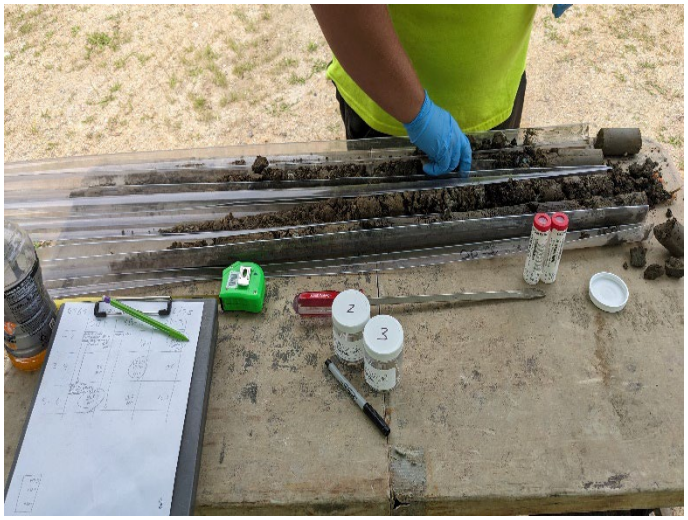
DRAFT

FILL MATERIAL SAMPLING REPORT

8965 CAMERON STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48211



JANUARY 20, 2026

PREPARED FOR:

THE CITY OF DETROIT DEMOLITION DEPARTMENT

1301 THIRD STREET, SUITE 606
DETROIT, MICHIGAN 48226

Mannik Smith GROUP

Fill Material Sampling Report

8965 Cameron Street
Detroit, Wayne County, Michigan 48211

Prepared By: _____

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Senior Project Manager

Mannik Smith Group

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 8965 Cameron 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 8965 SB-01, 8965 SB-02, and 8965 SB-03 generally consisted of one to six feet of heavily mixed dark gray clay with gravel, brick sand, silt, asphalt, and concrete underlain in two borings by dark gray 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 0.2 to 10.5 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.
- Concentrations of arsenic, chromium, and phenanthrene were detected in soil samples 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), and/or 8965 SB-03 (1-2') 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 (SVIAP).
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, anthracene, arsenic, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, cadmium, copper, chloride, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, lead, mercury, phenanthrene, pyrene, total chromium, and zinc were detected in the soil samples 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), and/or 8965 SB-03 (1-2') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- Toxicity Characteristic Leaching Procedure (TCLP) laboratory analytical results revealed that concentrations of arsenic, chromium, SVOCs, and pesticides were not in excess of *40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste.*
- VOCs, PCBs, pesticides, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying

bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. 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.

TABLE OF CONTENTS

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 8965 Cameron 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 8, 2025, October 7, 2025, October 27, 2025, and January 13, 2026. The findings of this report are valid as of the report date, subject to the limitations presented in *Appendix A, Limitations*.

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

2.0 PURPOSE AND SCOPE OF WORK

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

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

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

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

3.0 SITE ASSESSMENT METHODOLOGY

The following subsections describe the methodologies employed by MSG at the Site during sampling activities that were conducted on August 8, 2025, October 7, 2025, October 27, 2025, and January 13, 2026. Daily field activity reports prepared by MSG are presented in *Appendix B, Daily Field Reports.*

3.1 Preliminary Site Work Activities

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

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

3.2 Soil Sample Collection

The sampling plan for the Site was based on the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and modified in the field (if necessary) based on encountered conditions and professional judgment of MSG's field personnel. MSG advanced three (3) initial soil borings, designated 8965 SB-01, 8965 SB-02, and 8965 SB-03, using a direct push drill rig at the locations depicted on Figure 2. Photographs collected during completion of this work are provided in *Appendix C, Investigation Photographs*.

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

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

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

3.3 Toxicity Characteristic Leaching Procedure (TCLP) Soil Sample Collection

On October 7, 2025, MSG mobilized to the Site to collect an additional soil sample based on request from the COD. Sample location and analyte(s) were based on the laboratory results of the initial soil investigation. MSG personnel advanced one soil boring in the immediate vicinity of the soil boring location that exhibited the highest laboratory result(s) in excess of Part 201 GRCC. Soils were continuously profiled from the ground surface to the termination depth of six feet bgs utilizing a direct push drill rig. These soils were homogenized in a stainless-steel bowl (or equivalent) to produce a single, composite soil sample. The composite soil sample was placed into unpreserved laboratory-supplied sample containers, as appropriate for the associated laboratory analyses.

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

On October 27, 2025, and January 13, 2026, MSG mobilized to the Site to collect an additional soil sample based on request from the COD in order to fulfill waste characterization parameters required at a Type II landfill. Sample location and analyte(s) were based on the laboratory results of the initial soil sampling event,

as compared to *40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261 - Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste*. Soils were continuously profiled at the supplemental soil boring locations from the ground surface to the termination depth using a 5-foot long, closed-piston Macro-Core® sampling device. When warranted, a new disposable high-density polyethylene (HDPE) liner was placed within the sampler between each 5-foot sample interval. The recovered soil samples were examined and logged in the field by the MSG field geologist.

3.4 Decontamination

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

3.5 Analytical Methods

A total of six (6) soil samples, designated 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), 8965 SB-03 (1-2'), 8965 Cameron SB01 (5-6')-R, 8965 Cameron SB02-3 TCLP, and 8965 SB02 (3-4') 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 8, 2025, October 7, 2025, October 27, 2025, and January 13, 2026.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 8965 SB-01, 8965 SB-02, and 8965 SB-03 generally consisted of one to six feet of heavily mixed dark gray clay with gravel, brick sand, silt, asphalt, and

concrete underlain in two borings by dark gray 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 0.2 to 10.5 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.

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 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), 8965 SB-03 (1-2'), and 8965 Cameron SB01 (5-6')-R were collected from the Site and submitted to ALS for laboratory analysis of VOCs, SVOCs, PCBs, Michigan 10 Metals, chloride, herbicides, and/or pesticides.

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

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

Chemical	CAS Number	Soil Sample (feet bgs)	Part 201 GRCC Exceeded / Concentration (µg/kg[1])	Maximum Detected Concentration (µg/kg)
Arsenic	7440-38-2	8965 SB-01 (5-6') 8965 SB-02 (3-4') 8965 SB-03 (1-2')	DWPC[2] / 4,600 GSIPC[3] / 4,600 DCC[4] / 7,600	11,800
Chromium (Total)	7440-47-3	8965 SB-01 (5-6') 8965 SB-02 (3-4') 8965 SB-03 (1-2')	GSIPC / 3,300	24,900
Phenanthrene	85-01-8	8965 SB-02 (3-4')	GSIPC / 2,100 SVIAP[5] / 1,700	2,680

[1]µg/kg – micrograms per kilogram;
[2]DWPC – Drinking Water Protection Criteria
[3]GSIPC – Groundwater Surface Water Interface Protection Criteria
[4]DCC – Direct Contact Criteria
[5]SVIAP – Soil Volatilization to Indoor Air Pathway

4.3 TCLP Analytical Results

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

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

4.4 Exposure Evaluation

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

Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the 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:

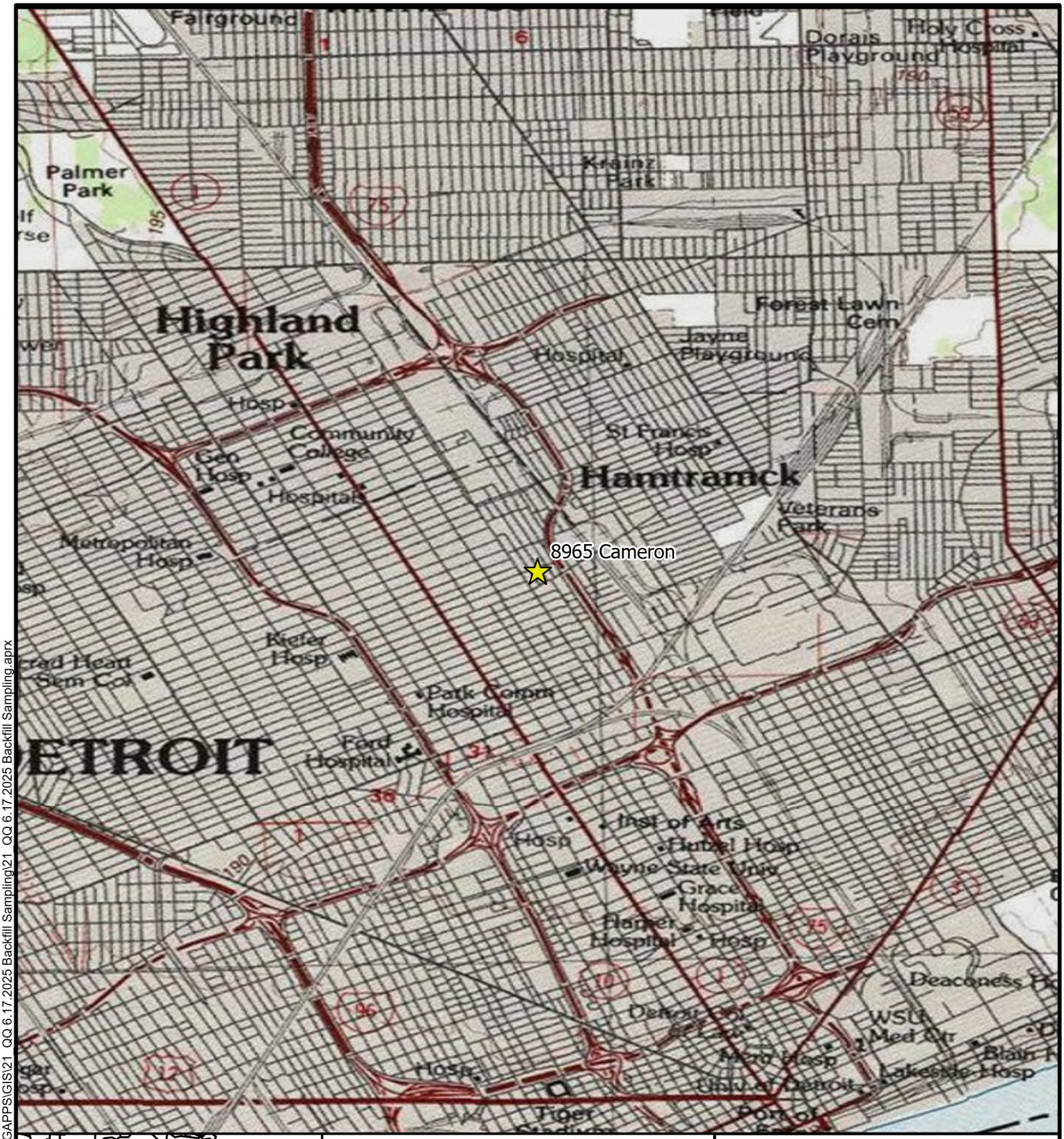
- The stratigraphy encountered during soil boring advancement of 8965 SB-01, 8965 SB-02, and 8965 SB-03 generally consisted of one to six feet of heavily mixed dark gray clay with gravel, brick sand, silt, asphalt, and concrete underlain in two borings by dark gray clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.2 to 10.5 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.
- Concentrations of arsenic were detected in soil samples 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), and 8965 SB-03 (1-2') in excess of its respective Part 201 DWPC and GSIPC. Concentrations of arsenic were detected in 8965 SB-01 (5-6') and 8965 SB-03 (1-2') in excess of its DCC. Concentrations of total chromium were detected in soil samples 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), and 8965 SB-03 (1-2') in excess of its GSIPC. Concentrations of phenanthrene were detected in soil samples 8965 SB-02 (3-4') in excess of its GSIPC and SVIAP.
- Concentrations of arsenic, chromium, and phenanthrene were detected in soil samples 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), and/or 8965 SB-03 (1-2') in excess of their respective Part 201 DWPC, GSIPC, DCC and/or SVIAP.
- Concentrations of 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, anthracene, arsenic, barium, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, cadmium, copper, chloride, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, lead, mercury, phenanthrene, pyrene, total chromium, and zinc were detected in the soil samples 8965 SB-01 (5-6'), 8965 SB-02 (3-4'), and/or 8965 SB-03 (1-2') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- TCLP laboratory analytical results revealed that concentrations of arsenic, chromium, SVOCs, and pesticides were not in excess of *40 C.F.R. § 261.24 Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter I - Solid Wastes, Part 261- Identification and Listing of Hazardous Waste, Subpart C - Characteristics of Hazardous Waste.*
- VOCs, PCBs, pesticides, and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the 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

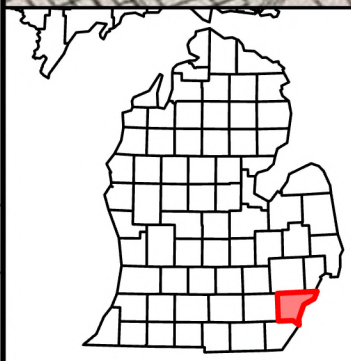
air pathway is not currently complete, however, consideration may need to be given to this pathway if future construction is planned. Given that the site is residential, exceedances of direct contact criteria may merit further consideration.

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.

FIGURES





★ Site Location

0 0.5 1

Miles

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FIGURE 1

SITE LOCATION

8965 Cameron, Detroit, MI

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
9/23/2025	JWW	JWW	DETR0060

Basemap Source: ESRI USA_Topo_Maps Web Service

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

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FIGURE 2

Site Layout

8965 Cameron, Detroit, MI

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

Date Saved: 9/22/2025 8:38 PM
Path: W:\Projects\Projects A-E\DETR0060\ENGAPPS\GIS\21_QQ 6.17.2025 Backfill Sampling\21_QQ 6.17.2025 Backfill Sampling.aprx

TABLES

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
8965 Cameron, 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)														Michigan 10 Metals										Pesticides/Herbicides	Polychlorinated Biphenyls (PCBs)	Inorganic Anions/Ions
				Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Benzo(a)pyrene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	Arsenic	Barium (B)	Cadmium (B)	Chromium (Total)	Copper (B)	Lead (B)	Mercury (B,Z)	Selenium (B)	Silver (B)	Zinc (B)			Chloride
CAS Number				83-32-9	120-12-7	56-55-3	205-99-2	207-08-9	191-24-2	50-32-8	218-01-9	206-44-0	86-73-7	193-39-5	90-12-0	91-57-6	85-01-8	129-00-0	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			16887006
Statewide Default Background Levels				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000			NA
Drinking Water Protection Criteria (DWPC)				3.0E+05	41,000	NLL	NLL	NLL	NLL	NLL	NLL	7.3E+05	3.9E+05	NLL	NA	57,000	56,000	4.8E+05	4,600	1.3E+06	6,000	30,000	5.8E+06	7.0E+05	1,700	4,000	4,500	2.4E+06			5.00E+06
Groundwater Surface Water Interface Protection Criteria (GSIPC)				8,700	ID	NLL	NLL	NLL	NLL	NLL	NLL	5,500	5,300	NLL	NA	4,200	2,100	ID	4,600	(G)	(G,X)	3,300	(G)	(G,X)	50 (M); 1.2	400	100 (M); 27	(G)			(X)
Soil Volatilization to Indoor Air Inhalation (SVIIC)				1.9E+08	1.0E+09 (D)	NLV	ID	NLV	NLV	NLV	ID	1.0E+09 (D)	5.8E+08	NLV	NA	2.7E+06	2.8E+06	1.0E+09 (D)	NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV			NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)				2.0E+05	1.3E+07	1.6E+05 (MM)	NA	NA	NA	NA	NA	NA	4.7E+05	NA	--	1,700	1,700	2.5E+07	NA	NA	NA	--	NA	NA	22 (M)	NA	NA	NA			--
Infinite Source Volatile Soil Inhalation Criteria (VSIC)				8.1E+07	1.4E+09	NLV	ID	NLV	NLV	NLV	ID	7.4E+08	1.3E+08	NLV	NA	1.5E+06	1.6E+05	6.5E+08	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV			NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)				8.1E+07	1.4E+09	NLV	ID	NLV	NLV	NLV	ID	7.4E+08	1.3E+08	NLV	NA	1.5E+06	1.6E+05	6.5E+08	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV			NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)				8.1E+07	1.4E+09	NLV	ID	NLV	NLV	NLV	ID	7.4E+08	1.3E+08	NLV	NA	1.5E+06	1.6E+05	6.5E+08	NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV			NLV
Particulate Soil Inhalation Criteria (PSIC)				1.4E+10	6.7E+10	ID	ID	ID	8.0E+08	1.5E+06	ID	9.3E+09	9.3E+09	ID	NA	6.7E+08	6.7E+06	6.7E+09	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			ID
Direct Contact Criteria (DCC)				4.1E+07	2.3E+08	20,000	20,000	2.0E+05	2.5E+06	2,000	2.0E+06	4.6E+07	2.7E+07	20,000	NA	8.1E+06	1.6E+06	2.9E+07	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			5.0E+5 (F)
Soil Saturation Concentration Screening Levels (C_{sat})				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA
Recommended Interim Action Screening Level (RIASL)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7E-02	NA	NA	NA			--
SAMPLE ID	DEPTH (ft)	SAMPLE DATE																												
8965 SB01	5-6	8/8/2025	ND	<148	**266**	**546**	**650**	**281**	**310**	**473**	**532**	**1,060**	<148	**399**	**222**	**266**	**606**	**1,180**	**9,030**	**67,200**	**239**	**20,400**	**30,600**	**68,200**	**40.9**	<327	<327	**107,000**	ND	ND	**104,000**
8965 SB02	3-4	8/8/2025	ND	**296**	**546**	**1,630**	**1,990**	**744**	**1,050**	**1,520**	**1,440**	**3,670**	**206**	**1,090**	<89.6	<89.6	**2,680**	**3,670**	**7,110**	**46,000**	**217**	**20,000**	**18,800**	**45,400**	**64.2**	<327	<327	**81,700**	ND	ND	**86,600**
8965 SB03	1-2	8/8/2025	ND	<18.9	<18.9	**28.4**	**53**	**53**	**18.9**	**20.8**	<18.9	**37.8**	<18.9	**19**	<18.9	<18.9	<18.9	**43.5**	**11,800**	**75,900**	<137	**24,900**	**21,000**	**10,800**	<20.7	<342	<342	**62,200**	ND	ND	**73,100**
8965 Cameron SB01 - R	5-6	10/27/2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS

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

Table 2
TCLP Analytical Detection Summary

Detroit Backfill Sampling
8965 Cameron, 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 *Units: mg/L*		**TCLP Metals**		**TCLP Semivolatile Organic Compounds (SVOCs)**												**TCLP Pesticides**						
		Arsenic	Chromium	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dinitrotoluene	2-Methylphenol	3&4-Methylphenol	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Nitrobenzene	Pentachlorophenol	Pyridine	Chlordane, Technical	Endrin	Lindane	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
Maximum Concentration of Contaminants for the Toxicity Characteristic		5.00	5.00	7.5	400.0	2.0	10.0	-	-	0.13	0.5	3.0	2.0	100.0	5.0	-	0.002	0.4	0.008	0.008	10.0	0.5
SAMPLE ID	SAMPLE DATE																					
8965 Cameron SB02-3 TCLP	10/7/2025	<0.0499	<0.0499	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.10	NS	NS	NS	NS	NS	NS	NS
8965 Cameron SB01 (5-6')-R	10/27/2025	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0000341	<0.00000854	<0.00000834	<0.00000762	<0.00000796	<0.00000992	<0.00011
8965 Cameron SB02 (3-4') TCLP	1/13/2026	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0000337	<0.00000844	<0.00000825	<0.00000754	<0.00000787	<0.00000981	<0.000109

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

APPENDIX A

LIMITATIONS

LIMITATIONS

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

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

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

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

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

APPENDIX B

DAILY FIELD REPORTS

DAILY FIELD REPORT

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

Date: 08/8/2025 **Day:** Friday
MSG Personnel: WRD, ZRG, JDF
Personnel: MSG
MSG Hours On-Site: 1 hour

Temp:	81º F	**(AM)**	85º F	**(PM)**
Cloud Cover:	~15%	**(AM)**	~15%	**(PM)**
Precip.:	None	**(AM)**	None	**(PM)**

Contractors Information

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

Summary of Work Performed:

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

Field Notes:

- 1156 – ZRG, WRD, & JDF onsite (8965 Cameron St)
- 1157 – Unloaded equipment and checked boring locations
- 1158 – Began drilling SB01
- 1207 – Finished drilling SB01
- 1208 – Began drilling SB02
- 1213 – Finished drilling SB02
- 1214 – Began drilling SB03
- 1223 – Finished drilling SB03
- 1225 – Sampled 8965 SB01 (5-6')
- 1230 – Sampled 8965 SB02 (3-4')
- 1235 – Sampled 8965 SB03 (1-2')
- 1246 – Packed up equipment
- 1259 – MSG off site

Supporting Documentation

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

Problem Identification and Corrective Measures

N/A

Resolved? Yes ☐ No ☐

DAILY FIELD REPORT

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

Date: 10/7/2025 **Day:** Tuesday
MSG Personnel: SRK, JF
Personnel: MSG
MSG Hours On-Site: ~ 1 hours

Temp:	N/A	**(AM)**	60 º F	**(PM)**
Cloud Cover:	N/A	**(AM)**	100%	**(PM)**
Precip.:	N/A	**(AM)**	Light Rain	**(PM)**

Contractors Information

Contractor:	No. Men and Type:	Equipment Type:
MSG	2; Operator/Geologist	Geoprobe 7822DT

Summary of Work Performed:

- Advanced two (2) onsite soil borings to a maximum depth of 6 feet below ground surface (bgs)
- Collected TCLP of fill material from each soil boring (composite sample of each boring from zero to 6 feet bgs).

Field Notes:

- 1225 – MSG (SRK, JF) onsite (8965 Cameron)
- 1228 – Attempted to locate previous boring locations. Marked out new boring locations.
- 1238 – Began drilling SB03 TCLP
- 1240 – Finished drilling SB03 TCLP
- 1243 – Began drilling SB02 TCLP
- 1245 – Finished drilling SB02 TCLP
- 1255 – Sampled 8965 Cameron SB02-3 TCLP
- 1300 – Collected GPS points
- 1310 – Packed up equipment
- 1320 – MSG off site

Supporting Documentation

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

Problem Identification and Corrective Measures

N/A

Resolved? Yes ☐ No ☐

DAILY FIELD REPORT

Client: City of Detroit Demolition Department
Project: Sampling and Analysis of Fill Material
Report No.: 3
Job No.: DETR0060

Date: 10/27/2025 **Day:** Monday

Temp:	49 º F	**(AM)**	N/A	**(PM)**
Cloud Cover:	~5%	**(AM)**	N/A	**(PM)**
Precip.:	N/A	**(AM)**	N/A	**(PM)**

MSG Personnel: KW, JDF

Personnel: MSG

MSG Hours On-Site: ~ 0.8 hours

Contractors Information

Contractor:	No. Men and Type:	Equipment Type:
MSG	2; Operator/Geologist	Geoprobe 7822DT

Summary of Work Performed:

- Advanced one (1) onsite soil borings to a maximum depth of 6 feet below ground surface (bgs)
- Collected soil sample from soil boring (from the interval 5-6' to analyze for pesticides and herbicides)

Field Notes:

- 0850 – MSG (KF, JDF) onsite (8965 Cameron)
- 0900 – Attempted to locate previous boring locations. Marked out new boring location.
- 0915 – Began drilling SB01 (5-6')-R
- 0925 – Finished drilling SB01 (5-6')-R
- 0930 – Sampled 8965 Cameron SB01 (5-6')-R
- 0933 – Packed up equipment
- 0938 – MSG off site

Supporting Documentation

	Yes	No		Yes	No		Yes	No
Photograph Taken	☒	☐	Samples Collected	☒	☐	Boring/MW Logs	☐	☒
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: Viewing 8649 SB01 Drilling, Facing North.

Photo 3: Viewing 8649 SB01 Soils, Facing North.

Photo 4: Viewing 8649 SB02 Drilling, Facing North.

Photo 5: Viewing 8649 SB02 Soils, Facing North.

Photo 6: Viewing 8649 SB03 Drilling, Facing North.

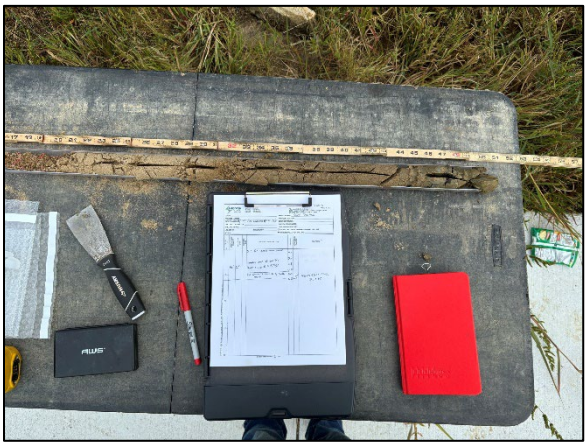


Photo 7: Viewing 8649 SB03 Soils, Facing North.

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

Photo 9: View of TCLP soil boring location

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

Photo 11:View of Site at the time of TCLP soil boring activities

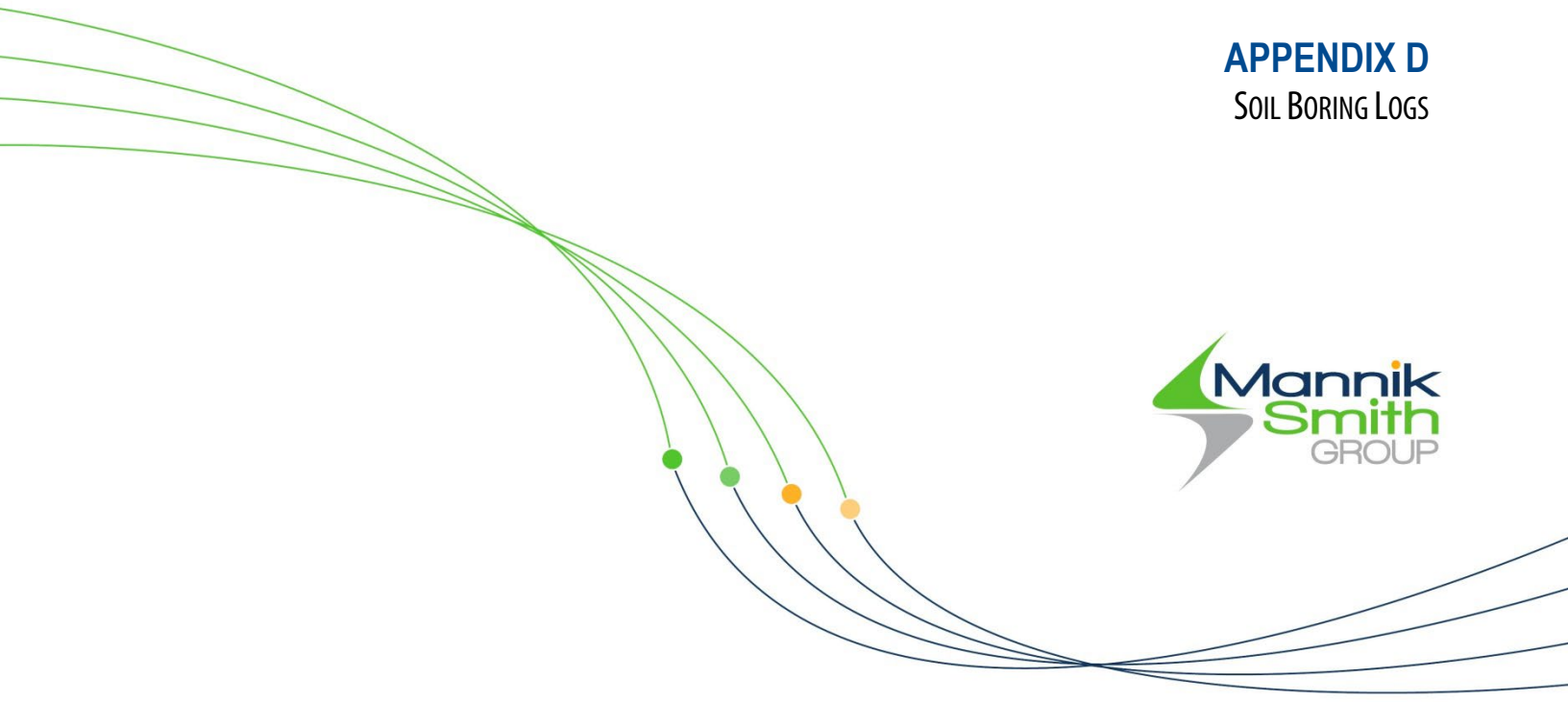
Photo 12: View of Site at the time of supplemental soil boring activities

Photo 13: View of soil recovery associated with supplemental soil sampling activities

Photo 14: Viewing boring location at the time of supplemental soil sampling activities

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

CLIENT City of Detroit
PROJECT NAME Backfill Soil Sampling
PROJECT NUMBER DETR0060.BFS07
PROJECT LOCATION 8965 Cameron, Detroit, MI
DATE STARTED 08-08-2025 **COMPLETED** 08-08-2025
POSITION
DRILLING CONTRACTOR MSG
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
DRILLING METHOD Direct Push
LOGGED BY WRD **CHECKED BY** PDH
EQUIPMENT Geoprobe 7822DT **Operator** JDF
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
	ES	33		Dark Gray CLAY, some Sand, Gravel, Silt, Brick, Asphalt, & Concrete; dry	2.9 3.5 3.6 3.8	
				4.5	5.3	
5				Dark Gray CLAY, some Sand, Gravel, & Organics; moist	10.5	Collected soil sample 8965 SB01 (5-6) at 12:25
				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
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BOREHOLE NUMBER SB02

CLIENT City of Detroit
PROJECT NAME Backfill Soil Sampling
PROJECT NUMBER DETR0060.BFS07
PROJECT LOCATION 8965 Cameron, Detroit, MI
DATE STARTED 08-08-2025 **COMPLETED** 08-08-2025
POSITION
DRILLING CONTRACTOR MSG
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
DRILLING METHOD Direct Push
LOGGED BY WRD **CHECKED BY** PDH
EQUIPMENT Geoprobe 7822DT **Operator** JDF
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
0				Dark Gray CLAY, Sand, Silt, Asphalt, & Concrete; dry	0.8	
					1.1	
	ES	33			0.5	Collected soil sample 8965 SB02 (3-4) at 12:30
					0.7	
5					0.8	
				6.0	0.7	
				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

CLIENT City of Detroit
PROJECT NAME Backfill Soil Sampling
PROJECT NUMBER DETR0060.BFS07
PROJECT LOCATION 8965 Cameron, Detroit, MI
DATE STARTED 08-08-2025 **COMPLETED** 08-08-2025
POSITION
DRILLING CONTRACTOR MSG
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
DRILLING METHOD Direct Push
LOGGED BY WRD **CHECKED BY** PDH
EQUIPMENT Geoprobe 7822DT **Operator** JDF
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
				Dark Gray CLAY, some Sand & Silt, little Brick & Concrete; dry	0.2	
				1.0		
				Dark Gray CLAY, trace Sand & Gravel; moist	0.6	Collected soil sample 8965 SB03 (1-2) at 12:35
	ES	42			0.6	
					0.6	
5					0.5	
				6.0	0.5	
				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 CHAIN OF CUSTODY FORMS

right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order

HN2511176

Client

The Mannik & Smith Group, Inc.

Project

8965_Cameron

Project Date

August 09, 2025

Reporting Contact

Ryan Montri

right solutions.
right partner.

August 27, 2025

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

Work Order: **HN2511176**

Re: **8965_Cameron**

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

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

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

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Bill Carey
/S/ BILL CAREY

Project Manager

Client: The Mannik & Smith Group, Inc. **Work Order:** HN2511176

Project: 8965_Cameron **Date Received:** 09-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 09-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 8270E-FULL HN-3546-S

Run ID: 3419281

The concentration in the Method Blank was greater than the Method Detection Limit. Positive results in the batch may be biased high for this analyte: 1,1'-Biphenyl.
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: 1,2-Dinitrobenzene; 1,3-Dinitrobenzene; 1,4-Dinitrobenzene; 2,4-Dinitrophenol; 2,4-Dinitrotoluene; 2-Nitroaniline; 2-Nitrophenol; 4,6-Dinitro-2-methylphenol; N-Nitrosodimethylamine.
The MSD recoveries are unavailable due to dilution below the calibration range. See QC report.
The matrix spike recoveries are unavailable due to dilution below the calibration range. See QC report.
Surrogates were not spiked in the LCS, MS, or MSD during extraction.
The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: 1,3-Dinitrobenzene; 1,4-Dinitrobenzene.
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.
HN2511176-001: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

HN2511176-002: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

HN2511176-001: 2,4,6-Tribromophenol - One or more surrogate recoveries were below the lower control limit due to sample dilution.
HN2511176-003: Benzo(k)fluoranthene - Split Peak could not be resolved. Sample results should be considered estimated for the following analytes: Benzo(b)fluoranthene; Benzo(k)fluoranthene.
HN2511176-003: Benzo(b)fluoranthene - Split Peak could not be resolved. Sample results should be considered estimated for the following analytes: Benzo(b)fluoranthene; Benzo(k)fluoranthene.

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

Run ID: 3399793

Samples have low surrogate recovery. Control charting demonstrated consistent recovery below control limits. Acceptable surrogate limit lowered to 72% recovery.

EPA 8151A-S

Client: The Mannik & Smith Group, Inc. **Work Order:** HN2511176

Project: 8965_Cameron **Date Received:** 09-Aug-2025

CASE NARRATIVE

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

Run ID: 3418604

The LCS recovery was below the lower control limit but the MS and MSD recoveries were within acceptable limits. All surrogate recoveries for the samples were also within acceptable limits and results were nondetectable. The data is reported with qualification.
LCS not spiked due to lab error. Refer to MS/MSD and Surrogate recoveries for acceptable performance.

EPA 8082A-3546-S (High)

Run ID: 3417671

HN2511176-001: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: TCMX
HN2511176-001: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: DCB
HN2511176-001: The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Aroclor 1016
HN2511176-002: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: TCMX
HN2511176-002: The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Aroclor 1016
HN2511176-002: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: DCB
HN2511176-003: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: DCB
HN2511176-003: The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Aroclor 1016
HN2511176-003: The Continuing Calibration Verification did not meet method acceptance criteria for the following analytes, results are to be considered estimated: TCMX

Metals

EPA 6020B-3050B-S

Run ID: 3397219

The MSD recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ca Mg Mn batch 2157029
The MS recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ca Mg Mn batch 2157029

Run ID: 3404829

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: Fe, Zn Batch 2157029
The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba, Cr, Pb, V Batch 2157029
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: Cu, Ni Batch 2157029
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: Fe, Zn Batch 2157029
The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Ba, Cr, Pb, V Batch 2157029

Inorganics

EPA 9056A-S (High)

Run ID: 3403361

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): Chloride, Bromide
Matrix spike value was outside upper limit of calibration. Processed at equivalent dilution level as the parent - Chloride.

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: 8965 SB01 (5-6)			Lab ID: HN2511176-001		
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
1-Methylnaphthalene	222		148	µg/kg	EPA 8270E
2-Methylnaphthalene	266		148	µg/kg	EPA 8270E
Anthracene	266		148	µg/kg	EPA 8270E
Arsenic	9.03		3.27	mg/kg	EPA 6020B
Barium	67.2		0.327	mg/kg	EPA 6020B
Benzo(a)anthracene	546		148	µg/kg	EPA 8270E
Benzo(a)pyrene	473		148	µg/kg	EPA 8270E
Benzo(b)fluoranthene	650		148	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	310		148	µg/kg	EPA 8270E
Benzo(k)fluoranthene	281		148	µg/kg	EPA 8270E
Cadmium	0.239		0.131	mg/kg	EPA 6020B
Chloride	104		11.6	mg/kg	EPA 9056A
Chromium	20.4		3.27	mg/kg	EPA 6020B
Chrysene	532		148	µg/kg	EPA 8270E
Copper	30.6		3.27	mg/kg	EPA 6020B
Fluoranthene	1060		148	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	399		148	µg/kg	EPA 8270E
Lead	68.2		0.327	mg/kg	EPA 6020B
Mercury	0.0409		0.0218	mg/kg	EPA 7471B
Percent Moisture	13.4		0.1	%	EPA 3550C
Phenanthrene	606		148	µg/kg	EPA 8270E
Pyrene	1180		148	µg/kg	EPA 8270E
Zinc	107		6.53	mg/kg	EPA 6020B

CLIENT ID: 8965 SB02 (3-4)			Lab ID: HN2511176-002		
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Acenaphthene	296		89.6	µg/kg	EPA 8270E
Anthracene	546		89.6	µg/kg	EPA 8270E
Arsenic	7.11		3.27	mg/kg	EPA 6020B
Barium	46.0		0.327	mg/kg	EPA 6020B
Benzo(a)anthracene	1630		89.6	µg/kg	EPA 8270E
Benzo(a)pyrene	1520		89.6	µg/kg	EPA 8270E
Benzo(b)fluoranthene	1990		89.6	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	1050		89.6	µg/kg	EPA 8270E
Benzo(k)fluoranthene	744		89.6	µg/kg	EPA 8270E
Cadmium	0.217		0.131	mg/kg	EPA 6020B
Chloride	86.6		11.9	mg/kg	EPA 9056A
Chromium	20.0		3.27	mg/kg	EPA 6020B
Chrysene	1440		89.6	µg/kg	EPA 8270E
Copper	18.8		3.27	mg/kg	EPA 6020B
Fluoranthene	3670		89.6	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: 8965 SB02 (3-4)		Lab ID: HN2511176-002			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Fluorene	206		89.6	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	1090		89.6	µg/kg	EPA 8270E
Lead	45.4		0.327	mg/kg	EPA 6020B
Mercury	0.0642		0.0200	mg/kg	EPA 7471B
Percent Moisture	15.9		0.1	%	EPA 3550C
Phenanthrene	2680		89.6	µg/kg	EPA 8270E
Pyrene	3670		89.6	µg/kg	EPA 8270E
Zinc	81.7		6.54	mg/kg	EPA 6020B

CLIENT ID: 8965 SB03 (1-2)		Lab ID: HN2511176-003			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Arsenic	11.8		3.42	mg/kg	EPA 6020B
Barium	75.9		0.342	mg/kg	EPA 6020B
Benzo(a)anthracene	28.4		18.9	µg/kg	EPA 8270E
Benzo(a)pyrene	20.8		18.9	µg/kg	EPA 8270E
Benzo(b)fluoranthene	53.0		18.9	µg/kg	EPA 8270E
Benzo(g,h,i)perylene	18.9		18.9	µg/kg	EPA 8270E
Benzo(k)fluoranthene	53.0		18.9	µg/kg	EPA 8270E
Chloride	73.1		12.0	mg/kg	EPA 9056A
Chromium	24.9		3.42	mg/kg	EPA 6020B
Copper	21.0		3.42	mg/kg	EPA 6020B
Fluoranthene	37.8		18.9	µg/kg	EPA 8270E
Indeno(1,2,3-cd) pyrene	18.9		18.9	µg/kg	EPA 8270E
Lead	10.8		0.342	mg/kg	EPA 6020B
Percent Moisture	17.6		0.1	%	EPA 3550C
Pyrene	43.5		18.9	µg/kg	EPA 8270E
Zinc	62.2		6.85	mg/kg	EPA 6020B

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: 8965_Cameron
Workorder: HN2511176

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2511176-001	8965 SB01 (5-6)	SOIL/SOLID	08/08/25 12:25	08/09/25 08:00
HN2511176-002	8965 SB02 (3-4)	SOIL/SOLID	08/08/25 12:30	08/09/25 08:00
HN2511176-003	8965 SB03 (1-2)	SOIL/SOLID	08/08/25 12:35	08/09/25 08:00

ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

ALS Project Manager: | **Work Order #:**

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	8965_Cameron	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	8965 SB01 (5-6)	8/8/25	1225	Soil	METH	3	X	X	X	X	X	X	X				
2	8965 SB02 (3-4)	"	1230	Soil	"	3	X	X	X	X	X	X	X				
3	8965 SB03 (1-2)	"	1235	Soil	"	3	X	X	X	X	X	X	X				
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Environmental Division Holland

Work Order Reference HN2511176

Telephone : +1 616 399 6070

Sampler(s): Please Print & Sign WILEY DAVENPORT

Shipment Method:

Required Turnaround Time: ☐ STD 10 Wk Days ☑ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Relinquished by:	**Date:** 8/8/25	**Time:** 1545	**Received by:**	**Notes:**	Quote# HN-061825-M&S-M
Relinquished by:	**Date:** 8/8/25	**Time:** 1700	**Received by (Laboratory):**	**Cooler Temp.**	
Logged by (Laboratory):	**Date:**	**Time:**	**Checked by (Laboratory):**		

QC Package: (Check Box Below)

- ☐ Level II: Standard QC
- ☐ Level III: Std QC + Raw Data
- ☐ Level IV: SW846 CLP-Like
- ☐ TRRP-Checklist
- ☐ TRRP Level IV
- ☐ Other: _____

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

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

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

https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Holland Sample Receiving Checklist

Received by:	BC
Date/Time:	8/11/25 0850
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):	4.0°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:	8/11/25 09:30
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 Certifications[1]

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. **Work Order:** HN2511176
Project: 8965_Cameron

Sample Name: 8965 SB01 (5-6) **Date Collected:** 08/08/25
Laboratory Code: HN2511176-001 **Date Received:** 08/09/25
Sample Matrix: SOIL/SOLID

Analysis Method	Container ID	Preparation	Prepared By	Analysis Lot	Analyzed By
EPA 3550C	001-AC	2154810		3391474	Nicole Maleski
EPA 6020B	001-AC	2157029	Chloe Patrick	3397219	Denise Coffey
EPA 6020B	001-AC	2157029	Chloe Patrick	3404829	Hunter Johnson
EPA 7471B	001-AC	2157131	Maxx Richey	3399126	Maxx Richey
EPA 8081B	001-AC	2166097	Sam Bruzan	3440418	Madison VandenBer
EPA 8082A	001-AC	2166112	Sam Bruzan	3417671	Nathaniel Dietlin
EPA 8151A	001-AC	2168251	Sam Bruzan	3418604	Kathy Malmyga
EPA 8260D	001-AA	2153855	Jonathan Vazquez	3399793	Sean Bradfield
EPA 8260D	001-AA	2153855	Jonathan Vazquez	3404799	Sean Bradfield
EPA 8260D	001-AA	2166529	Jonathan Vazquez	3418210	John Garvale
EPA 8270E	001-AC	2166163	Sam Bruzan	3419281	Erin Wall
EPA 9056A	001-AC	2158214	Quoc Nguyen	3403361	Quoc Nguyen

Sample Name: 8965 SB02 (3-4) **Date Collected:** 08/08/25
Laboratory Code: HN2511176-002 **Date Received:** 08/09/25
Sample Matrix: SOIL/SOLID

Analysis Method	Container ID	Preparation	Prepared By	Analysis Lot	Analyzed By
EPA 3550C	002-AC	2154810		3391474	Nicole Maleski
EPA 6020B	002-AC	2157029	Chloe Patrick	3397219	Denise Coffey
EPA 6020B	002-AC	2157029	Chloe Patrick	3404829	Hunter Johnson
EPA 7471B	002-AC	2157131	Maxx Richey	3399126	Maxx Richey
EPA 8081B	002-AC	2166097	Sam Bruzan	3440418	Madison VandenBer
EPA 8082A	002-AC	2166112	Sam Bruzan	3417671	Nathaniel Dietlin
EPA 8151A	002-AC	2168251	Sam Bruzan	3418604	Kathy Malmyga
EPA 8260D	002-AA	2153855	Jonathan Vazquez	3399793	Sean Bradfield
EPA 8260D	002-AA	2153855	Jonathan Vazquez	3404799	Sean Bradfield
EPA 8260D	002-AA	2166529	Jonathan Vazquez	3418210	John Garvale
EPA 8270E	002-AC	2166163	Sam Bruzan	3419281	Erin Wall
EPA 9056A	002-AC	2158214	Quoc Nguyen	3403361	Quoc Nguyen

ANALYST SUMMARY

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron		

Sample Name:	8965 SB03 (1-2)	**Date Collected:**	08/08/25
Laboratory Code:	HN2511176-003	**Date Received:**	08/09/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Container ID	Preparation	Prepared By	Analysis Lot	Analyzed By
EPA 3550C	003-AC	2154810		3391474	Nicole Maleski
EPA 6020B	003-AC	2157029	Chloe Patrick	3397219	Denise Coffey
EPA 6020B	003-AC	2157029	Chloe Patrick	3404829	Hunter Johnson
EPA 7471B	003-AC	2157131	Maxx Richey	3399126	Maxx Richey
EPA 8081B	003-AC	2166097	Sam Bruzan	3426221	Madison VandenBer
EPA 8082A	003-AC	2166112	Sam Bruzan	3417671	Nathaniel Dietlin
EPA 8151A	003-AC	2168251	Sam Bruzan	3418604	Kathy Malmyga
EPA 8260D	003-AA	2153855	Jonathan Vazquez	3399793	Sean Bradfield
EPA 8260D	003-AA	2153855	Jonathan Vazquez	3404799	Sean Bradfield
EPA 8260D	003-AA	2166529	Jonathan Vazquez	3418210	John Garvale
EPA 8270E	003-AC	2166163	Sam Bruzan	3419281	Erin Wall
EPA 9056A	003-AC	2158214	Quoc Nguyen	3403361	Quoc Nguyen

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:25
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**13.4**		%	0.1	1	08/12/25 13:29	NA
Chloride	EPA 9056A	**104**		mg/kg	11.6	1	08/14/25 14:15	08/13/25 16:10
Metals								
Arsenic	EPA 6020B	**9.03**		mg/kg	3.27	10	08/15/25 15:18	08/13/25 08:35
Barium	EPA 6020B	**67.2**		mg/kg	0.327	1	08/15/25 00:30	08/13/25 08:35
Cadmium	EPA 6020B	**0.239**		mg/kg	0.131	1	08/15/25 00:30	08/13/25 08:35
Chromium	EPA 6020B	**20.4**		mg/kg	3.27	10	08/15/25 15:18	08/13/25 08:35
Copper	EPA 6020B	**30.6**		mg/kg	3.27	10	08/15/25 15:18	08/13/25 08:35
Lead	EPA 6020B	**68.2**		mg/kg	0.327	1	08/15/25 00:30	08/13/25 08:35
Selenium	EPA 6020B	ND		mg/kg	0.327	1	08/15/25 00:30	08/13/25 08:35
Silver	EPA 6020B	ND		mg/kg	0.327	1	08/15/25 00:30	08/13/25 08:35
Zinc	EPA 6020B	**107**		mg/kg	6.53	10	08/15/25 15:18	08/13/25 08:35
Mercury	EPA 7471B	**0.0409**		mg/kg	0.0218	1	08/14/25 09:18	08/14/25 07:47
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
4,4'-DDE	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
4,4'-DDT	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Aldrin	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
alpha-BHC	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
beta-BHC	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Chlordane, Technical	EPA 8081B	ND		µg/kg	2880	100	08/26/25 20:31	08/18/25 15:24
cis-Chlordane	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
delta-BHC	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Dieldrin	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Endosulfan I	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Endosulfan II	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Endosulfan sulfate	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Endrin	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Endrin aldehyde	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Endrin ketone	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
gamma-BHC (Lindane)	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:25
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Heptachlor	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Heptachlor epoxide	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Methoxychlor	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Toxaphene	EPA 8081B	ND		µg/kg	6920	100	08/26/25 20:31	08/18/25 15:24
trans-Chlordane	EPA 8081B	ND		µg/kg	1150	100	08/26/25 20:31	08/18/25 15:24
Surr: Decachlorobiphenyl	*EPA 8081B*	***150***		*%REC*	*53-151*	*100*	*08/26/25 20:31*	*08/18/25 15:24*
Surr: Tetrachloro-m-xylene	*EPA 8081B*	***85.0***		*%REC*	*67-127*	*100*	*08/26/25 20:31*	*08/18/25 15:24*
Semivolatile Organic Compounds by GC								
Aroclor 1016	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1221	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1232	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1242	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1248	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1254	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1260	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1262	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Aroclor 1268	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Total PCB	EPA 8082A	ND		µg/kg	76.9	1	08/19/25 00:52	08/18/25 13:21
Surr: Decachlorobiphenyl	*EPA 8082A*	***94.5***		*%REC*	*54-146*	*1*	*08/19/25 00:52*	*08/18/25 13:21*
Surr: Tetrachloro-m-xylene	*EPA 8082A*	***79.1***		*%REC*	*58-140*	*1*	*08/19/25 00:52*	*08/18/25 13:21*
2,4,5-T	EPA 8151A	ND	S	µg/kg	5.72	1	08/21/25 14:47	08/19/25 12:30
2,4,5-TP (Silvex)	EPA 8151A	ND	S	µg/kg	5.72	1	08/21/25 14:47	08/19/25 12:30
2,4-D	EPA 8151A	ND	S	µg/kg	11.4	1	08/21/25 14:47	08/19/25 12:30
Surr: DCAA	*EPA 8151A*	***62.0***		*%REC*	*10-116*	*1*	*08/21/25 14:47*	*08/19/25 12:30*
Semivolatile Organic Compounds by GC-MS								
1,1'-Biphenyl (BZ-0)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
1,2,4,5-Tetrachlorobenzene	EPA 8270E	ND		µg/kg	7380	20	08/21/25 00:24	08/18/25 11:43
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	ND		µg/kg	3690	20	08/21/25 00:24	08/18/25 11:43
1-Methylnaphthalene	EPA 8270E	**222**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:25
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
2,3,4,6-Tetrachlorophenol	EPA 8270E	ND		µg/kg	1480	20	08/21/25 00:24	08/18/25 11:43
2,4,5-Trichlorophenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2,4,6-Trichlorophenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2,4-Dichlorophenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2,4-Dimethylphenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2,4-Dinitrophenol	EPA 8270E	ND		µg/kg	7380	20	08/21/25 00:24	08/18/25 11:43
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2-Chloronaphthalene	EPA 8270E	ND		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
2-Chlorophenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2-Methylnaphthalene	EPA 8270E	**266**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
2-Methylphenol (o-Cresol)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2-Nitroaniline	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
2-Nitrophenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
3&4-Methylphenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
3,3'-Dichlorobenzidine	EPA 8270E	ND		µg/kg	3690	20	08/21/25 00:24	08/18/25 11:43
3-Nitroaniline	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
4-Chloro-3-methylphenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
4-Chloroaniline	EPA 8270E	ND		µg/kg	1480	20	08/21/25 00:24	08/18/25 11:43
4-Chlorophenyl phenylether	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
4-Nitroaniline	EPA 8270E	ND		µg/kg	3690	20	08/21/25 00:24	08/18/25 11:43
4-Nitrophenol	EPA 8270E	ND		µg/kg	7380	20	08/21/25 00:24	08/18/25 11:43
Acenaphthene	EPA 8270E	ND		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Acenaphthylene	EPA 8270E	ND		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Acetophenone	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Anthracene	EPA 8270E	**266**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Atrazine	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Benzaldehyde	EPA 8270E	ND		µg/kg	1480	20	08/21/25 00:24	08/18/25 11:43

Client: The Mannik & Smith Group, Inc.
Project: 8965_Cameron
Matrix: SOIL/SOLID

Work Order: HN2511176
Date Collected: 08/08/25 12:25
Date Received: 08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Benzo(a)anthracene	EPA 8270E	**546**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Benzo(a)pyrene	EPA 8270E	**473**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Benzo(b)fluoranthene	EPA 8270E	**650**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Benzo(g,h,i)perylene	EPA 8270E	**310**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Benzo(k)fluoranthene	EPA 8270E	**281**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
bis(2-Chloroethoxy) methane	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
bis(2-Chloroethyl) ether	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Butyl benzyl phthalate	EPA 8270E	ND		µg/kg	1480	20	08/21/25 00:24	08/18/25 11:43
Caprolactam	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Carbazole	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Chrysene	EPA 8270E	**532**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Dibenz(a,h) anthracene	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Dibenzofuran	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Diethyl phthalate	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Dimethyl phthalate	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Di-n-butyl phthalate	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Di-n-octyl phthalate	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Fluoranthene	EPA 8270E	**1060**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Fluorene	EPA 8270E	ND		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Hexachlorobenzene	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Hexachlorobutadiene	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Hexachlorocyclopentadiene	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Hexachloroethane	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Indeno(1,2,3-cd) pyrene	EPA 8270E	**399**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Isophorone	EPA 8270E	ND		µg/kg	3690	20	08/21/25 00:24	08/18/25 11:43
Methylphenol, Total	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Naphthalene	EPA 8270E	ND		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Nitrobenzene	EPA 8270E	ND		µg/kg	3690	20	08/21/25 00:24	08/18/25 11:43
n-Nitrosodi-n-propylamine	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
N-Nitrosodiphenylamine	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:25
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Pentachlorophenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Phenanthrene	EPA 8270E	**606**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Phenol	EPA 8270E	ND		µg/kg	731	20	08/21/25 00:24	08/18/25 11:43
Pyrene	EPA 8270E	**1180**		µg/kg	148	20	08/21/25 00:24	08/18/25 11:43
Pyridine	EPA 8270E	ND		µg/kg	3690	20	08/21/25 00:24	08/18/25 11:43
Surr: 2,4,6-Tribromophenol	*EPA 8270E*	***38.8***	*S*	*%REC*	*48-94*	*20*	*08/21/25 00:24*	*08/18/25 11:43*
Surr: 2-Fluorobiphenyl	*EPA 8270E*	***58.8***		*%REC*	*50-103*	*20*	*08/21/25 00:24*	*08/18/25 11:43*
Surr: 2-Fluorophenol	*EPA 8270E*	***47.6***		*%REC*	*43-105*	*20*	*08/21/25 00:24*	*08/18/25 11:43*
Surr: 4-Terphenyl-d14	*EPA 8270E*	***67.2***		*%REC*	*55-111*	*20*	*08/21/25 00:24*	*08/18/25 11:43*
Surr: Nitrobenzene-d5	*EPA 8270E*	***68.8***		*%REC*	*47-100*	*20*	*08/21/25 00:24*	*08/18/25 11:43*
Surr: Phenol-d6	*EPA 8270E*	***52.4***		*%REC*	*49-110*	*20*	*08/21/25 00:24*	*08/18/25 11:43*
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	88.7	1	08/13/25 22:19	08/11/25 17:02

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:25
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	296	1	08/13/25 22:19	08/11/25 17:02
2-Hexanone	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Acetone	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
Benzene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Bromochloromethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Bromodichloromethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Bromoform	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Carbon disulfide	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Carbon tetrachloride	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Chlorobenzene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Chlorodibromomethane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
Chloroform	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	88.7	1	08/13/25 22:19	08/11/25 17:02
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Cyclohexane	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
Ethylbenzene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Isopropylbenzene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
m+p-Xylene	EPA 8260D	ND		µg/kg	88.7	1	08/13/25 22:19	08/11/25 17:02
Methyl acetate	EPA 8260D	ND		µg/kg	370	1	08/13/25 22:19	08/11/25 17:02
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	148	1	08/13/25 22:19	08/11/25 17:02
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Methylcyclohexane	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	370	1	08/13/25 22:19	08/11/25 17:02

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:25
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB01 (5-6) **Lab ID: HN2511176-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
o-Xylene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Styrene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Toluene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Total Xylene	EPA 8260D	ND		µg/kg	133	1	08/13/25 22:19	08/11/25 17:02
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	44.3	1	08/13/25 22:19	08/11/25 17:02
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***98.8***		*%REC*	*80-120*	*1*	*08/13/25 22:19*	*08/11/25 17:02*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***99.4***		*%REC*	*80-120*	*1*	*08/13/25 22:19*	*08/11/25 17:02*
Surr: Dibromofluoromethane	*EPA 8260D*	***81.5***		*%REC*	*80-120*	*1*	*08/13/25 22:19*	*08/11/25 17:02*
Surr: Toluene-d8	*EPA 8260D*	***99.2***		*%REC*	*80-120*	*1*	*08/13/25 22:19*	*08/11/25 17:02*

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**15.9**		%	0.1	1	08/12/25 13:29	NA
Chloride	EPA 9056A	**86.6**		mg/kg	11.9	1	08/14/25 14:23	08/13/25 16:10
Metals								
Arsenic	EPA 6020B	**7.11**		mg/kg	3.27	10	08/15/25 15:20	08/13/25 08:35
Barium	EPA 6020B	**46.0**		mg/kg	0.327	1	08/15/25 00:32	08/13/25 08:35
Cadmium	EPA 6020B	**0.217**		mg/kg	0.131	1	08/15/25 00:32	08/13/25 08:35
Chromium	EPA 6020B	**20.0**		mg/kg	3.27	10	08/15/25 15:20	08/13/25 08:35
Copper	EPA 6020B	**18.8**		mg/kg	3.27	10	08/15/25 15:20	08/13/25 08:35
Lead	EPA 6020B	**45.4**		mg/kg	0.327	1	08/15/25 00:32	08/13/25 08:35
Selenium	EPA 6020B	ND		mg/kg	0.327	1	08/15/25 00:32	08/13/25 08:35
Silver	EPA 6020B	ND		mg/kg	0.327	1	08/15/25 00:32	08/13/25 08:35
Zinc	EPA 6020B	**81.7**		mg/kg	6.54	10	08/15/25 15:20	08/13/25 08:35
Mercury	EPA 7471B	**0.0642**		mg/kg	0.0200	1	08/14/25 09:20	08/14/25 07:47
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
4,4'-DDE	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
4,4'-DDT	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Aldrin	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
alpha-BHC	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
beta-BHC	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Chlordane, Technical	EPA 8081B	ND		µg/kg	2950	100	08/26/25 20:46	08/18/25 15:24
cis-Chlordane	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
delta-BHC	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Dieldrin	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Endosulfan I	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Endosulfan II	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Endosulfan sulfate	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Endrin	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Endrin aldehyde	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Endrin ketone	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
gamma-BHC (Lindane)	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Heptachlor	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Heptachlor epoxide	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Methoxychlor	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Toxaphene	EPA 8081B	ND		µg/kg	7080	100	08/26/25 20:46	08/18/25 15:24
trans-Chlordane	EPA 8081B	ND		µg/kg	1180	100	08/26/25 20:46	08/18/25 15:24
Surr: Decachlorobiphenyl	*EPA 8081B*	***175***	*S*	*%REC*	*53-151*	*100*	*08/26/25 20:46*	*08/18/25 15:24*
Surr: Tetrachloro-m-xylene	*EPA 8081B*	***100***		*%REC*	*67-127*	*100*	*08/26/25 20:46*	*08/18/25 15:24*
Semivolatile Organic Compounds by GC								
Aroclor 1016	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1221	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1232	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1242	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1248	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1254	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1260	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1262	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Aroclor 1268	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Total PCB	EPA 8082A	ND		µg/kg	78.7	1	08/19/25 01:03	08/18/25 13:21
Surr: Decachlorobiphenyl	*EPA 8082A*	***118***		*%REC*	*54-146*	*1*	*08/19/25 01:03*	*08/18/25 13:21*
Surr: Tetrachloro-m-xylene	*EPA 8082A*	***92.8***		*%REC*	*58-140*	*1*	*08/19/25 01:03*	*08/18/25 13:21*
2,4,5-T	EPA 8151A	ND	S	µg/kg	5.90	1	08/21/25 15:00	08/19/25 12:30
2,4,5-TP (Silvex)	EPA 8151A	ND	S	µg/kg	5.90	1	08/21/25 15:00	08/19/25 12:30
2,4-D	EPA 8151A	ND	S	µg/kg	11.8	1	08/21/25 15:00	08/19/25 12:30
Surr: DCAA	*EPA 8151A*	***56.0***		*%REC*	*10-116*	*1*	*08/21/25 15:00*	*08/19/25 12:30*
Semivolatile Organic Compounds by GC-MS								
1,1'-Biphenyl (BZ-0)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
1,2,4,5-Tetrachlorobenzene	EPA 8270E	ND		µg/kg	4470	5	08/21/25 00:46	08/18/25 11:43
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	ND		µg/kg	2240	5	08/21/25 00:46	08/18/25 11:43
1-Methylnaphthalene	EPA 8270E	ND		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
2,3,4,6-Tetrachlorophenol	EPA 8270E	ND		µg/kg	896	5	08/21/25 00:46	08/18/25 11:43
2,4,5-Trichlorophenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2,4,6-Trichlorophenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2,4-Dichlorophenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2,4-Dimethylphenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2,4-Dinitrophenol	EPA 8270E	ND		µg/kg	4470	5	08/21/25 00:46	08/18/25 11:43
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2-Chloronaphthalene	EPA 8270E	ND		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
2-Chlorophenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2-Methylnaphthalene	EPA 8270E	ND		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
2-Methylphenol (o-Cresol)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2-Nitroaniline	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
2-Nitrophenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
3&4-Methylphenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
3,3'-Dichlorobenzidine	EPA 8270E	ND		µg/kg	2240	5	08/21/25 00:46	08/18/25 11:43
3-Nitroaniline	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
4-Chloro-3-methylphenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
4-Chloroaniline	EPA 8270E	ND		µg/kg	896	5	08/21/25 00:46	08/18/25 11:43
4-Chlorophenyl phenylether	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
4-Nitroaniline	EPA 8270E	ND		µg/kg	2240	5	08/21/25 00:46	08/18/25 11:43
4-Nitrophenol	EPA 8270E	ND		µg/kg	4470	5	08/21/25 00:46	08/18/25 11:43
Acenaphthene	EPA 8270E	**296**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Acenaphthylene	EPA 8270E	ND		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Acetophenone	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Anthracene	EPA 8270E	**546**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Atrazine	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Benzaldehyde	EPA 8270E	ND		µg/kg	896	5	08/21/25 00:46	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Benzo(a)anthracene	EPA 8270E	**1630**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Benzo(a)pyrene	EPA 8270E	**1520**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Benzo(b)fluoranthene	EPA 8270E	**1990**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Benzo(g,h,i)perylene	EPA 8270E	**1050**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Benzo(k)fluoranthene	EPA 8270E	**744**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
bis(2-Chloroethoxy) methane	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
bis(2-Chloroethyl) ether	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Butyl benzyl phthalate	EPA 8270E	ND		µg/kg	896	5	08/21/25 00:46	08/18/25 11:43
Caprolactam	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Carbazole	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Chrysene	EPA 8270E	**1440**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Dibenz(a,h) anthracene	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Dibenzofuran	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Diethyl phthalate	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Dimethyl phthalate	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Di-n-butyl phthalate	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Di-n-octyl phthalate	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Fluoranthene	EPA 8270E	**3670**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Fluorene	EPA 8270E	**206**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Hexachlorobenzene	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Hexachlorobutadiene	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Hexachlorocyclopentadiene	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Hexachloroethane	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Indeno(1,2,3-cd) pyrene	EPA 8270E	**1090**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Isophorone	EPA 8270E	ND		µg/kg	2240	5	08/21/25 00:46	08/18/25 11:43
Methylphenol, Total	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Naphthalene	EPA 8270E	ND		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Nitrobenzene	EPA 8270E	ND		µg/kg	2240	5	08/21/25 00:46	08/18/25 11:43
n-Nitrosodi-n-propylamine	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
N-Nitrosodiphenylamine	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Pentachlorophenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Phenanthrene	EPA 8270E	**2680**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Phenol	EPA 8270E	ND		µg/kg	443	5	08/21/25 00:46	08/18/25 11:43
Pyrene	EPA 8270E	**3670**		µg/kg	89.6	5	08/21/25 00:46	08/18/25 11:43
Pyridine	EPA 8270E	ND		µg/kg	2240	5	08/21/25 00:46	08/18/25 11:43
Surr: 2,4,6-Tribromophenol	*EPA 8270E*	***76.0***		*%REC*	*48-94*	*5*	*08/21/25 00:46*	*08/18/25 11:43*
Surr: 2-Fluorobiphenyl	*EPA 8270E*	***72.5***		*%REC*	*50-103*	*5*	*08/21/25 00:46*	*08/18/25 11:43*
Surr: 2-Fluorophenol	*EPA 8270E*	***75.1***		*%REC*	*43-105*	*5*	*08/21/25 00:46*	*08/18/25 11:43*
Surr: 4-Terphenyl-d14	*EPA 8270E*	***87.8***		*%REC*	*55-111*	*5*	*08/21/25 00:46*	*08/18/25 11:43*
Surr: Nitrobenzene-d5	*EPA 8270E*	***79.0***		*%REC*	*47-100*	*5*	*08/21/25 00:46*	*08/18/25 11:43*
Surr: Phenol-d6	*EPA 8270E*	***75.9***		*%REC*	*49-110*	*5*	*08/21/25 00:46*	*08/18/25 11:43*
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	71.5	1	08/13/25 22:42	08/11/25 17:02

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	238	1	08/13/25 22:42	08/11/25 17:02
2-Hexanone	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Acetone	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
Benzene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Bromochloromethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Bromodichloromethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Bromoform	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Carbon disulfide	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Carbon tetrachloride	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Chlorobenzene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Chlorodibromomethane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
Chloroform	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	71.5	1	08/13/25 22:42	08/11/25 17:02
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Cyclohexane	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
Ethylbenzene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Isopropylbenzene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
m+p-Xylene	EPA 8260D	ND		µg/kg	71.5	1	08/13/25 22:42	08/11/25 17:02
Methyl acetate	EPA 8260D	ND		µg/kg	298	1	08/13/25 22:42	08/11/25 17:02
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	119	1	08/13/25 22:42	08/11/25 17:02
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Methylcyclohexane	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	298	1	08/13/25 22:42	08/11/25 17:02

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:30
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB02 (3-4) **Lab ID: HN2511176-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
o-Xylene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Styrene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Toluene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Total Xylene	EPA 8260D	ND		µg/kg	107	1	08/13/25 22:42	08/11/25 17:02
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	35.8	1	08/13/25 22:42	08/11/25 17:02
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***98.4***		*%REC*	*80-120*	*1*	*08/13/25 22:42*	*08/11/25 17:02*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***101***		*%REC*	*80-120*	*1*	*08/13/25 22:42*	*08/11/25 17:02*
Surr: Dibromofluoromethane	*EPA 8260D*	***80.8***		*%REC*	*80-120*	*1*	*08/13/25 22:42*	*08/11/25 17:02*
Surr: Toluene-d8	*EPA 8260D*	***99.9***		*%REC*	*80-120*	*1*	*08/13/25 22:42*	*08/11/25 17:02*

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:35
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**17.6**		%	0.1	1	08/12/25 13:29	NA
Chloride	EPA 9056A	**73.1**		mg/kg	12.0	1	08/14/25 14:31	08/13/25 16:10
Metals								
Arsenic	EPA 6020B	**11.8**		mg/kg	3.42	10	08/15/25 15:22	08/13/25 08:35
Barium	EPA 6020B	**75.9**		mg/kg	0.342	1	08/15/25 00:37	08/13/25 08:35
Cadmium	EPA 6020B	ND		mg/kg	0.137	1	08/15/25 00:37	08/13/25 08:35
Chromium	EPA 6020B	**24.9**		mg/kg	3.42	10	08/15/25 15:22	08/13/25 08:35
Copper	EPA 6020B	**21.0**		mg/kg	3.42	10	08/15/25 15:22	08/13/25 08:35
Lead	EPA 6020B	**10.8**		mg/kg	0.342	1	08/15/25 00:37	08/13/25 08:35
Selenium	EPA 6020B	ND		mg/kg	0.342	1	08/15/25 00:37	08/13/25 08:35
Silver	EPA 6020B	ND		mg/kg	0.342	1	08/15/25 00:37	08/13/25 08:35
Zinc	EPA 6020B	**62.2**		mg/kg	6.85	10	08/15/25 15:22	08/13/25 08:35
Mercury	EPA 7471B	ND		mg/kg	0.0207	1	08/14/25 09:22	08/14/25 07:47
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
4,4'-DDE	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
4,4'-DDT	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Aldrin	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
alpha-BHC	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
beta-BHC	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Chlordane, Technical	EPA 8081B	ND		µg/kg	49.8	1	08/21/25 23:16	08/18/25 15:24
cis-Chlordane	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
delta-BHC	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Dieldrin	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Endosulfan I	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Endosulfan II	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Endosulfan sulfate	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Endrin	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Endrin aldehyde	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Endrin ketone	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
gamma-BHC (Lindane)	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24

Client: The Mannik & Smith Group, Inc.
Project: 8965_Cameron
Matrix: SOIL/SOLID

Work Order: HN2511176
Date Collected: 08/08/25 12:35
Date Received: 08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Heptachlor	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Heptachlor epoxide	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Methoxychlor	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Toxaphene	EPA 8081B	ND		µg/kg	120	1	08/21/25 23:16	08/18/25 15:24
trans-Chlordane	EPA 8081B	ND		µg/kg	19.9	1	08/21/25 23:16	08/18/25 15:24
Surr: Decachlorobiphenyl	*EPA 8081B*	***92.6***		*%REC*	*53-151*	*1*	*08/21/25 23:16*	*08/18/25 15:24*
Surr: Tetrachloro-m-xylene	*EPA 8081B*	***88.4***		*%REC*	*67-127*	*1*	*08/21/25 23:16*	*08/18/25 15:24*
Semivolatile Organic Compounds by GC								
Aroclor 1016	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1221	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1232	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1242	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1248	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1254	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1260	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1262	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Aroclor 1268	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Total PCB	EPA 8082A	ND		µg/kg	133	1	08/19/25 01:15	08/18/25 13:21
Surr: Decachlorobiphenyl	*EPA 8082A*	***106***		*%REC*	*54-146*	*1*	*08/19/25 01:15*	*08/18/25 13:21*
Surr: Tetrachloro-m-xylene	*EPA 8082A*	***95.9***		*%REC*	*58-140*	*1*	*08/19/25 01:15*	*08/18/25 13:21*
2,4,5-T	EPA 8151A	ND	S	µg/kg	5.79	1	08/21/25 15:13	08/19/25 12:30
2,4,5-TP (Silvex)	EPA 8151A	ND	S	µg/kg	5.79	1	08/21/25 15:13	08/19/25 12:30
2,4-D	EPA 8151A	ND	S	µg/kg	11.6	1	08/21/25 15:13	08/19/25 12:30
Surr: DCAA	*EPA 8151A*	***64.0***		*%REC*	*10-116*	*1*	*08/21/25 15:13*	*08/19/25 12:30*
Semivolatile Organic Compounds by GC-MS								
1,1'-Biphenyl (BZ-0)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
1,2,4,5-Tetrachlorobenzene	EPA 8270E	ND		µg/kg	945	1	08/20/25 20:47	08/18/25 11:43
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	ND		µg/kg	473	1	08/20/25 20:47	08/18/25 11:43
1-Methylnaphthalene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl) ether	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:35
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
2,3,4,6-Tetrachlorophenol	EPA 8270E	ND		µg/kg	189	1	08/20/25 20:47	08/18/25 11:43
2,4,5-Trichlorophenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2,4,6-Trichlorophenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2,4-Dichlorophenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2,4-Dimethylphenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2,4-Dinitrophenol	EPA 8270E	ND		µg/kg	945	1	08/20/25 20:47	08/18/25 11:43
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2-Chloronaphthalene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
2-Chlorophenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2-Methylnaphthalene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
2-Methylphenol (o-Cresol)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2-Nitroaniline	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
2-Nitrophenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
3&4-Methylphenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
3,3'-Dichlorobenzidine	EPA 8270E	ND		µg/kg	473	1	08/20/25 20:47	08/18/25 11:43
3-Nitroaniline	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
4-Chloro-3-methylphenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
4-Chloroaniline	EPA 8270E	ND		µg/kg	189	1	08/20/25 20:47	08/18/25 11:43
4-Chlorophenyl phenylether	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
4-Nitroaniline	EPA 8270E	ND		µg/kg	473	1	08/20/25 20:47	08/18/25 11:43
4-Nitrophenol	EPA 8270E	ND		µg/kg	945	1	08/20/25 20:47	08/18/25 11:43
Acenaphthene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Acenaphthylene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Acetophenone	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Anthracene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Atrazine	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Benzaldehyde	EPA 8270E	ND		µg/kg	189	1	08/20/25 20:47	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:35
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Benzo(a)anthracene	EPA 8270E	**28.4**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Benzo(a)pyrene	EPA 8270E	**20.8**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Benzo(b)fluoranthene	EPA 8270E	**53.0**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Benzo(g,h,i)perylene	EPA 8270E	**18.9**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Benzo(k)fluoranthene	EPA 8270E	**53.0**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
bis(2-Chloroethoxy) methane	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
bis(2-Chloroethyl) ether	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Butyl benzyl phthalate	EPA 8270E	ND		µg/kg	189	1	08/20/25 20:47	08/18/25 11:43
Caprolactam	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Carbazole	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Chrysene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl) phthalate, DEHP)	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Dibenz(a,h) anthracene	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Dibenzofuran	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Diethyl phthalate	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Dimethyl phthalate	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Di-n-butyl phthalate	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Di-n-octyl phthalate	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Fluoranthene	EPA 8270E	**37.8**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Fluorene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Hexachlorobenzene	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Hexachlorobutadiene	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Hexachlorocyclopentadiene	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Hexachloroethane	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Indeno(1,2,3-cd) pyrene	EPA 8270E	**18.9**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Isophorone	EPA 8270E	ND		µg/kg	473	1	08/20/25 20:47	08/18/25 11:43
Methylphenol, Total	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Naphthalene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Nitrobenzene	EPA 8270E	ND		µg/kg	473	1	08/20/25 20:47	08/18/25 11:43
n-Nitrosodi-n-propylamine	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
N-Nitrosodiphenylamine	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:35
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Pentachlorophenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Phenanthrene	EPA 8270E	ND		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Phenol	EPA 8270E	ND		µg/kg	93.6	1	08/20/25 20:47	08/18/25 11:43
Pyrene	EPA 8270E	**43.5**		µg/kg	18.9	1	08/20/25 20:47	08/18/25 11:43
Pyridine	EPA 8270E	ND		µg/kg	473	1	08/20/25 20:47	08/18/25 11:43
Surr: 2,4,6-Tribromophenol	*EPA 8270E*	***76.8***		*%REC*	*48-94*	*1*	*08/20/25 20:47*	*08/18/25 11:43*
Surr: 2-Fluorobiphenyl	*EPA 8270E*	***77.3***		*%REC*	*50-103*	*1*	*08/20/25 20:47*	*08/18/25 11:43*
Surr: 2-Fluorophenol	*EPA 8270E*	***77.6***		*%REC*	*43-105*	*1*	*08/20/25 20:47*	*08/18/25 11:43*
Surr: 4-Terphenyl-d14	*EPA 8270E*	***91.3***		*%REC*	*55-111*	*1*	*08/20/25 20:47*	*08/18/25 11:43*
Surr: Nitrobenzene-d5	*EPA 8270E*	***82.0***		*%REC*	*47-100*	*1*	*08/20/25 20:47*	*08/18/25 11:43*
Surr: Phenol-d6	*EPA 8270E*	***84.9***		*%REC*	*49-110*	*1*	*08/20/25 20:47*	*08/18/25 11:43*
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	85.7	1	08/13/25 23:05	08/11/25 17:02

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:35
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	286	1	08/13/25 23:05	08/11/25 17:02
2-Hexanone	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Acetone	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
Benzene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Bromochloromethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Bromodichloromethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Bromoform	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Carbon disulfide	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Carbon tetrachloride	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Chlorobenzene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Chlorodibromomethane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
Chloroform	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	85.7	1	08/13/25 23:05	08/11/25 17:02
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Cyclohexane	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
Ethylbenzene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Isopropylbenzene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
m+p-Xylene	EPA 8260D	ND		µg/kg	85.7	1	08/13/25 23:05	08/11/25 17:02
Methyl acetate	EPA 8260D	ND		µg/kg	357	1	08/13/25 23:05	08/11/25 17:02
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	143	1	08/13/25 23:05	08/11/25 17:02
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Methylcyclohexane	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	357	1	08/13/25 23:05	08/11/25 17:02

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	08/08/25 12:35
Matrix:	SOIL/SOLID	**Date Received:**	08/09/25 08:00

CLIENT ID: 8965 SB03 (1-2) **Lab ID: HN2511176-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
o-Xylene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Styrene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Toluene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Total Xylene	EPA 8260D	ND		µg/kg	129	1	08/13/25 23:05	08/11/25 17:02
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	42.9	1	08/13/25 23:05	08/11/25 17:02
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***97.2***		*%REC*	*80-120*	*1*	*08/13/25 23:05*	*08/11/25 17:02*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***98.4***		*%REC*	*80-120*	*1*	*08/13/25 23:05*	*08/11/25 17:02*
Surr: Dibromofluoromethane	*EPA 8260D*	***80.8***		*%REC*	*80-120*	*1*	*08/13/25 23:05*	*08/11/25 17:02*
Surr: Toluene-d8	*EPA 8260D*	***98.8***		*%REC*	*80-120*	*1*	*08/13/25 23:05*	*08/11/25 17:02*

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2154810	**Run ID:**	3391474

General Chemistry Parameters

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2154810-001**

Method: EPA 3550C | **Dilution:** 1 | **Analysis Date:** 08/12/25 13:29 | **Prep Date:** NA

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

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2154810-002**

Method: EPA 3550C | **Dilution:** 1 | **Analysis Date:** 08/12/25 13:29 | **Prep Date:** NA

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

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2158214	**Run ID:**	3403361

General Chemistry Parameters

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2158214-001**

Method: EPA 9056A | **Dilution:** 1 | **Analysis Date:** 08/14/25 13:19 | **Prep Date:** 08/13/25 16:11

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

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2158214-002**

Method: EPA 9056A | **Dilution:** 1 | **Analysis Date:** 08/14/25 13:27 | **Prep Date:** 08/13/25 16:11

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chloride	99.2	mg/kg	10.0	100		99.2	87-110			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2157029	**Run ID:**	3397219

Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2157029-001**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 08/14/25 23:31 | **Prep Date:** 08/13/25 08:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	ND	mg/kg	0.250							
Barium	ND	mg/kg	0.250							
Cadmium	ND	mg/kg	0.100							
Lead	ND	mg/kg	0.250							
Selenium	ND	mg/kg	0.250							
Silver	ND	mg/kg	0.250							
Zinc	ND	mg/kg	0.500							

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2157029-002**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 08/14/25 23:33 | **Prep Date:** 08/13/25 08:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	9.39	mg/kg	0.250	10		93.9	80-120			
Barium	10.3	mg/kg	0.250	10		103	80-120			
Cadmium	10.2	mg/kg	0.100	10		102	80-120			
Lead	10.1	mg/kg	0.250	10		101	80-120			
Selenium	9.77	mg/kg	0.250	10		97.7	80-120			
Silver	9.76	mg/kg	0.250	10		97.6	80-120			
Zinc	8.98	mg/kg	0.500	10		89.8	80-120			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2157029	**Run ID:**	3404829

Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2157029-001**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 08/15/25 14:31 | **Prep Date:** 08/13/25 08:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chromium	ND	mg/kg	0.250							
Copper	ND	mg/kg	0.250							

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2157029-002**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 08/15/25 14:33 | **Prep Date:** 08/13/25 08:36

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chromium	9.69	mg/kg	0.250	10		96.9	80-120			
Copper	9.71	mg/kg	0.250	10		97.1	80-120			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2157131	**Run ID:**	3399126

Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2157131-001**

Method: EPA 7471B | **Dilution:** 1 | **Analysis Date:** 08/14/25 08:30 | **Prep Date:** 08/14/25 07:48

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

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2157131-002**

Method: EPA 7471B | **Dilution:** 1 | **Analysis Date:** 08/14/25 08:49 | **Prep Date:** 08/14/25 07:48

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Mercury	0.157	mg/kg	0.0200	0.1665		94.1	80-120			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166097	**Run ID:**	3422193

Organochlorine Pesticides by GC/ECD

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2166097-001**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 08/20/25 19:21 | **Prep Date:** 08/18/25 15:25

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	ND	µg/kg	10.0							
4,4'-DDE	ND	µg/kg	10.0							
4,4'-DDT	ND	µg/kg	10.0							
Aldrin	ND	µg/kg	10.0							
alpha-BHC	ND	µg/kg	10.0							
beta-BHC	ND	µg/kg	10.0							
Chlordane, Technical	ND	µg/kg	25.0							
cis-Chlordane	ND	µg/kg	10.0							
delta-BHC	ND	µg/kg	10.0							
Dieldrin	ND	µg/kg	10.0							
Endosulfan I	ND	µg/kg	10.0							
Endosulfan II	ND	µg/kg	10.0							
Endosulfan sulfate	ND	µg/kg	10.0							
Endrin	ND	µg/kg	10.0							
Endrin aldehyde	ND	µg/kg	10.0							
Endrin ketone	ND	µg/kg	10.0							
gamma-BHC (Lindane)	ND	µg/kg	10.0							
Heptachlor	ND	µg/kg	10.0							
Heptachlor epoxide	ND	µg/kg	10.0							
Methoxychlor	ND	µg/kg	10.0							
Toxaphene	ND	µg/kg	60.0							
trans-Chlordane	ND	µg/kg	10.0							
Surr: Decachlorobiphenyl	***36.0***	*µg/kg*		33.33		108	*53-151*			
Surr: Tetrachloro-m-xylene	***35.5***	*µg/kg*		33.33		106	*67-127*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2166097-002**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 08/20/25 19:35 | **Prep Date:** 08/18/25 15:25

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	36.0	µg/kg	10.0	33.33		108	55-141			
4,4'-DDE	35.2	µg/kg	10.0	33.33		106	55-143			
4,4'-DDT	36.7	µg/kg	10.0	33.33		110	50-144			
Aldrin	39.5	µg/kg	10.0	33.33		118	57-141			
alpha-BHC	39.1	µg/kg	10.0	33.33		117	58-144			
beta-BHC	38.4	µg/kg	10.0	33.33		115	55-147			
cis-Chlordane	37.2	µg/kg	10.0	33.33		112	58-142			
delta-BHC	36.2	µg/kg	10.0	33.33		108	59-142			
Dieldrin	37.7	µg/kg	10.0	33.33		113	59-142			
Endosulfan I	37.6	µg/kg	10.0	33.33		113	57-145			
Endosulfan II	37.2	µg/kg	10.0	33.33		112	58-138			
Endosulfan sulfate	36.2	µg/kg	10.0	33.33		109	54-136			
Endrin	36.8	µg/kg	10.0	33.33		110	45-150			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166097	**Run ID:**	3422193

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2166097-002

Method: EPA 8081B **Dilution:** 1 **Analysis Date:** 08/20/25 19:35

Prep Date: 08/18/25 15:25

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	40.0	µg/kg	10.0	33.33		120	41-147			
Endrin ketone	36.4	µg/kg	10.0	33.33		109	54-146			
gamma-BHC (Lindane)	38.0	µg/kg	10.0	33.33		114	58-145			
Heptachlor	36.5	µg/kg	10.0	33.33		110	51-145			
Heptachlor epoxide	37.1	µg/kg	10.0	33.33		111	59-143			
Methoxychlor	34.6	µg/kg	10.0	33.33		104	43-144			
trans-Chlordane	37.5	µg/kg	10.0	33.33		112	56-145			
Surr: Decachlorobiphenyl	***36.0***	*µg/kg*		33.33		108	*51-151*			
Surr: Tetrachloro-m-xylene	***36.2***	*µg/kg*		33.33		109	*67-127*			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166112	**Run ID:**	3418329

Semivolatile Organic Compounds by GC

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2166112-001**

Method: EPA 8082A | **Dilution:** 1 | **Analysis Date:** 08/20/25 05:27 | **Prep Date:** 08/18/25 13:22

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	ND	µg/kg	66.7							
Aroclor 1221	ND	µg/kg	66.7							
Aroclor 1232	ND	µg/kg	66.7							
Aroclor 1242	ND	µg/kg	66.7							
Aroclor 1248	ND	µg/kg	66.7							
Aroclor 1254	ND	µg/kg	66.7							
Aroclor 1260	ND	µg/kg	66.7							
Aroclor 1262	ND	µg/kg	66.7							
Aroclor 1268	ND	µg/kg	66.7							
Total PCB	ND	µg/kg	66.7							
Surr: Decachlorobiphenyl	***44.9***	*µg/kg*		33.3		135	*54-146*			
Surr: Tetrachloro-m-xylene	***39.0***	*µg/kg*		33.3		117	*58-140*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2166112-002**

Method: EPA 8082A | **Dilution:** 1 | **Analysis Date:** 08/20/25 05:39 | **Prep Date:** 08/18/25 13:22

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Aroclor 1016	1130	µg/kg	66.7	833		136	71-135			S
Aroclor 1260	1120	µg/kg	66.7	833		134	67-135			
Surr: Decachlorobiphenyl	***49.0***	*µg/kg*		33.3		147	*54-146*			S
Surr: Tetrachloro-m-xylene	***40.3***	*µg/kg*		33.3		121	*58-140*			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2168251	**Run ID:**	3418604

Semivolatile Organic Compounds by GC

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2168251-001**

Method: EPA 8151A | **Dilution:** 1 | **Analysis Date:** 08/21/25 10:44 | **Prep Date:** 08/19/25 12:31

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

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2168251-002**

Method: EPA 8151A | **Dilution:** 1 | **Analysis Date:** 08/21/25 10:57 | **Prep Date:** 08/19/25 12:31

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	ND	µg/kg	5.00	50		0.00	10-119			S
2,4,5-TP (Silvex)	ND	µg/kg	5.00	50		0.00	10-101			S
2,4-D	ND	µg/kg	10.0	50		0.00	10-128			S
Surr: DCAA	*ND*	*µg/kg*		50		0.00	*10-116*			S

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166163	**Run ID:**	3419281

Semivolatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2166163-001

Method: EPA 8270E **Dilution:** 1 **Analysis Date:** 08/20/25 18:56

Prep Date: 08/18/25 11:44

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	ND	µg/kg	33.0							
1,2,4,5-Tetrachlorobenzene	ND	µg/kg	333							
1,4-Dioxane (1,4- Diethyleneoxide)	ND	µg/kg	167							
1-Methylnaphthalene	ND	µg/kg	6.67							
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	ND	µg/kg	33.0							
2,3,4,6-Tetrachlorophenol	ND	µg/kg	67.0							
2,4,5-Trichlorophenol	ND	µg/kg	33.0							
2,4,6-Trichlorophenol	ND	µg/kg	33.0							
2,4-Dichlorophenol	ND	µg/kg	33.0							
2,4-Dimethylphenol	ND	µg/kg	33.0							
2,4-Dinitrophenol	ND	µg/kg	333							
2,4-Dinitrotoluene (2,4-DNT)	ND	µg/kg	33.0							
2,6-Dinitrotoluene (2,6-DNT)	ND	µg/kg	33.0							
2-Chloronaphthalene	ND	µg/kg	6.67							
2-Chlorophenol	ND	µg/kg	33.0							
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	ND	µg/kg	33.0							
2-Methylnaphthalene	ND	µg/kg	6.67							
2-Methylphenol (o-Cresol)	ND	µg/kg	33.0							
2-Nitroaniline	ND	µg/kg	33.0							
2-Nitrophenol	ND	µg/kg	33.0							
3&4-Methylphenol	ND	µg/kg	33.0							
3,3'-Dichlorobenzidine	ND	µg/kg	167							
3-Nitroaniline	ND	µg/kg	33.0							
4-Bromophenyl phenyl ether (BDE-3)	ND	µg/kg	33.0							
4-Chloro-3-methylphenol	ND	µg/kg	33.0							
4-Chloroaniline	ND	µg/kg	67.0							
4-Chlorophenyl phenylether	ND	µg/kg	33.0							
4-Nitroaniline	ND	µg/kg	167							
4-Nitrophenol	ND	µg/kg	333							
Acenaphthene	ND	µg/kg	6.67							
Acenaphthylene	ND	µg/kg	6.67							
Acetophenone	ND	µg/kg	33.0							
Anthracene	ND	µg/kg	6.67							
Atrazine	ND	µg/kg	33.0							
Benzaldehyde	ND	µg/kg	67.0							
Benzo(a)anthracene	ND	µg/kg	6.67							
Benzo(a)pyrene	ND	µg/kg	6.67							
Benzo(b)fluoranthene	ND	µg/kg	6.67							
Benzo(g,h,i)perylene	ND	µg/kg	6.67							
Benzo(k)fluoranthene	ND	µg/kg	6.67							
bis(2-Chloroethoxy)methane	ND	µg/kg	33.0							
bis(2-Chloroethyl) ether	ND	µg/kg	33.0							

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166163	**Run ID:**	3419281

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2166163-001**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 08/20/25 18:56 | **Prep Date:** 08/18/25 11:44

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Butyl benzyl phthalate	ND	µg/kg	67.0							
Caprolactam	ND	µg/kg	33.0							
Carbazole	ND	µg/kg	33.0							
Chrysene	ND	µg/kg	6.67							
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	ND	µg/kg	33.0							
Dibenz(a,h) anthracene	ND	µg/kg	33.0							
Dibenzofuran	ND	µg/kg	33.0							
Diethyl phthalate	ND	µg/kg	33.0							
Dimethyl phthalate	ND	µg/kg	33.0							
Di-n-butyl phthalate	ND	µg/kg	33.0							
Di-n-octyl phthalate	ND	µg/kg	33.0							
Fluoranthene	ND	µg/kg	6.67							
Fluorene	ND	µg/kg	6.67							
Hexachlorobenzene	ND	µg/kg	33.0							
Hexachlorobutadiene	ND	µg/kg	33.0							
Hexachlorocyclopentadiene	ND	µg/kg	33.0							
Hexachloroethane	ND	µg/kg	33.0							
Indeno(1,2,3-cd) pyrene	ND	µg/kg	6.67							
Isophorone	ND	µg/kg	167							
Methylphenol, Total	ND	µg/kg	67.0							
Naphthalene	ND	µg/kg	6.67							
Nitrobenzene	ND	µg/kg	167							
n-Nitrosodi-n-propylamine	ND	µg/kg	33.0							
N-Nitrosodiphenylamine	ND	µg/kg	33.0							
Pentachlorophenol	ND	µg/kg	33.0							
Phenanthrene	ND	µg/kg	6.67							
Phenol	ND	µg/kg	33.0							
Pyrene	ND	µg/kg	6.67							
Pyridine	ND	µg/kg	167							
Surr: 2,4,6-Tribromophenol	***2780***	*µg/kg*		3333		83.4	*48-94*			
Surr: 2-Fluorobiphenyl	***2550***	*µg/kg*		3333		76.5	*50-103*			
Surr: 2-Fluorophenol	***2720***	*µg/kg*		3333		81.5	*43-105*			
Surr: 4-Terphenyl-d14	***3010***	*µg/kg*		3333		90.3	*55-111*			
Surr: Nitrobenzene-d5	***2630***	*µg/kg*		3333		78.8	*47-100*			
Surr: Phenol-d6	***2840***	*µg/kg*		3333		85.1	*49-110*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2166163-002**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 08/20/25 19:18 | **Prep Date:** 08/18/25 11:44

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1'-Biphenyl (BZ-0)	1130	µg/kg	33.0	1333		84.6	57-101			
1,2,4,5-Tetrachlorobenzene	1120	µg/kg	333	1333		83.8	54-98			
1-Methylnaphthalene	1140	µg/kg	6.67	1333		85.8	56-100			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166163	**Run ID:**	3419281

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2166163-002

Method: EPA 8270E **Dilution:** 1 **Analysis Date:** 08/20/25 19:18

Prep Date: 08/18/25 11:44

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	1180	µg/kg	33.0	1333		88.6	50-101			
2,3,4,6-Tetrachlorophenol	1260	µg/kg	67.0	1333		94.3	48-103			
2,4,5-Trichlorophenol	1110	µg/kg	33.0	1333		83.5	54-98			
2,4,6-Trichlorophenol	1060	µg/kg	33.0	1333		79.7	56-97			
2,4-Dichlorophenol	1130	µg/kg	33.0	1333		84.6	54-99			
2,4-Dimethylphenol	1150	µg/kg	33.0	1333		86.6	47-102			
2,4-Dinitrophenol	875	µg/kg	333	1333		65.6	10-100			
2,4-Dinitrotoluene (2,4-DNT)	1320	µg/kg	33.0	1333		98.9	62-105			
2,6-Dinitrotoluene (2,6-DNT)	1280	µg/kg	33.0	1333		96.0	62-103			
2-Chloronaphthalene	1070	µg/kg	6.67	1333		80.6	57-101			
2-Chlorophenol	1090	µg/kg	33.0	1333		81.6	52-102			
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	1300	µg/kg	33.0	1333		97.5	42-104			
2-Methylnaphthalene	1120	µg/kg	6.67	1333		84.0	55-102			
2-Methylphenol (o-Cresol)	1100	µg/kg	33.0	1333		82.3	54-103			
2-Nitroaniline	1370	µg/kg	33.0	1333		103	57-103			
2-Nitrophenol	1320	µg/kg	33.0	1333		99.0	52-102			
3&4-Methylphenol	1150	µg/kg	33.0	1333		86.5	56-103			
3,3'-Dichlorobenzidine	917	µg/kg	167	1333		68.8	41-91			
3-Nitroaniline	977	µg/kg	33.0	1333		73.3	35-107			
4-Bromophenyl phenyl ether (BDE-3)	1190	µg/kg	33.0	1333		89.1	63-104			
4-Chloro-3-methylphenol	1200	µg/kg	33.0	1333		89.7	57-103			
4-Chloroaniline	1160	µg/kg	67.0	1333		87.4	32-99			
4-Chlorophenyl phenylether	1130	µg/kg	33.0	1333		85.1	62-100			
4-Nitroaniline	976	µg/kg	167	1333		73.2	19-124			
4-Nitrophenol	1220	µg/kg	333	1333		91.6	44-106			
Acenaphthene	1100	µg/kg	6.67	1333		82.7	60-101			
Acenaphthylene	1100	µg/kg	6.67	1333		82.4	59-101			
Acetophenone	1120	µg/kg	33.0	1333		83.9	54-102			
Anthracene	1190	µg/kg	6.67	1333		89.2	63-96			
Atrazine	1300	µg/kg	33.0	1333		97.9	60-110			
Benzaldehyde	571	µg/kg	67.0	1333		42.9	10-143			
Benzo(a)anthracene	1140	µg/kg	6.67	1333		85.9	66-102			
Benzo(a)pyrene	1140	µg/kg	6.67	1333		85.7	66-105			
Benzo(b)fluoranthene	1180	µg/kg	6.67	1333		88.6	67-105			
Benzo(g,h,i)perylene	1130	µg/kg	6.67	1333		84.6	59-110			
Benzo(k)fluoranthene	1190	µg/kg	6.67	1333		89.1	68-106			
bis(2-Chloroethoxy)methane	1170	µg/kg	33.0	1333		88.0	54-102			
bis(2-Chloroethyl) ether	1050	µg/kg	33.0	1333		79.0	51-101			
Butyl benzyl phthalate	1190	µg/kg	67.0	1333		89.0	59-107			
Caprolactam	1250	µg/kg	33.0	1333		93.9	49-103			
Carbazole	1140	µg/kg	33.0	1333		85.2	63-103			
Chrysene	1110	µg/kg	6.67	1333		83.3	66-105			
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	1210	µg/kg	33.0	1333		90.6	63-101			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166163	**Run ID:**	3419281

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2166163-002**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 08/20/25 19:18

Prep Date: 08/18/25 11:44

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Dibenz(a,h) anthracene	1080	µg/kg	33.0	1333		80.7	61-109			
Dibenzofuran	1130	µg/kg	33.0	1333		84.5	61-101			
Diethyl phthalate	1190	µg/kg	33.0	1333		89.3	63-105			
Dimethyl phthalate	1150	µg/kg	33.0	1333		86.4	64-104			
Di-n-butyl phthalate	1200	µg/kg	33.0	1333		90.1	66-108			
Di-n-octyl phthalate	1180	µg/kg	33.0	1333		88.3	53-126			
Fluoranthene	1140	µg/kg	6.67	1333		85.7	66-105			
Fluorene	1140	µg/kg	6.67	1333		85.4	62-101			
Hexachlorobenzene	1210	µg/kg	33.0	1333		90.9	61-104			
Hexachlorobutadiene	1120	µg/kg	33.0	1333		84.1	52-99			
Hexachlorocyclopentadiene	1050	µg/kg	33.0	1333		78.8	39-106			
Hexachloroethane	1060	µg/kg	33.0	1333		79.4	59-99			
Indeno(1,2,3-cd) pyrene	1090	µg/kg	6.67	1333		81.6	57-114			
Isophorone	1190	µg/kg	167	1333		89.6	55-101			
Methylphenol, Total	2250	µg/kg	67.0	2667		84.4	54-103			
Naphthalene	1060	µg/kg	6.67	1333		79.2	54-99			
Nitrobenzene	1120	µg/kg	167	1333		84.4	53-100			
n-Nitrosodi-n-propylamine	1260	µg/kg	33.0	1333		94.8	52-104			
N-Nitrosodiphenylamine	1150	µg/kg	33.0	1333		86.3	61-104			
Pentachlorophenol	935	µg/kg	33.0	1333		70.2	35-100			
Phenanthrene	1150	µg/kg	6.67	1333		86.6	64-101			
Phenol	1120	µg/kg	33.0	1333		84.3	51-107			
Pyrene	1230	µg/kg	6.67	1333		92.4	62-114			
Pyridine	821	µg/kg	167	1333		61.6	40-84			
Surr: 2,4,6-Tribromophenol	*ND*	*µg/kg*		3333		0.00	*48-94*			S
Surr: 2-Fluorobiphenyl	*ND*	*µg/kg*		3333		0.00	*50-103*			S
Surr: 2-Fluorophenol	*ND*	*µg/kg*		3333		0.00	*43-105*			S
Surr: 4-Terphenyl-d14	*ND*	*µg/kg*		3333		0.00	*55-111*			S
Surr: Nitrobenzene-d5	*ND*	*µg/kg*		3333		0.00	*47-100*			S
Surr: Phenol-d6	*ND*	*µg/kg*		3333		0.00	*49-110*			S

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2153855	**Run ID:**	3398757

Volatile Organic Compounds by GC-MS

MB	CLIENT ID: Method Blank	Lab ID: QC-2153855-001

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/13/25 13:01

Prep Date: 08/11/25 17:03

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	µg/kg	30.0							
1,1,2,2-Tetrachloroethane	ND	µg/kg	30.0							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	µg/kg	30.0							
1,1,2-Trichloroethane	ND	µg/kg	30.0							
1,1-Dichloroethane	ND	µg/kg	30.0							
1,1-Dichloroethylene	ND	µg/kg	30.0							
1,2,3-Trichlorobenzene	ND	µg/kg	100							
1,2,3-Trichloropropane	ND	µg/kg	30.0							
1,2,4-Trichlorobenzene	ND	µg/kg	100							
1,2,4-Trimethylbenzene	ND	µg/kg	30.0							
1,2-Dibromo-3-chloropropane (DBCP)	ND	µg/kg	100							
1,2-Dibromoethane (EDB, Ethylene dibromide)	ND	µg/kg	30.0							
1,2-Dichlorobenzene (o-Dichlorobenzene)	ND	µg/kg	30.0							
1,2-Dichloroethane (Ethylene dichloride)	ND	µg/kg	100							
1,2-Dichloropropane	ND	µg/kg	30.0							
1,3,5-Trimethylbenzene	ND	µg/kg	100							
1,3-Dichlorobenzene (m-Dichlorobenzene)	ND	µg/kg	30.0							
1,3-Dichloropropene	ND	µg/kg	60.0							
1,4-Dichlorobenzene (p-Dichlorobenzene)	ND	µg/kg	30.0							
2-Butanone (Methyl ethyl ketone, MEK)	ND	µg/kg	200							
2-Hexanone	ND	µg/kg	30.0							
4-Methyl-2-pentanone (MIBK)	ND	µg/kg	30.0							
Acetone	ND	µg/kg	100							
Benzene	ND	µg/kg	30.0							
Bromochloromethane	ND	µg/kg	30.0							
Bromodichloromethane	ND	µg/kg	30.0							
Bromoform	ND	µg/kg	30.0							
Carbon disulfide	ND	µg/kg	30.0							
Carbon tetrachloride	ND	µg/kg	30.0							
Chlorobenzene	ND	µg/kg	30.0							
Chlorodibromomethane	ND	µg/kg	30.0							
Chloroethane (Ethyl chloride)	ND	µg/kg	100							
Chloroform	ND	µg/kg	30.0							
cis & trans-1,2-Dichloroethene	ND	µg/kg	60.0							
cis-1,2-Dichloroethylene	ND	µg/kg	30.0							
cis-1,3-Dichloropropene	ND	µg/kg	30.0							
Cyclohexane	ND	µg/kg	100							
Dichlorodifluoromethane (Freon-12)	ND	µg/kg	100							

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2153855	**Run ID:**	3398757

MB **CLIENT ID: Method Blank** **Lab ID: QC-2153855-001**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/13/25 13:01

Prep Date: 08/11/25 17:03

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Ethylbenzene	ND	µg/kg	30.0							
Isopropylbenzene	ND	µg/kg	30.0							
m+p-Xylene	ND	µg/kg	60.0							
Methyl acetate	ND	µg/kg	250							
Methyl bromide (Bromomethane)	ND	µg/kg	100							
Methyl chloride (Chloromethane)	ND	µg/kg	100							
Methyl tert-butyl ether (MTBE)	ND	µg/kg	30.0							
Methylcyclohexane	ND	µg/kg	30.0							
Methylene chloride (Dichloromethane)	ND	µg/kg	250							
o-Xylene	ND	µg/kg	30.0							
Styrene	ND	µg/kg	30.0							
Tetrachloroethylene (Perchloroethylene)	ND	µg/kg	30.0							
Toluene	ND	µg/kg	30.0							
Total Xylene	ND	µg/kg	90.0							
trans-1,2-Dichloroethylene	ND	µg/kg	30.0							
trans-1,3-Dichloropropylene	ND	µg/kg	30.0							
Trichloroethene (Trichloroethylene)	ND	µg/kg	30.0							
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	ND	µg/kg	30.0							
Vinyl chloride (Chloroethene)	ND	µg/kg	30.0							
Surr: 1,2-Dichloroethane-d4	***1040***	*µg/kg*		1000		104	*80-120*			
Surr: 4-Bromofluorobenzene	***924***	*µg/kg*		1000		92.4	*80-120*			
Surr: Dibromofluoromethane	***964***	*µg/kg*		1000		96.4	*80-120*			
Surr: Toluene-d8	***1040***	*µg/kg*		1000		104	*80-120*			

LCS **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2153855-002**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/13/25 12:12

Prep Date: 08/11/25 17:03

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	850	µg/kg	30.0	1000		85.0	75-121			
1,1,2,2-Tetrachloroethane	891	µg/kg	30.0	1000		89.1	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	882	µg/kg	30.0	1000		88.2	62-129			
1,1,2-Trichloroethane	887	µg/kg	30.0	1000		88.7	80-123			
1,1-Dichloroethane	846	µg/kg	30.0	1000		84.6	74-124			
1,1-Dichloroethylene	909	µg/kg	30.0	1000		90.9	68-131			
1,2,3-Trichlorobenzene	750	µg/kg	100	1000		75.0	60-135			
1,2,3-Trichloropropane	880	µg/kg	30.0	1000		88.0	77-121			
1,2,4-Trichlorobenzene	810	µg/kg	100	1000		81.0	63-130			
1,2,4-Trimethylbenzene	866	µg/kg	30.0	1000		86.6	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	742	µg/kg	100	1000		74.2	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	766	µg/kg	30.0	1000		76.6	63-155			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2153855	**Run ID:**	3398757

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2153855-002

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/13/25 12:12

Prep Date: 08/11/25 17:03

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichlorobenzene (o-Dichlorobenzene)	857	µg/kg	30.0	1000		85.7	77-122			
1,2-Dichloroethane (Ethylene dichloride)	869	µg/kg	100	1000		86.9	70-130			
1,2-Dichloropropane	874	µg/kg	30.0	1000		87.4	71-130			
1,3,5-Trimethylbenzene	862	µg/kg	100	1000		86.2	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	819	µg/kg	30.0	1000		81.9	78-121			
1,3-Dichloropropene	1800	µg/kg	60.0	2000		89.8	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	822	µg/kg	30.0	1000		82.2	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	902	µg/kg	200	1000		90.2	47-164			
2-Hexanone	966	µg/kg	30.0	1000		96.6	70-137			
4-Methyl-2-pentanone (MIBK)	1370	µg/kg	30.0	1000		137	57-200			
Acetone	841	µg/kg	100	1000		84.1	52-190			
Benzene	922	µg/kg	30.0	1000		92.2	78-122			
Bromochloromethane	899	µg/kg	30.0	1000		89.9	68-130			
Bromodichloromethane	958	µg/kg	30.0	1000		95.8	75-125			
Bromoform	811	µg/kg	30.0	1000		81.1	59-120			
Carbon disulfide	1020	µg/kg	30.0	1000		102	60-163			
Carbon tetrachloride	1050	µg/kg	30.0	1000		105	69-123			
Chlorobenzene	873	µg/kg	30.0	1000		87.3	79-120			
Chlorodibromomethane	834	µg/kg	30.0	1000		83.4	57-123			
Chloroethane (Ethyl chloride)	830	µg/kg	100	1000		83.0	38-132			
Chloroform	826	µg/kg	30.0	1000		82.6	72-122			
cis & trans-1,2-Dichloroethene	1730	µg/kg	60.0	2000		86.6	72-127			
cis-1,2-Dichloroethylene	886	µg/kg	30.0	1000		88.6	74-125			
cis-1,3-Dichloropropene	998	µg/kg	30.0	1000		99.8	62-124			
Dichlorodifluoromethane (Freon-12)	952	µg/kg	100	1000		95.2	28-137			
Ethylbenzene	882	µg/kg	30.0	1000		88.2	75-121			
Isopropylbenzene	852	µg/kg	30.0	1000		85.2	74-121			
m+p-Xylene	1780	µg/kg	60.0	2000		89.0	67-129			
Methyl acetate	698	µg/kg	250	1000		69.8	61-125			
Methyl bromide (Bromomethane)	910	µg/kg	100	1000		91.0	31-169			
Methyl chloride (Chloromethane)	969	µg/kg	100	1000		96.9	24-119			
Methyl tert-butyl ether (MTBE)	954	µg/kg	30.0	1000		95.4	79-139			
Methylene chloride (Dichloromethane)	870	µg/kg	250	1000		87.0	62-135			
o-Xylene	913	µg/kg	30.0	1000		91.3	75-120			
Styrene	860	µg/kg	30.0	1000		86.0	74-126			
Tetrachloroethylene (Perchloroethylene)	832	µg/kg	30.0	1000		83.2	76-128			
Toluene	880	µg/kg	30.0	1000		88.0	76-120			
Total Xylene	2690	µg/kg	90.0	3000		89.8	67-129			
trans-1,2-Dichloroethylene	846	µg/kg	30.0	1000		84.6	72-127			
trans-1,3-Dichloropropylene	798	µg/kg	30.0	1000		79.8	66-120			
Trichloroethene (Trichloroethylene)	860	µg/kg	30.0	1000		86.0	75-122			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2153855	**Run ID:**	3398757

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2153855-002

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/13/25 12:12

Prep Date: 08/11/25 17:03

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	723	µg/kg	30.0	1000		72.3	51-115			
Vinyl chloride (Chloroethene)	898	µg/kg	30.0	1000		89.8	43-128			
Surr: 1,2-Dichloroethane-d4	***994***	*µg/kg*		1000		99.4	*80-120*			
Surr: 4-Bromofluorobenzene	***928***	*µg/kg*		1000		92.8	*80-120*			
Surr: Dibromofluoromethane	***1000***	*µg/kg*		1000		100	*80-120*			
Surr: Toluene-d8	***996***	*µg/kg*		1000		99.6	*80-120*			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166529	**Run ID:**	3413473

Volatile Organic Compounds by GC-MS

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2166529-001**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/19/25 12:36

Prep Date: 08/18/25 14:23

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	µg/kg	30.0							
1,1,2,2-Tetrachloroethane	ND	µg/kg	30.0							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	µg/kg	30.0							
1,1,2-Trichloroethane	ND	µg/kg	30.0							
1,1-Dichloroethane	ND	µg/kg	30.0							
1,1-Dichloroethylene	ND	µg/kg	30.0							
1,2,3-Trichlorobenzene	ND	µg/kg	100							
1,2,3-Trichloropropane	ND	µg/kg	30.0							
1,2,4-Trichlorobenzene	ND	µg/kg	100							
1,2,4-Trimethylbenzene	ND	µg/kg	30.0							
1,2-Dibromo-3-chloropropane (DBCP)	ND	µg/kg	100							
1,2-Dibromoethane (EDB, Ethylene dibromide)	ND	µg/kg	30.0							
1,2-Dichlorobenzene (o-Dichlorobenzene)	ND	µg/kg	30.0							
1,2-Dichloroethane (Ethylene dichloride)	ND	µg/kg	100							
1,2-Dichloropropane	ND	µg/kg	30.0							
1,3,5-Trimethylbenzene	ND	µg/kg	100							
1,3-Dichlorobenzene (m-Dichlorobenzene)	ND	µg/kg	30.0							
1,3-Dichloropropene	ND	µg/kg	60.0							
1,4-Dichlorobenzene (p-Dichlorobenzene)	ND	µg/kg	30.0							
2-Butanone (Methyl ethyl ketone, MEK)	ND	µg/kg	200							
2-Hexanone	ND	µg/kg	30.0							
4-Methyl-2-pentanone (MIBK)	ND	µg/kg	30.0							
Acetone	ND	µg/kg	100							
Benzene	ND	µg/kg	30.0							
Bromochloromethane	ND	µg/kg	30.0							
Bromodichloromethane	ND	µg/kg	30.0							
Bromoform	ND	µg/kg	30.0							
Carbon disulfide	ND	µg/kg	30.0							
Carbon tetrachloride	ND	µg/kg	30.0							
Chlorobenzene	ND	µg/kg	30.0							
Chlorodibromomethane	ND	µg/kg	30.0							
Chloroethane (Ethyl chloride)	ND	µg/kg	100							
Chloroform	ND	µg/kg	30.0							
cis & trans-1,2-Dichloroethene	ND	µg/kg	60.0							
cis-1,2-Dichloroethylene	ND	µg/kg	30.0							
cis-1,3-Dichloropropene	ND	µg/kg	30.0							
Cyclohexane	ND	µg/kg	100							
Dichlorodifluoromethane (Freon-12)	ND	µg/kg	100							

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166529	**Run ID:**	3413473

MB **CLIENT ID: Method Blank** **Lab ID: QC-2166529-001**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/19/25 12:36

Prep Date: 08/18/25 14:23

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Ethylbenzene	ND	µg/kg	30.0							
Isopropylbenzene	ND	µg/kg	30.0							
m+p-Xylene	ND	µg/kg	60.0							
Methyl acetate	ND	µg/kg	250							
Methyl bromide (Bromomethane)	ND	µg/kg	100							
Methyl chloride (Chloromethane)	ND	µg/kg	100							
Methyl tert-butyl ether (MTBE)	ND	µg/kg	30.0							
Methylcyclohexane	ND	µg/kg	30.0							
Methylene chloride (Dichloromethane)	ND	µg/kg	250							
o-Xylene	ND	µg/kg	30.0							
Styrene	ND	µg/kg	30.0							
Tetrachloroethylene (Perchloroethylene)	ND	µg/kg	30.0							
Toluene	ND	µg/kg	30.0							
Total Xylene	ND	µg/kg	90.0							
trans-1,2-Dichloroethylene	ND	µg/kg	30.0							
trans-1,3-Dichloropropylene	ND	µg/kg	30.0							
Trichloroethene (Trichloroethylene)	ND	µg/kg	30.0							
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	ND	µg/kg	30.0							
Vinyl chloride (Chloroethene)	ND	µg/kg	30.0							
Surr: 1,2-Dichloroethane-d4	***981***	*µg/kg*		1000		98.1	*80-120*			
Surr: 4-Bromofluorobenzene	***948***	*µg/kg*		1000		94.8	*80-120*			
Surr: Dibromofluoromethane	***881***	*µg/kg*		1000		88.1	*72-120*			
Surr: Toluene-d8	***1000***	*µg/kg*		1000		100	*80-120*			

LCS **CLIENT ID: Laboratory Control Sample** **Lab ID: QC-2166529-002**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/19/25 12:36

Prep Date: 08/18/25 14:23

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1,1-Trichloroethane	932	µg/kg	30.0	1000		93.2	75-121			
1,1,2,2-Tetrachloroethane	1020	µg/kg	30.0	1000		102	79-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	995	µg/kg	30.0	1000		99.5	62-129			
1,1,2-Trichloroethane	968	µg/kg	30.0	1000		96.8	80-123			
1,1-Dichloroethane	964	µg/kg	30.0	1000		96.4	74-124			
1,1-Dichloroethylene	912	µg/kg	30.0	1000		91.2	68-131			
1,2,3-Trichlorobenzene	1100	µg/kg	100	1000		110	60-135			
1,2,3-Trichloropropane	968	µg/kg	30.0	1000		96.8	77-121			
1,2,4-Trichlorobenzene	1080	µg/kg	100	1000		108	63-130			
1,2,4-Trimethylbenzene	1020	µg/kg	30.0	1000		102	64-126			
1,2-Dibromo-3-chloropropane (DBCP)	998	µg/kg	100	1000		99.8	55-135			
1,2-Dibromoethane (EDB, Ethylene dibromide)	943	µg/kg	30.0	1000		94.3	63-155			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166529	**Run ID:**	3413473

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2166529-002

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/19/25 12:36

Prep Date: 08/18/25 14:23

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,2-Dichlorobenzene (o-Dichlorobenzene)	1040	µg/kg	30.0	1000		104	77-122			
1,2-Dichloroethane (Ethylene dichloride)	947	µg/kg	100	1000		94.7	70-130			
1,2-Dichloropropane	964	µg/kg	30.0	1000		96.4	71-130			
1,3,5-Trimethylbenzene	1040	µg/kg	100	1000		104	66-130			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1050	µg/kg	30.0	1000		105	78-121			
1,3-Dichloropropene	1660	µg/kg	60.0	2000		83.0	62-124			
1,4-Dichlorobenzene (p-Dichlorobenzene)	1040	µg/kg	30.0	1000		104	78-122			
2-Butanone (Methyl ethyl ketone, MEK)	1090	µg/kg	200	1000		109	47-164			
2-Hexanone	1050	µg/kg	30.0	1000		105	70-137			
4-Methyl-2-pentanone (MIBK)	1410	µg/kg	30.0	1000		141	57-200			
Acetone	1180	µg/kg	100	1000		118	52-190			
Benzene	970	µg/kg	30.0	1000		97.0	78-122			
Bromochloromethane	942	µg/kg	30.0	1000		94.2	68-130			
Bromodichloromethane	914	µg/kg	30.0	1000		91.4	75-125			
Bromoform	872	µg/kg	30.0	1000		87.2	59-120			
Carbon disulfide	880	µg/kg	30.0	1000		88.0	60-163			
Carbon tetrachloride	991	µg/kg	30.0	1000		99.1	69-123			
Chlorobenzene	998	µg/kg	30.0	1000		99.8	79-120			
Chlorodibromomethane	772	µg/kg	30.0	1000		77.2	57-123			
Chloroethane (Ethyl chloride)	669	µg/kg	100	1000		66.9	38-132			
Chloroform	929	µg/kg	30.0	1000		92.9	72-122			
cis & trans-1,2-Dichloroethene	1870	µg/kg	60.0	2000		93.4	72-127			
cis-1,2-Dichloroethylene	954	µg/kg	30.0	1000		95.4	74-125			
cis-1,3-Dichloropropene	896	µg/kg	30.0	1000		89.6	62-124			
Dichlorodifluoromethane (Freon-12)	437	µg/kg	100	1000		43.7	28-137			
Ethylbenzene	1010	µg/kg	30.0	1000		101	75-121			
Isopropylbenzene	1040	µg/kg	30.0	1000		104	74-121			
m+p-Xylene	2050	µg/kg	60.0	2000		102	67-129			
Methyl acetate	893	µg/kg	250	1000		89.3	61-125			
Methyl bromide (Bromomethane)	722	µg/kg	100	1000		72.2	31-169			
Methyl chloride (Chloromethane)	650	µg/kg	100	1000		65.0	24-119			
Methyl tert-butyl ether (MTBE)	1010	µg/kg	30.0	1000		101	79-139			
Methylene chloride (Dichloromethane)	950	µg/kg	250	1000		95.0	62-135			
o-Xylene	1020	µg/kg	30.0	1000		102	75-120			
Styrene	1070	µg/kg	30.0	1000		107	74-126			
Tetrachloroethylene (Perchloroethylene)	1040	µg/kg	30.0	1000		104	76-128			
Toluene	994	µg/kg	30.0	1000		99.4	76-120			
Total Xylene	3070	µg/kg	90.0	3000		102	67-129			
trans-1,2-Dichloroethylene	914	µg/kg	30.0	1000		91.4	72-127			
trans-1,3-Dichloropropylene	764	µg/kg	30.0	1000		76.4	66-120			
Trichloroethene (Trichloroethylene)	962	µg/kg	30.0	1000		96.2	75-122			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511176
Project:	8965_Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2166529	**Run ID:**	3413473

LCS	**CLIENT ID: Laboratory Control Sample**	**Lab ID: QC-2166529-002**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 08/19/25 12:36

Prep Date: 08/18/25 14:23

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	704	µg/kg	30.0	1000		70.4	51-115			
Vinyl chloride (Chloroethene)	652	µg/kg	30.0	1000		65.2	43-128			
Surr: 1,2-Dichloroethane-d4	***1000***	*µg/kg*		1000		100	*80-120*			
Surr: 4-Bromofluorobenzene	***994***	*µg/kg*		1000		99.4	*80-120*			
Surr: Dibromofluoromethane	***1070***	*µg/kg*		1000		107	*72-120*			
Surr: Toluene-d8	***1010***	*µg/kg*		1000		101	*80-120*			

The following samples were analyzed in this batch: HN2511176-001, HN2511176-002, HN2511176-003

right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order

HN2514822

Client

The Mannik & Smith Group, Inc.

Project

DETR0060

Project Date

October 03, 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

Date Received: **10/03/2025**
Work Order: **HN2514822**

Re: **DETR0060**

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. **Work Order:** HN2514822

Project: DETR0060 **Date Received:** 08-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 08-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 8270E-3510LV-TCLP

Run ID: 3586958

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

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Workorder: HN2514822

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2514822-001	8965 Cameron SB02-3 TCLP	SOIL/SOLID	10/07/25 12:55	10/08/25 07:00

Chain of Custody Form

ALS Environmental

Laboratory location:

Page 1 of 1

ALS Project Manager: | **Work Order #:**

Customer Information		Project Information	
Purchase Order		Project Name	8965 Cameron
Work Order	Quote ID - 11631	Project Number	DETR0060
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group
Send Report To	Ryan Montri	Invoice Attn.	
Address	2365 South Haggerty Road	Address	2365 South Haggerty Road
City/State/Zip	Canton, Mi 48188	City/State/Zip	Canton, Mi 48188
Phone	734-397-3100	Phone	734-397-3100
Fax		Fax	
e-Mail Address	rmontri@manniksmithgroup.com	e-Mail Address	

Parameter/Method Request for Analysis

A	TCLP Arsenic
B	TCLP Chromium
C	TCLP SVOCs
D	
E	
F	
G	
H	
I	
J	

Environmental Division Holland
Work Order Reference
HN2514822
Telephone : +1 616 399 6070

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8965 Cameron SB02-3 TCLP	10/7/25	12:55	Soil		2	X	X	X								
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Shannon Kaczmarek [signature]

Shipment Method:

Required Turnaround Time: ☐ Other ____ ☐ STD 10 Wk Days ☑ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

	Date:	Time:	
Relinquished by: [signature]	10/7/25	1442	**Received by:** Edmund Bosser Jr
Relinquished by: Edmund Bosser	10/7/25	1529	**Received by (Laboratory):** [signature]
Logged by (Laboratory): BH	10/8/25	11:46	**Checked by (Laboratory):**

Notes: Rel: [illegible] 10/7/25 1700
Rec: QS 10/7/25 1700

Cooler Temp. IR7 1.5C

QC Package: (Check Box Below)
☐ Level II: Standard QC
☐ Level III: Std QC + Raw Data
☐ Level IV: SW846 CLP-Like
Other: ____
☐ TRRP-Checklist
☐ TRRP Level IV

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

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: QS to BrittanyH 10/8/25 0700

https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Holland Sample Receiving Checklist

Received by:	Buttaugh
Date/Time:	10/8/25 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):	1.5/1.5C
Thermometer(s):	187
Sample(s) received on ice?	Yes / No
Matrix/Matrices:	Soil
Cooler(s)/Kit(s):	1
Date/Time sample(s) sent to storage:	10/8/25 11:46
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 Certifications[1]

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.	**Work Order:**	HN2514822
Project:	DETR0060		

Sample Name:	8965 Cameron SB02-3 TCLP	**Date Collected:**	10/07/25
Laboratory Code:	HN2514822-001	**Date Received:**	10/08/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AD	2272800	Nicolee Allen	3586409	Hunter Johnson
EPA 8270E	EPA 3510C	001-AE	2273455	Danielle Maleski	3586958	Alexa Montague

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2514822
Project:	DETR0060	**Date Collected:**	10/07/25 12:55
Matrix:	SOIL/SOLID	**Date Received:**	10/08/25 07:00

CLIENT ID: 8965 Cameron SB02-3 TCLP — **Lab ID: HN2514822-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Arsenic	EPA 6020B	ND		mg/L	0.0499	1	10/14/25 18:37	10/12/25 09:34
Chromium	EPA 6020B	ND		mg/L	0.0499	1	10/14/25 18:37	10/12/25 09:34
TCLP Semivolatile Organic Compounds by GC-MS								
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
2,4,5-Trichlorophenol	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
2,4,6-Trichlorophenol	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
2-Methylphenol (o-Cresol)	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
3&4-Methylphenol	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
Hexachlorobenzene	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
Hexachlorobutadiene	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
Hexachloroethane	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
Nitrobenzene	EPA 8270E	ND		µg/L	20.0	1	10/14/25 10:50	10/13/25 10:12
Pentachlorophenol	EPA 8270E	ND		µg/L	50.0	1	10/14/25 10:50	10/13/25 10:12
Pyridine	EPA 8270E	ND		µg/L	100	1	10/14/25 10:50	10/13/25 10:12
Surr: 2,4,6-Tribromophenol	*EPA 8270E*	***51.9***		*%REC*	*38-116*	*1*	*10/14/25 10:50*	*10/13/25 10:12*
Surr: 2-Fluorobiphenyl	*EPA 8270E*	***46.9***		*%REC*	*30-101*	*1*	*10/14/25 10:50*	*10/13/25 10:12*
Surr: 2-Fluorophenol	*EPA 8270E*	***41.3***		*%REC*	*22-78*	*1*	*10/14/25 10:50*	*10/13/25 10:12*
Surr: 4-Terphenyl-d14	*EPA 8270E*	***55.0***		*%REC*	*37-99*	*1*	*10/14/25 10:50*	*10/13/25 10:12*
Surr: Nitrobenzene-d5	*EPA 8270E*	***54.2***		*%REC*	*28-102*	*1*	*10/14/25 10:50*	*10/13/25 10:12*
Surr: Phenol-d6	*EPA 8270E*	***30.9***		*%REC*	*18-55*	*1*	*10/14/25 10:50*	*10/13/25 10:12*

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2514822
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2272800	**Run ID:**	3584478

TCLP Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2272800-001**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/13/25 22:50 | **Prep Date:** 10/12/25 09:35

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-2272800-002**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/13/25 22:52 | **Prep Date:** 10/12/25 09:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	0.926	mg/L	0.0499	1		92.6	80-120			

MS | **CLIENT ID: Batch QC** | **Lab ID: QC-2272800-004**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/13/25 22:55 | **Prep Date:** 10/12/25 09:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	0.926	mg/L	0.0499	1	ND	92.6	75-125			

MSD | **CLIENT ID: Batch QC** | **Lab ID: QC-2272800-005**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/13/25 22:57 | **Prep Date:** 10/12/25 09:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	0.913	mg/L	0.0499	1	ND	91.3	75-125	1.38	20	

The following samples were analyzed in this batch: HN2514822-001

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2514822
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2272800	**Run ID:**	3586409

TCLP Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2272800-001**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/14/25 18:14 | **Prep Date:** 10/12/25 09:35

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

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2272800-002**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/14/25 18:16 | **Prep Date:** 10/12/25 09:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chromium	0.932	mg/L	0.0499	1		93.2	80-120			

MS | **CLIENT ID: Batch QC** | **Lab ID: QC-2272800-004**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/14/25 18:19 | **Prep Date:** 10/12/25 09:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chromium	0.918	mg/L	0.0499	1	ND	91.6	75-125			

MSD | **CLIENT ID: Batch QC** | **Lab ID: QC-2272800-005**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/14/25 18:24 | **Prep Date:** 10/12/25 09:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chromium	0.921	mg/L	0.0499	1	ND	91.9	75-125	0.294	20	

The following samples were analyzed in this batch: HN2514822-001

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2514822
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2273455	**Run ID:**	3586958

TCLP Semivolatile Organic Compounds by GC-MS

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2273455-001**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 10/14/25 06:20 | **Prep Date:** 10/13/25 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	ND	µg/L	4.00							
2,4,5-Trichlorophenol	ND	µg/L	4.00							
2,4,6-Trichlorophenol	ND	µg/L	4.00							
2,4-Dinitrotoluene (2,4-DNT)	ND	µg/L	4.00							
2-Methylphenol (o-Cresol)	ND	µg/L	4.00							
3&4-Methylphenol	ND	µg/L	4.00							
Hexachlorobenzene	ND	µg/L	4.00							
Hexachlorobutadiene	ND	µg/L	4.00							
Hexachloroethane	ND	µg/L	4.00							
Nitrobenzene	ND	µg/L	4.00							
Pentachlorophenol	ND	µg/L	10.0							
Pyridine	ND	µg/L	20.0							
Surr: 2,4,6-Tribromophenol	***134***	*µg/L*		200		67.0	*38-116*			
Surr: 2-Fluorobiphenyl	***142***	*µg/L*		200		70.9	*30-101*			
Surr: 2-Fluorophenol	***119***	*µg/L*		200		59.6	*22-78*			
Surr: 4-Terphenyl-d14	***123***	*µg/L*		200		61.7	*37-99*			
Surr: Nitrobenzene-d5	***152***	*µg/L*		200		76.3	*28-102*			
Surr: Phenol-d6	***87.4***	*µg/L*		200		43.7	*18-55*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2273455-002**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 10/14/25 07:14 | **Prep Date:** 10/13/25 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	38.7	µg/L	4.00	80		48.4	21-108			
2,4,5-Trichlorophenol	55.7	µg/L	4.00	80		69.6	38-112			
2,4,6-Trichlorophenol	53.1	µg/L	4.00	80		66.4	32-118			
2,4-Dinitrotoluene (2,4-DNT)	63.1	µg/L	4.00	80		78.8	35-132			
2-Methylphenol (o-Cresol)	58.5	µg/L	4.00	80		73.2	31-101			
3&4-Methylphenol	54.9	µg/L	4.00	80		68.6	30-96			
Hexachlorobenzene	56.4	µg/L	4.00	80		70.4	36-119			
Hexachlorobutadiene	38.6	µg/L	4.00	80		48.2	17-116			
Hexachloroethane	34.4	µg/L	4.00	80		43.0	18-108			
Nitrobenzene	61.7	µg/L	4.00	80		77.2	35-112			
Pentachlorophenol	50.1	µg/L	10.0	80		62.6	23-116			
Pyridine	41.8	µg/L	20.0	80		52.2	18-78			
Surr: 2,4,6-Tribromophenol	***139***	*µg/L*		200		69.4	*38-116*			
Surr: 2-Fluorobiphenyl	***133***	*µg/L*		200		66.3	*30-101*			
Surr: 2-Fluorophenol	***104***	*µg/L*		200		51.8	*22-78*			
Surr: 4-Terphenyl-d14	***128***	*µg/L*		200		64.2	*37-99*			
Surr: Nitrobenzene-d5	***146***	*µg/L*		200		73.3	*28-102*			
Surr: Phenol-d6	***81.2***	*µg/L*		200		40.6	*18-55*			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2514822
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2273455	**Run ID:**	3586958

MS | **CLIENT ID: Batch QC** | **Lab ID: QC-2273455-005**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 10/14/25 07:41 | **Prep Date:** 10/13/25 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	191	µg/L	20.0	400	ND	47.8	21-108			
2,4,5-Trichlorophenol	284	µg/L	20.0	400	ND	71.0	38-112			
2,4,6-Trichlorophenol	273	µg/L	20.0	400	ND	68.2	32-118			
2,4-Dinitrotoluene (2,4-DNT)	311	µg/L	20.0	400	ND	77.8	35-132			
2-Methylphenol (o-Cresol)	294	µg/L	20.0	400	ND	73.6	31-101			
3&4-Methylphenol	275	µg/L	20.0	400	ND	68.8	30-96			
Hexachlorobenzene	288	µg/L	20.0	400	ND	71.9	36-119			
Hexachlorobutadiene	221	µg/L	20.0	400	ND	55.4	17-116			
Hexachloroethane	183	µg/L	20.0	400	ND	45.8	18-108			
Nitrobenzene	314	µg/L	20.0	400	ND	78.5	35-112			
Pentachlorophenol	298	µg/L	50.0	400	ND	74.6	23-116			
Pyridine	207	µg/L	100	400	ND	51.7	18-78			
Surr: 2,4,6-Tribromophenol	***730***	*µg/L*		1000		73.0	*38-116*			
Surr: 2-Fluorobiphenyl	***671***	*µg/L*		1000		67.1	*30-101*			
Surr: 2-Fluorophenol	***513***	*µg/L*		1000		51.3	*22-78*			
Surr: 4-Terphenyl-d14	***668***	*µg/L*		1000		66.8	*37-99*			
Surr: Nitrobenzene-d5	***739***	*µg/L*		1000		73.9	*28-102*			
Surr: Phenol-d6	***385***	*µg/L*		1000		38.5	*18-55*			

MSD | **CLIENT ID: Batch QC** | **Lab ID: QC-2273455-006**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 10/14/25 08:08 | **Prep Date:** 10/13/25 10:13

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	204	µg/L	20.0	400	ND	51.0	21-108	6.68	30	
2,4,5-Trichlorophenol	320	µg/L	20.0	400	ND	80.1	38-112	12.0	30	
2,4,6-Trichlorophenol	312	µg/L	20.0	400	ND	78.0	32-118	13.4	30	
2,4-Dinitrotoluene (2,4-DNT)	342	µg/L	20.0	400	ND	85.6	35-132	9.42	30	
2-Methylphenol (o-Cresol)	313	µg/L	20.0	400	ND	78.3	31-101	6.26	30	
3&4-Methylphenol	302	µg/L	20.0	400	ND	75.6	30-96	9.49	30	
Hexachlorobenzene	313	µg/L	20.0	400	ND	78.2	36-119	8.39	30	
Hexachlorobutadiene	214	µg/L	20.0	400	ND	53.6	17-116	3.21	30	
Hexachloroethane	187	µg/L	20.0	400	ND	46.8	18-108	2.38	30	
Nitrobenzene	319	µg/L	20.0	400	ND	79.8	35-112	1.58	30	
Pentachlorophenol	330	µg/L	50.0	400	ND	82.6	23-116	10.2	30	
Pyridine	114	µg/L	100	400	ND	28.4	18-78	58.2	30	R
Surr: 2,4,6-Tribromophenol	***766***	*µg/L*		1000		76.6	*38-116*	4.81	30	
Surr: 2-Fluorobiphenyl	***687***	*µg/L*		1000		68.7	*30-101*	2.36	30	
Surr: 2-Fluorophenol	***552***	*µg/L*		1000		55.2	*22-78*	7.17	30	
Surr: 4-Terphenyl-d14	***692***	*µg/L*		1000		69.2	*37-99*	3.47	30	
Surr: Nitrobenzene-d5	***756***	*µg/L*		1000		75.6	*28-102*	2.25	30	
Surr: Phenol-d6	***427***	*µg/L*		1000		42.7	*18-55*	10.3	30	

The following samples were analyzed in this batch: HN2514822-001

right solutions.
right partner.

November 10, 2025

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

Re: **DETR0060**

Date Received: **10/28/2025**
Work Order: **HN2516052**
Revision: **1**

Dear Ryan,

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

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

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

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Kathy Jones-Gronda
/S/ KATHY JONES-GRONDA

Project Manager

Client: The Mannik & Smith Group, Inc. **Work Order:** HN2516052

Project: DETR0060 **Date Received:** 28-Oct-2025

CASE NARRATIVE

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

Sample Receipt

1 soil/solid sample was received for analysis at ALS Environmental on 28-Oct-2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements. TCLP Pesticides is included on this amended report.

Organics

EPA 8081B-3546-S (High)

Run ID: 3641348

HN2516052-001: The reporting limit is elevated due to dilution needed to eliminate matrix-related interference.

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Workorder: HN2516052

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2516052-001	8965 Cameron SB01 (5-6')-R	SOIL/SOLID	10/27/25 09:30	10/28/25 06:00

ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

ALS Project Manager: | **Work Order #:**

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	8965 Cameron	A	Pesticides (U.S. EPA Method 8081B (or Method 8081))
Work Order		Project Number	DETR0060	B	Herbicides (U.S. EPA Method 8151A (or Method 8151))
Company Name	The Mannik and Smith Group	Bill To Company	The Mannik and Smith Group	C	
Send Report To	Ryan Montri	Invoice Attn.		D	
Address	2365 Haggerty Rd South Suite 100	Address	2365 Haggerty Rd South Suite 100	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	

Environmental Division
Holland
Work Order Reference
HN2516052

Telephone : +1 616 399 6070

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	J	Hold
1	8965 Cameron SB01(5.6')-R	10/27/25	0930	S	NA	1	X	X				
2												
3												
4												
5												
6												
7												
8												
9												
10												

Sampler(s): Please Print & Sign: Levin Warf

Shipment Method:

Required Turnaround Time: ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other: 72 hours

Results Due Date:

Relinquished by: WILEY DAVENPORT	**Date:** 10/27/25	**Time:** 1558	**Received by:**	**Notes:** Quote# HN-061825-M&S-MA QS to Brittany H 10/28/25 0600
Relinquished by:	**Date:** 10/27/25	**Time:** 1558	**Received by (Laboratory):** QS	**Cooler Temp.**
Logged by (Laboratory): BH	**Date:** 10/28/25	**Time:** 08:11	**Checked by (Laboratory):**	1.27 5.8c

QC Package: (Check Box Below)

- ☐ Level II: Standard QC
- ☐ Level III: Std QC + Raw Data
- ☐ Level IV: SW846 CLP-Like
- ☐ Other: _____
- ☐ TRRP-Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

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

ALS Holland Sample Receiving Checklist

Received by:	Brittenyatt
Date/Time:	10/28/25 0600
Carrier Name:	QS
Shipping container/cooler in good condition?	(Yes) / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / (Not Present)
Custody seals intact on sample bottles?	Yes / No / (Not Present)
Chain of Custody present?	(Yes) / No
COC signed when relinquished and received?	(Yes) / No
COC agrees with sample labels?	(Yes) / No
Samples in proper container/bottle?	(Yes) / No
Sample containers intact?	(Yes) / No
Sufficient sample volume for indicated test?	(Yes) / No
All samples received within holding time?	(Yes) / No
Container/Temp Blank temperature in compliance?	(Yes) / No
Temperature(s) (°C):	5.8 5.8c
Thermometer(s):	IR7
Sample(s) received on ice?	(Yes) / No
Matrix/Matrices:	Soil
Cooler(s)/Kit(s):	1
Date/Time sample(s) sent to storage:	10/28/25 08:11
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 Certifications[1]

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.	**Work Order:**	HN2516052
Project:	DETR0060		

Sample Name:	8965 Cameron SB01 (5-6')-R	**Date Collected:**	10/27/25
Laboratory Code:	HN2516052-001	**Date Received:**	10/28/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 8081B	EPA 3546	001-AA	2305050	Mya Harmer	3641348	Madison VandenBer
EPA 8081B	EPA 3511	001-AC	2322497	Sam Bruzan	3667390	Sam Bruzan
EPA 8151A	Method	001-AA	2309163	Sam Bruzan	3642247	Kathy Malmyga

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2516052
Project:	DETR0060	**Date Collected:**	10/27/25 09:30
Matrix:	SOIL/SOLID	**Date Received:**	10/28/25 06:00

CLIENT ID: 8965 Cameron SB01 (5-6')-R — **Lab ID: HN2516052-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chlorinated Herbicides by GC/ECD								
2,4,5-T	EPA 8151A	<2.51	U	µg/kg	13.6	1	10/30/25 17:28	10/29/25 10:50
2,4,5-TP (Silvex)	EPA 8151A	<4.47	U	µg/kg	13.6	1	10/30/25 17:28	10/29/25 10:50
2,4-D	EPA 8151A	<7.27	U	µg/kg	27.2	1	10/30/25 17:28	10/29/25 10:50
Surr: DCAA	*EPA 8151A*	***58.0***		*%REC*	*10-116*	*1*	*10/30/25 17:28*	*10/29/25 10:50*
Organochlorine Pesticides by GC/ECD								
4,4'-DDD	EPA 8081B	<168	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
4,4'-DDE	EPA 8081B	<173	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
4,4'-DDT	EPA 8081B	<175	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Aldrin	EPA 8081B	<171	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
alpha-BHC	EPA 8081B	<173	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
beta-BHC	EPA 8081B	<173	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Chlordane, Technical	EPA 8081B	<261	U	µg/kg	657	10	10/30/25 01:32	10/29/25 11:36
cis-Chlordane	EPA 8081B	<176	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
delta-BHC	EPA 8081B	<172	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Dieldrin	EPA 8081B	<184	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Endosulfan I	EPA 8081B	<177	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Endosulfan II	EPA 8081B	<174	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Endosulfan sulfate	EPA 8081B	<162	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Endrin	EPA 8081B	<213	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Endrin aldehyde	EPA 8081B	<167	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Endrin ketone	EPA 8081B	<160	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
gamma-BHC (Lindane)	EPA 8081B	<172	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Heptachlor	EPA 8081B	<170	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Heptachlor epoxide	EPA 8081B	<174	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Methoxychlor	EPA 8081B	<176	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Toxaphene	EPA 8081B	<284	U	µg/kg	1580	10	10/30/25 01:32	10/29/25 11:36
trans-Chlordane	EPA 8081B	<175	U	µg/kg	263	10	10/30/25 01:32	10/29/25 11:36
Surr: Decachlorobiphenyl	*EPA 8081B*	***88.5***		*%REC*	*53-151*	*10*	*10/30/25 01:32*	*10/29/25 11:36*
Surr: Tetrachloro-m-xylene	*EPA 8081B*	***70.0***		*%REC*	*67-127*	*10*	*10/30/25 01:32*	*10/29/25 11:36*

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2516052
Project:	DETR0060	**Date Collected:**	10/27/25 09:30
Matrix:	SOIL/SOLID	**Date Received:**	10/28/25 06:00

CLIENT ID: 8965 Cameron SB01 (5-6')-R **Lab ID: HN2516052-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Organochlorine Pesticides by GC/ECD								
Chlordane, Technical	EPA 8081B	<0.0341	U	µg/L	0.502	1	11/07/25 04:42	11/06/25 13:53
Endrin	EPA 8081B	<0.00854	U	µg/L	0.0100	1	11/07/25 04:42	11/06/25 13:53
gamma-BHC (Lindane)	EPA 8081B	<0.00834	U	µg/L	0.0100	1	11/07/25 04:42	11/06/25 13:53
Heptachlor	EPA 8081B	<0.00762	U	µg/L	0.0100	1	11/07/25 04:42	11/06/25 13:53
Heptachlor epoxide	EPA 8081B	<0.00796	U	µg/L	0.0100	1	11/07/25 04:42	11/06/25 13:53
Methoxychlor	EPA 8081B	<0.00992	U	µg/L	0.0100	1	11/07/25 04:42	11/06/25 13:53
Toxaphene	EPA 8081B	<0.110	U	µg/L	2.01	1	11/07/25 04:42	11/06/25 13:53
Surr: Decachlorobiphenyl	*EPA 8081B*	***99.0***		*%REC*	*42-148*	*1*	*11/07/25 04:42*	*11/06/25 13:53*
Surr: Tetrachloro-m-xylene	*EPA 8081B*	***81.1***		*%REC*	*57-141*	*1*	*11/07/25 04:42*	*11/06/25 13:53*

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2516052
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2309163	**Run ID:**	3642247

Chlorinated Herbicides by GC/ECD

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2309163-002**

Method: EPA 8151A | **Dilution:** 1 | **Analysis Date:** 10/30/25 16:49 | **Prep Date:** 10/29/25 10:50

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

MS | **CLIENT ID: Batch QC** | **Lab ID: QC-2309163-005**

Method: EPA 8151A | **Dilution:** 1 | **Analysis Date:** 10/30/25 17:02 | **Prep Date:** 10/29/25 10:50

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

MSD | **CLIENT ID: Batch QC** | **Lab ID: QC-2309163-006**

Method: EPA 8151A | **Dilution:** 1 | **Analysis Date:** 10/30/25 17:15 | **Prep Date:** 10/29/25 10:50

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

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-MRG2-2309163001**

Method: EPA 8151A | **Dilution:** 1 | **Analysis Date:** 10/30/25 16:36 | **Prep Date:** 10/29/25 10:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
2,4,5-T	<0.920	µg/kg	5.00							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	***30.0***	*µg/kg*		50		60.0	*10-116*			

The following samples were analyzed in this batch: HN2516052-001

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2516052
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2305050	**Run ID:**	3641348

Organochlorine Pesticides by GC/ECD

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2305050-001**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 10/29/25 23:02 | **Prep Date:** 10/29/25 11:37

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
4,4'-DDD	<6.39	µg/kg	10.0							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	***35.8***	*µg/kg*		33.33		107	*53-151*			
Surr: Tetrachloro-m-xylene	***28.7***	*µg/kg*		33.33		86.2	*67-127*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2305050-002**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 10/29/25 23:14 | **Prep Date:** 10/29/25 11:37

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

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2516052
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2305050	**Run ID:**	3641348

LCS	**CLIENT ID: Laboratory Control Sample**	**Lab ID: QC-2305050-002**

Method: EPA 8081B **Dilution:** 1 **Analysis Date:** 10/29/25 23:14

Prep Date: 10/29/25 11:37

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin aldehyde	36.8	µg/kg	10.0	33.33		111	41-147			
Endrin ketone	27.6	µg/kg	10.0	33.33		82.7	54-146			
gamma-BHC (Lindane)	30.6	µg/kg	10.0	33.33		91.9	58-145			
Heptachlor	31.8	µg/kg	10.0	33.33		95.3	51-145			
Heptachlor epoxide	30.7	µg/kg	10.0	33.33		92.1	59-143			
Methoxychlor	33.4	µg/kg	10.0	33.33		100	43-144			
trans-Chlordane	30.0	µg/kg	10.0	33.33		90.0	56-145			
Surr: Decachlorobiphenyl	***29.8***	*µg/kg*		33.33		89.3	*51-151*			
Surr: Tetrachloro-m-xylene	***25.8***	*µg/kg*		33.33		77.4	*67-127*			

The following samples were analyzed in this batch: HN2516052-001

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2516052
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2322497	**Run ID:**	3667390

TCLP Organochlorine Pesticides by GC/ECD

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-MRG2-2322496001**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 11/07/25 02:44 | **Prep Date:** 11/06/25 13:54

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chlordane, Technical	<0.0340	µg/L	0.500							U
Endrin	<0.00851	µg/L	0.0100							U
gamma-BHC (Lindane)	<0.00832	µg/L	0.0100							U
Heptachlor	<0.00760	µg/L	0.0100							U
Heptachlor epoxide	<0.00796	µg/L	0.0100							U
Methoxychlor	<0.00989	µg/L	0.0100							U
Toxaphene	<0.110	µg/L	2.00							U
Surr: Decachlorobiphenyl	***0.259***	*µg/L*		0.25		104	*0.42-148*			
Surr: Tetrachloro-m-xylene	***0.200***	*µg/L*		0.25		79.8	*57-141*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-MRG2-2322496002**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 11/07/25 02:59 | **Prep Date:** 11/06/25 13:54

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin	0.258	µg/L	0.0100	0.2		129	43-176			
gamma-BHC (Lindane)	0.238	µg/L	0.0100	0.2		119	63-158			
Heptachlor	0.235	µg/L	0.0100	0.2		118	47-166			
Heptachlor epoxide	0.243	µg/L	0.0100	0.2		122	63-164			
Methoxychlor	0.191	µg/L	0.0100	0.2		95.6	36-176			
Surr: Decachlorobiphenyl	***0.279***	*µg/L*		0.25		111	*42-148*			
Surr: Tetrachloro-m-xylene	***0.218***	*µg/L*		0.25		87.0	*57-141*			

DLCS | **CLIENT ID: Laboratory Control Sample Duplicate** | **Lab ID: QC-MRG2-2322496003**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 11/07/25 03:13 | **Prep Date:** 11/06/25 13:54

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin	0.248	µg/L	0.0100	0.2		124	43-176	3.80	20	
gamma-BHC (Lindane)	0.234	µg/L	0.0100	0.2		117	63-158	1.61	20	
Heptachlor	0.231	µg/L	0.0100	0.2		116	47-166	1.63	20	
Heptachlor epoxide	0.235	µg/L	0.0100	0.2		117	63-164	3.68	20	
Methoxychlor	0.195	µg/L	0.0100	0.2		97.6	36-176	2.07	20	
Surr: Decachlorobiphenyl	***0.273***	*µg/L*		0.25		109	*42-148*	2.03	30	
Surr: Tetrachloro-m-xylene	***0.223***	*µg/L*		0.25		89.1	*57-141*	2.36	30	

The following samples were analyzed in this batch: HN2516052-001

January 20, 2026

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

Date Received: **01/14/2026**
Work Order: **HN2600569**

Re: **8965 Cameron**

Dear Ryan,

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

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

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

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Kathy Jones-Gronda
/S/ KATHY JONES-GRONDA

Project Manager

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2600569
Project:	8965 Cameron	**Date Received:**	14-Jan-2026

CASE NARRATIVE

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

Sample Receipt

1 soil/solid sample was received for analysis at ALS Environmental on 14-Jan-2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: 8965 Cameron
Workorder: HN2600569

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2600569-001	8965 Cameron SB02 (3-4') TCLP	SOIL/SOLID	01/13/26 13:52	01/14/26 06:00

ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 1

Environmental Division Holland

Work Order Reference HN2600569

Telephone : +1 616 399 6070

ALS Project Manager: | **Work Order #:**

Customer Information		Project Information		Parameter/Method Requ	
Purchase Order		Project Name	8965 Cameron	A	TCLP Pesticides
Work Order		Project Number	DETR0060	B	
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group	C	
Send Report To	Ryan Montri and Olivia Mitchell	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	omitchell@manniksmithgroup.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	8965 Cameron SB02 (3-4') TCLP	1/13/26	13:52	Soil	7	1	☒										
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Jake Wellman

Shipment Method:

Required Turnaround Time: ☐ STD 10 Wk Days ☑ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	**Date:** 1-13-26	**Time:** 1600	**Received by:**	1/13/26 1600	**Notes:** Rec'd 1/14/26 0600
Relinquished by:	**Date:** 1/13	**Time:** 1700	**Received by (Laboratory):**	1/13 1700	**Cooler Temp.**
Logged by (Laboratory): DFS	**Date:** 1/14/26	**Time:** 0830	**Checked by (Laboratory):**		IR6 3.2°C

QC Package: (Check Box Below)

- ☐ Level II: Standard QC
- ☐ Level III: Std QC + Raw Data
- ☐ Level IV: SW846 CLP-Like
- ☐ Other: _____
- ☐ TRRP-Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

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

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

https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by:	Diane F. Shaw
Date/Time:	1/14/26 0600
Carrier Name:	QS
Shipping container/cooler in good condition?	(Yes) / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / (Not Present)
Custody seals intact on sample bottles?	Yes / No / (Not Present)
Chain of Custody present?	(Yes) / No
COC signed when relinquished and received?	(Yes) / No
COC agrees with sample labels?	(Yes) / No
Samples in proper container/bottle?	(Yes) / No
Sample containers intact?	(Yes) / No
Sufficient sample volume for indicated test?	(Yes) / No
All samples received within holding time?	(Yes) / No
Container/Temp Blank temperature in compliance?	(Yes) / No
Temperature(s) (°C):	3.2/3.2'c
Thermometer(s):	IR6
Sample(s) received on ice?	(Yes) / No
Matrix/Matrices:	Soil
Cooler(s)/Kit(s):	1
Date/Time sample(s) sent to storage:	1/14/26 0845
Water – VOA vials have zero headspace?	Yes / No / (No Vials)
Water – pH acceptable upon receipt?	Yes / No / (N/A)
pH strip lot #: _____	< 2 _____ > 12 _____ Other _____
pH adjusted (note adjustments below)?	Yes / No / (N/A)
pH adjusted by:	_____

Login Notes:

HN-SHT-160-R01, Sample Receipt Checklist

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the 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 Certifications[1]

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	09/01/2025	09/01/2027
Kansas	NELAP (Secondary)	E-10411	08/01/2025	07/31/2026
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	07/07/2025	06/30/2026
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2025	6/30/2026
New York	NELAP (Secondary)	12128	04/01/2025	04/01/2026
North Dakota	State Specific	R-192	11/18/2024	06/30/2025
Ohio	Drinking Water (Secondary)	87783	06/26/2025	6/30/2026
Pennsylvania	NELAP (Secondary)	68-03827	11/25/2025	07/31/2026
Texas	NELAP (Secondary)	T104704494	02/12/2025	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	08/08/2025	08/31/2026

1 - Scope available upon request

ANALYST SUMMARY

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2600569
Project:	8965 Cameron		

Sample Name:	8965 Cameron SB02 (3-4') TCLP	**Date Collected:**	01/13/26
Laboratory Code:	HN2600569-001	**Date Received:**	01/14/26
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 8081B	EPA 3511	001-AC	2419471	Mara Norton	3828921	Madison VandenBer

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2600569
Project:	8965 Cameron	**Date Collected:**	01/13/26 13:52
Matrix:	SOIL/SOLID	**Date Received:**	01/14/26 06:00

CLIENT ID: 8965 Cameron SB02 (3-4') TCLP **Lab ID: HN2600569-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Organochlorine Pesticides by GC/ECD								
Chlordane, Technical	EPA 8081B	<0.0337	U	µg/L	0.496	1	01/17/26 04:44	01/16/26 09:15
Endrin	EPA 8081B	<0.00844	U	µg/L	0.00992	1	01/17/26 04:44	01/16/26 09:15
gamma-BHC (Lindane)	EPA 8081B	<0.00825	U	µg/L	0.00992	1	01/17/26 04:44	01/16/26 09:15
Heptachlor	EPA 8081B	<0.00754	U	µg/L	0.00992	1	01/17/26 04:44	01/16/26 09:15
Heptachlor epoxide	EPA 8081B	<0.00787	U	µg/L	0.00992	1	01/17/26 04:44	01/16/26 09:15
Methoxychlor	EPA 8081B	<0.00981	U	µg/L	0.00992	1	01/17/26 04:44	01/16/26 09:15
Toxaphene	EPA 8081B	<0.109	U	µg/L	1.98	1	01/17/26 04:44	01/16/26 09:15
Surr: Decachlorobiphenyl	*EPA 8081B*	***110***		*%REC*	*42-148*	*1*	*01/17/26 04:44*	*01/16/26 09:15*
Surr: Tetrachloro-m-xylene	*EPA 8081B*	***88.3***		*%REC*	*57-141*	*1*	*01/17/26 04:44*	*01/16/26 09:15*

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2600569
Project:	8965 Cameron	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2419471	**Run ID:**	3828921

TCLP Organochlorine Pesticides by GC/ECD

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2419471-001**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 01/17/26 03:17 | **Prep Date:** 01/16/26 09:16

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Chlordane, Technical	<0.0340	µg/L	0.500							U
Endrin	<0.00851	µg/L	0.0100							U
gamma-BHC (Lindane)	<0.00832	µg/L	0.0100							U
Heptachlor	<0.00760	µg/L	0.0100							U
Heptachlor epoxide	<0.00796	µg/L	0.0100							U
Methoxychlor	<0.00989	µg/L	0.0100							U
Toxaphene	<0.110	µg/L	2.00							U
Surr: Decachlorobiphenyl	***0.314***	*µg/L*		0.25		126	*0.42-148*			
Surr: Tetrachloro-m-xylene	***0.207***	*µg/L*		0.25		82.7	*57-141*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2419471-002**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 01/17/26 03:32 | **Prep Date:** 01/16/26 09:16

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin	0.217	µg/L	0.0100	0.2		108	43-176			
gamma-BHC (Lindane)	0.195	µg/L	0.0100	0.2		97.3	63-158			
Heptachlor	0.228	µg/L	0.0100	0.2		114	47-166			
Heptachlor epoxide	0.207	µg/L	0.0100	0.2		103	63-164			
Methoxychlor	0.154	µg/L	0.0100	0.2		77.0	36-176			
Surr: Decachlorobiphenyl	***0.288***	*µg/L*		0.25		115	*42-148*			
Surr: Tetrachloro-m-xylene	***0.228***	*µg/L*		0.25		91.0	*57-141*			

DLCS | **CLIENT ID: Laboratory Control Sample Duplicate** | **Lab ID: QC-2419471-003**

Method: EPA 8081B | **Dilution:** 1 | **Analysis Date:** 01/17/26 03:46 | **Prep Date:** 01/16/26 09:16

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Endrin	0.214	µg/L	0.0100	0.2		107	43-176	1.21	20	
gamma-BHC (Lindane)	0.192	µg/L	0.0100	0.2		95.9	63-158	1.45	20	
Heptachlor	0.224	µg/L	0.0100	0.2		112	47-166	1.77	20	
Heptachlor epoxide	0.204	µg/L	0.0100	0.2		102	63-164	1.56	20	
Methoxychlor	0.158	µg/L	0.0100	0.2		79.0	36-176	2.56	20	
Surr: Decachlorobiphenyl	***0.286***	*µg/L*		0.25		114	*42-148*	0.696	30	
Surr: Tetrachloro-m-xylene	***0.200***	*µg/L*		0.25		80.0	*57-141*	12.9	30	

The following samples were analyzed in this batch: HN2600569-001