0	10-119			
2,4,5-TP (Silvex)	27.0	µg/kg	5.00	50		54.0	10-101			
2,4-D	28.0	µg/kg	10.0	50		56.0	10-128			
Surr: DCAA	37.0	µg/kg		50		74.0	10-116			

The following samples were analyzed in this batch: HN2515743-001



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Matrix: SOIL/SOLID
QC Lot: 2291588

Work Order: HN2515743
Date Collected: NA
Date Received: NA
Run ID: 3616931

Organochlorine Pesticides by GC/ECD

MB	CLIENT ID: Method Blank	Lab ID: QC-2291588-001
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 10/22/25 18:36**Prep Date:** 10/22/25 14:05

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	37.3	µg/kg		33.33		112	53-151			
Surr: Tetrachloro-m-xylene	31.0	µg/kg		33.33		93.0	67-127			

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2291588-002
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Method: EPA 8081B**Dilution:** 1**Analysis Date:** 10/22/25 18:48**Prep Date:** 10/22/25 14:05

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	33.6	µg/kg	10.0	33.33		101	55-141			
4,4'-DDE	31.5	µg/kg	10.0	33.33		94.6	55-143			
4,4'-DDT	47.6	µg/kg	10.0	33.33		143	50-144			
Aldrin	34.1	µg/kg	10.0	33.33		102	57-141			
alpha-BHC	33.3	µg/kg	10.0	33.33		99.9	58-144			
beta-BHC	32.7	µg/kg	10.0	33.33		98.0	55-147			
cis-Chlordane	34.0	µg/kg	10.0	33.33		102	58-142			
delta-BHC	27.3	µg/kg	10.0	33.33		82.0	59-142			
Dieldrin	36.8	µg/kg	10.0	33.33		111	59-142			
Endosulfan I	34.0	µg/kg	10.0	33.33		102	57-145			
Endosulfan II	35.4	µg/kg	10.0	33.33		106	58-138			
Endosulfan sulfate	35.4	µg/kg	10.0	33.33		106	54-136			
Endrin	35.9	µg/kg	10.0	33.33		108	45-150			

QA/QC Report



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Matrix: SOIL/SOLID
QC Lot: 2291588

Work Order: HN2515743
Date Collected: NA
Date Received: NA
Run ID: 3616931

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2291588-002
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Method: EPA 8081B

Dilution: 1

Analysis Date: 10/22/25 18:48

Prep Date: 10/22/25 14:05

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	41.4	µg/kg	10.0	33.33		124	41-147			
Endrin ketone	36.1	µg/kg	10.0	33.33		108	54-146			
gamma-BHC (Lindane)	33.7	µg/kg	10.0	33.33		101	58-145			
Heptachlor	33.0	µg/kg	10.0	33.33		98.9	51-145			
Heptachlor epoxide	35.4	µg/kg	10.0	33.33		106	59-143			
Methoxychlor	34.8	µg/kg	10.0	33.33		104	43-144			
trans-Chlordane	34.3	µg/kg	10.0	33.33		103	56-145			
Surr: Decachlorobiphenyl	41.0	µg/kg		33.33		123	51-151			
Surr: Tetrachloro-m-xylene	28.9	µg/kg		33.33		86.8	67-127			

MS	CLIENT ID: 8014 Foster SB-3 (5'-6') R	Lab ID: QC-2291588-005
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Method: EPA 8081B

Dilution: 1

Analysis Date: 10/22/25 18:59

Prep Date: 10/22/25 14:05

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	74.0	µg/kg	26.6	79.864	<15.3	92.7	55-141			
4,4'-DDE	149	µg/kg	26.6	79.864	89.6	85.9	55-143			
4,4'-DDT	89.5	µg/kg	26.6	79.864	<15.9	112	50-144			
Aldrin	62.3	µg/kg	26.6	79.864	<15.6	78.0	57-141			
alpha-BHC	60.3	µg/kg	26.6	79.864	<15.8	75.5	58-144			
beta-BHC	62.6	µg/kg	26.6	79.864	<15.7	78.4	55-147			
cis-Chlordane	73.1	µg/kg	26.6	79.864	<16.0	91.5	58-142			
delta-BHC	40.8	µg/kg	26.6	79.864	<15.7	51.1	59-142			S
Dieldrin	74.2	µg/kg	26.6	79.864	<16.8	93.0	59-142			
Endosulfan I	53.7	µg/kg	26.6	79.864	<16.1	67.3	57-145			
Endosulfan II	41.2	µg/kg	26.6	79.864	<15.9	51.6	58-138			S
Endosulfan sulfate	54.2	µg/kg	26.6	79.864	<14.7	67.8	54-135			
Endrin	67.7	µg/kg	26.6	79.864	<19.4	84.8	45-150			
Endrin aldehyde	50.4	µg/kg	26.6	79.864	<15.2	63.1	41-147			
Endrin ketone	58.5	µg/kg	26.6	79.864	<14.6	73.3	54-146			
gamma-BHC (Lindane)	60.8	µg/kg	26.6	79.864	<15.7	76.2	58-145			
Heptachlor	60.8	µg/kg	26.6	79.864	<15.5	76.2	51-145			
Heptachlor epoxide	69.8	µg/kg	26.6	79.864	<15.9	87.4	59-143			
Methoxychlor	75.5	µg/kg	26.6	79.864	<16.0	94.5	43-144			
trans-Chlordane	72.2	µg/kg	26.6	79.864	<15.9	90.4	56-145			
Surr: Decachlorobiphenyl	83.5	µg/kg		79.864		105	53-151			
Surr: Tetrachloro-m-xylene	53.0	µg/kg		79.864		66.4	67-127			S

MSD	CLIENT ID: 8014 Foster SB-3 (5'-6') R	Lab ID: QC-2291588-006
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Method: EPA 8081B

Dilution: 1

Analysis Date: 10/22/25 19:11

Prep Date: 10/22/25 14:05

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	72.2	µg/kg	26.8	80.249	<15.4	89.9	55-141	2.53	20	



Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Matrix: SOIL/SOLID
QC Lot: 2291588

Work Order: HN2515743
Date Collected: NA
Date Received: NA
Run ID: 3616931

MSD	CLIENT ID: 8014 Foster SB-3 (5'-6') R	Lab ID: QC-2291588-006
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Method: EPA 8081B

Dilution: 1

Analysis Date: 10/22/25 19:11

Prep Date: 10/22/25 14:05

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDE	145	µg/kg	26.8	80.249	89.6	79.8	55-143	3.12	20	
4,4'-DDT	101	µg/kg	26.8	80.249	<16.0	126	50-144	12.1	20	
Aldrin	59.9	µg/kg	26.8	80.249	<15.6	74.6	57-141	3.98	20	
alpha-BHC	60.8	µg/kg	26.8	80.249	<15.8	75.8	58-144	0.877	20	
beta-BHC	65.2	µg/kg	26.8	80.249	<15.8	81.3	55-147	4.18	20	
cis-Chlordane	64.6	µg/kg	26.8	80.249	<16.1	80.6	58-142	12.3	20	
delta-BHC	44.4	µg/kg	26.8	80.249	<15.8	55.4	59-142	8.56	20	S
Dieldrin	69.4	µg/kg	26.8	80.249	<16.8	86.5	59-142	6.77	20	
Endosulfan I	54.7	µg/kg	26.8	80.249	<16.2	68.2	57-145	1.88	20	
Endosulfan II	45.9	µg/kg	26.8	80.249	<15.9	57.2	58-138	10.8	20	S
Endosulfan sulfate	55.3	µg/kg	26.8	80.249	<14.8	68.9	54-135	2.02	20	
Endrin	63.3	µg/kg	26.8	80.249	<19.5	78.9	45-150	6.67	20	
Endrin aldehyde	54.8	µg/kg	26.8	80.249	<15.3	68.3	41-147	8.40	20	
Endrin ketone	60.8	µg/kg	26.8	80.249	<14.6	75.8	54-146	3.90	20	
gamma-BHC (Lindane)	61.5	µg/kg	26.8	80.249	<15.8	76.7	58-145	1.13	20	
Heptachlor	59.3	µg/kg	26.8	80.249	<15.5	73.9	51-145	2.59	20	
Heptachlor epoxide	66.3	µg/kg	26.8	80.249	<15.9	82.6	59-143	5.23	20	
Methoxychlor	70.8	µg/kg	26.8	80.249	<16.1	88.2	43-144	6.42	20	
trans-Chlordane	62.6	µg/kg	26.8	80.249	<16.0	78.0	56-145	14.2	20	
Surr: Decachlorobiphenyl	79.0	µg/kg		80.249		98.4	53-151	5.63	30	
Surr: Tetrachloro-m-xylene	53.0	µg/kg		80.249		66.0	67-127	0.0485	30	S

The following samples were analyzed in this batch: HN2515743-001

ANALYST SUMMARY



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

Work Order: HN2515743

Sample Name: 8014 Foster SB-3 (5'-6') R
Laboratory Code: HN2515743-001
Sample Matrix: SOIL/SOLID

Date Collected: 10/20/25
Date Received: 10/21/25

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 8081B	EPA 3546	001-AA	2291588	Willow Julien	3616931	Madison VandenBer
EPA 8151A	Method	001-AA	2290565	Willow Julien	3623700	Kathy Malmyga



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1Environmental Division
HollandWork Order Reference
HN2515743

Telephone : + 1 616 399 6070

Customer Information		Project Information		ALS Project Manager:		Wo	
Purchase Order		Project Name	8014 Foster	A	VOCs		
Work Order	Quote ID - 11631	Project Number	DETR0060	B	SVOCs		
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group	C	PCBs		
Send Report To	Ryan Montri	Invoice Attn:		D	M. 10 Metals		
Address	2365 South Haggerty Road	Address	2365 South Haggerty Road	E	Chlorides		
City/State/Zip	Canton, Mi 48188	City/State/Zip	Canton, Mi 48188	F	Pesticides		
Phone	734-397-3100	Phone	734-397-3100	G	Herbicides		
Fax		Fax		H			
e-Mail Address	rmontri@manniksmithgroup.com	e-Mail Address		I			
				J			

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8014 Foster SB-3(5'-6") R	10-20-25	0850	Soil	-	2	X	X	X	X	X	X	X				X
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign Edmund Bosnyak / Eddie Bosnyak		Shipment Method:		Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:	
Relinquished by: Edmund Bosnyak		Date: 10/20/25	Time: 1225	Received by: Collins		Notes: 10/21/25 QS to Butte Co 0600	
Relinquished by: [Signature]		Date: 10/20/25	Time: 1700	Received by (Laboratory): QJ		Cooler Temp. 117 4.4°C	
Logged by (Laboratory): BH		Date: 10/21/25	Time: 1630	Checked by (Laboratory):		QC Package: (Check Box Below) ☐ 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 Sample Receiving Checklist

Received by:	<u>Diane F. Shaw</u>	
Date/Time:	<u>10/21/25 0600</u>	
Carrier Name:	<u>QS</u>	
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):	<u>4.4 / 4.4 °C</u>	
Thermometer(s):	<u>IR6</u>	
Sample(s) received on ice?	☒ Yes / No	
Matrix/Matrices:	<u>Soil</u>	
Cooler(s)/Kit(s):	<u>1</u>	
Date/Time sample(s) sent to storage:	<u>10/21/25 1630</u>	
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:	_____	