DRAFT

FILL MATERIAL SAMPLING REPORT

5285 HARDING STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48213

OCTOBER 24, 2025
REVISED DECEMBER 12, 2025

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

Mannik Smith GROUP

Fill Material Sampling Report

5285 Harding Street
Detroit, Wayne County, Michigan 48213

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EXECUTIVE SUMMARY

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to perform sampling and analysis of fill materials at the property commonly addressed as 5285 Harding Street, Detroit, Wayne County, Michigan (hereinafter, the "Site"). The Site location, as referenced to nearby roads and major geographic features, is shown on Figure *1, Site Location Map*. *Figure 2, Site Layout,* depicts the current layout of the Site.

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

The purpose of the work was to assist the COD's blight remediation efforts with the sampling and analysis of fill material at the Site through soil sample collection from pre-determined depths, as described in the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. Sample analyses associated with this work included volatile organic compounds (VOCs); 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. 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 5285 SB01, 5285 SB02, and 5285 SB03 generally consisted of one to four and half feet of brown silty clay underlain by mottled silty clay to six feet bgs, the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.
- Concentrations of arsenic were detected in soil sample 5285 SB01 (1-2') and 5285 SB02 (3-4') in excess of its respective Part 201 drinking water protection criteria (DWPC), groundwater surface water interface criteria (GSIPC), and/or direct contact criteria (DCC).
- Concentrations of 4,4-DDD, 4,4-DDE, 4,4-DDT, alpha-chlordane, barium, chlordane, chloride, chromium (Total), copper, endosulfan I, gamma-chlordane, heptachlor epoxide, lead, mercury, and zinc were detected in the soil sample 5285 SB01 (1-2'), 5285 SB02 (3-4'), and/or 5285 SB03 (5-6') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- Toxicity Characteristic Leaching Procedure (TCLP) laboratory analytical results revealed that concentrations of arsenic 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.*
- SVOCs, VOCs, and PCBs were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration. Therefore, the groundwater surface

water exposure pathway can be considered not applicable. Given that the site is residential, exceedances of DCC may merit further consideration.

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

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

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1.0 INTRODUCTION

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to conduct sampling and analysis of fill materials at the property commonly addressed as 5285 Harding Street, Detroit, Wayne County, Michigan (hereinafter, the "Site"). The Site location as referenced to nearby roads and major geographic features is presented as *Figure 1, Site Location Map*. *Figure 2, Site Layout,* depicts the current layout of the Site.

The purpose of this work was to assist the COD's blight remediation efforts with the sampling and analysis of fill material at the Site through soil sample collection from pre-determined depths. The scope of work for this investigation was performed in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025. This report presents the findings of this investigation. Soil samples were collected by MSG on August 14, 2025. The findings of this report are valid as of the report date, subject to the limitations presented in *Appendix A, Limitations*.

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

2.0 PURPOSE AND SCOPE OF WORK

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

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

- Advanced three (3) onsite soil borings to a maximum depth of six feet below ground surface (bgs) utilizing a direct push drill rig at the locations depicted on Figure 2.
- Collected one (1) discrete soil sample for laboratory analysis from each soil boring at a depth of 1-2 feet bgs, 3-4 feet bgs, or 5-6 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 14, 2025 and October 9, 2025. Daily field activity reports prepared by MSG are presented in *Appendix B, Daily Field Reports.*

3.1 Preliminary Site Work Activities

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

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

3.2 Soil Sample Collection

The sampling plan for the Site was based on the COD's *Sampling and Analysis of Fill Materials Scope of Services*, dated June 17, 2025, and modified in the field (if necessary) based on encountered conditions and professional judgment of MSG's field personnel. MSG advanced three (3) soil borings, designated 5285 SB01, 5285 SB02, and 5285 SB03, 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 9, 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.

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 three (3) soil samples, designated 5285 SB01 (1-2'), 5285 SB02 (3-4'), and 5285 SB03 (5-6'), and one (1) composite soil sample designated 5285 Harding SB01 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 14, 2025, and October 9, 2025.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 5285 SB01, 5285 SB02, and 5285 SB03 generally consisted of one to four and half feet of brown silty clay underlain by mottled silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.

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

4.2 Soil Sample Analytical Results

Three (3) soil samples, designated 5285 SB01 (1-2'), 5285 SB02 (3-4'), and 5285 SB03 (5-6'), were collected from the Site and submitted to ALS for laboratory analysis of VOCs, SVOCs, PCBs, Michigan 10 Metals, chloride, herbicides, and pesticides.

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

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

Chemical	CAS Number	Soil Sample (feet bgs)	Part 201 GRCC Exceeded / Concentration (µg/kg[1])	Maximum Detected Concentration (µg/kg)
Arsenic	7440-38-2	5285 SB01 (1-2') 5285 SB02 (3-4')	DWPC[2] / 4,600 GSIPC[3] / 4,600 DCC[4] / 7,600	10,000

[1]µg/kg – micrograms per kilogram;
[2]DWPC – Drinking Water Protection Criteria
[3]GSIPC – Groundwater Surface Water Protection Criteria
[4]DCC – Direct Contact Criteria

4.3 TCLP Analytical Results

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

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. Given that the site is residential, exceedances of DCC 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:

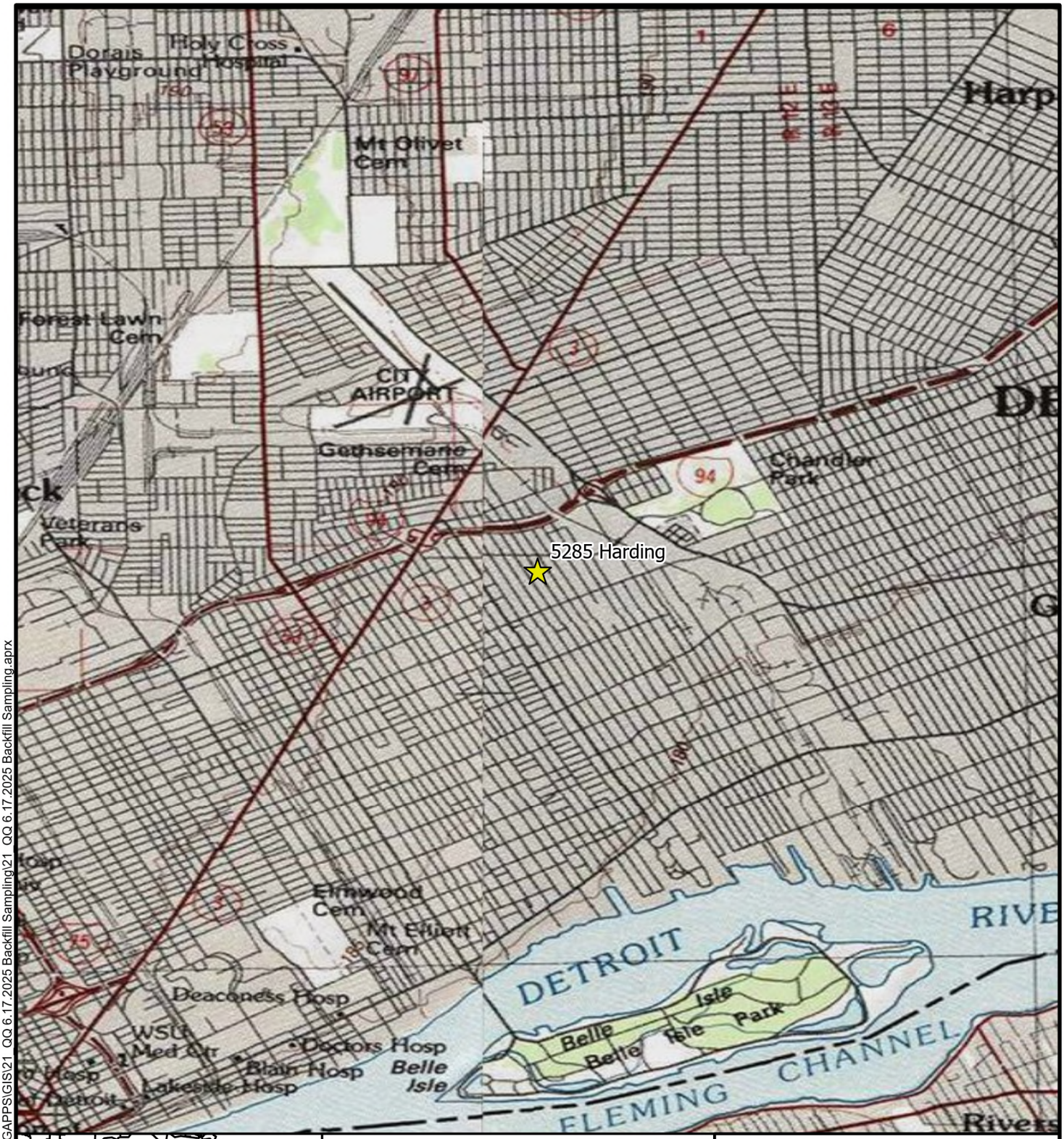
- The stratigraphy encountered during soil boring advancement of 5285 SB01, 5285 SB02, and 5285 SB03 generally consisted of one to four and half feet of brown silty clay underlain by mottled silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores were below instrument detection limits. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities.

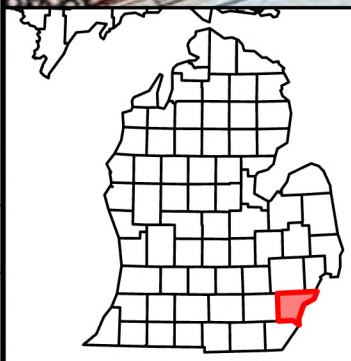
- Concentrations of arsenic were detected in soil samples 5285 SB01 (1-2') and 5285 SB02 (3-4') in excess of its respective Part 201 DWPC, GSIPC, and DCC.
- Concentrations of 4,4-DDD, 4,4-DDE, 4,4-DDT, alpha-chlordane, barium, chlordane, chloride, chromium (Total), copper, endosulfan I, gamma-chlordane, heptachlor epoxide, lead, mercury, and zinc were detected in the soil sample 5285 SB01 (1-2'), 5285 SB02 (3-4'), and/or 5285 SB03 (5-6') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- TCLP laboratory analytical results revealed that concentration of arsenic was 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.*
- SVOCs, VOCs, and PCBs 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. Given that the site is residential, exceedances of DCC 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

MSG

0 0.5 1 Miles

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www.MannikSmithGroup.com

FIGURE 1

SITE LOCATION

5285 Harding, Detroit, MI

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

Date Saved: 9/22/2025 8:38 PM Coordinate System: GCS WGS 1984
Path: W:\Projects\Projects A-E\DETR0060\ENGAPPS\GIS\21 QQ 6.17.2025 Backfill Sampling\21 QQ 6.17.2025 Backfill Sampling.aprx

Basemap Source: ESRI USA_Topo_Maps Web Service

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

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FIGURE 2

Site Layout

5285 Harding, Detroit, MI

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

Date Saved: 9/22/2025 8:38 PM
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TABLES

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
5285 Harding, 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
					Arsenic	Barium (B)	Cadmium (B)	Chromium (Total)	Copper (B)	Lead (B)	Mercury (B,Z)	Selenium (B)	Silver (B)	Zinc (B)	4,4;-DDD	4,4;-DDE	4,4;-DDT	Endosulfan I	Heptachlor Epoxide	alpha-Chlordane	gamma-Chlordane	Chlordane		Chloride
CAS Number					7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-50-8	7439-92-1	7439-97-6	7782-49-2	7440-22-4	7440-66-6	72548	72559	50-29-3	115297	1024573	NA	NA	57-74-9		16887006
Statewide Default Background Levels					5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000	NA	NA	NA	NA	NA	NA	NA	NA		NA
Drinking Water Protection Criteria (DWPC)					4,600	1.3E+06	6,000	30,000	5.8E+06	7.0E+05	1,700	4,000	4,500	2.4E+06	NLL	NLL	NLL	NLL	NLL	NA	NA	NLL		5.00E+06
Groundwater Surface Water Interface Protection Criteria (GSIPC)					4,600	(G)	(G,X)	3,300	(G)	(G,X)	50 (M); 1.2	400	100 (M); 27	(G)	NLL	NLL	NLL	NLL	NLL	NA	NA	NLL		(X)
Soil Volatilization to Indoor Air Inhalation (SVIIC)					NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV	NLV	NLV	NLV	ID	NLV	NA	NA	1.10E+07		NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)					NA	NA	NA	--	NA	NA	22 (M)	NA	NA	NA	NLV	NA	--	ID	NLV	NA	NA	13,000		--
Infinite Source Volatile Soil Inhalation Criteria (VSIC)					NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV	NLV	NLV	ID	NLV	NA	NA	1.20E+06		NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)					NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV	NLV	NLV	ID	NLV	NA	NA	1.20E+06		NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)					NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV	NLV	NLV	NLV	ID	NLV	NA	NA	1.20E+06		NLV
Particulate Soil Inhalation Criteria (PSIC)					7.2E+05	3.3E+08	1.7E+06	2.6E+05	1.3E+08	1.0E+08	2.0E+07	1.3E+08	6.7E+06	ID	4.4E+07	3.20E+07	3.20E+07	ID	1.20E+06	NA	NA	3.1E+07		ID
Direct Contact Criteria (DCC)					7,600	3.7E+07	5.5E+05	2.5E+06	2.0E+07	4.0E+05	1.6E+05	2.6E+06	2.5E+06	1.7E+08	95,000	45,000	57,000	1.40E+06	3,100	NA	NA	31,000		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
Recommended Interim Action Screening Level (RIASL)					NA	NA	NA	NA	NA	NA	2.7E-02	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	NA		--
SAMPLE ID	DEPTH	SAMPLE DATE																						
5285 SB01	1-2	8/14/2025	ND	ND	**10,000**	**81,200**	<1,350	**17,600**	**17,400**	**11,500**	**20.3**	<3,380	<3,380	**50,000**	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<28	ND	**32,000**
5285 SB02	3-4	8/14/2025	ND	ND	**8,600**	**52,400**	<1,500	**18,000**	**17,900**	**89,200**	**73.1**	<3,760	<3,760	**81,400**	**20**	**150**	**26**	**17**	**22**	**110**	**74**	**184**	ND	**54,900**
5285 SB03	5-6	8/14/2025	ND	ND	**5,600**	**74,800**	<1,270	**17,000**	**14,500**	**10,100**	<20.0	<3,180	<3,180	**50,200**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15	ND	<12,000

Notes:

Bold indicates concentration above laboratory reporting limits.

Exceeds DWPC

Exceeds GSIPC

Exceeds Applicable Soil Vapor Inhalation screening level

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

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

ND = Not Detected above laboratory reporting limits

NS = Not Sampled or Not Analyzed

NR = Not Reported (Data missing from provided report)

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

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

Table 2
TCLP Analytical Detection Summary

Detroit Backfill Sampling
5285 Harding, Detroit, Michigan

40 C.F.R. § 261.24 Code of Federal Regulations Title 40 - Protection of Environment Chapter I - Environmental Protection Agency Subchapter I - Solid Wastes Part 261- Identification and Listing of Hazardous Waste Subpart C - Characteristics of Hazardous Waste *Units: mg/L*		**TCLP Metals** Arsenic
Maximum Concentration of Contaminants for the Toxicity Characteristic		5.00
SAMPLE ID	SAMPLE DATE	
5285 Harding SB01 TCLP	10/9/2025	<0.0499

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: 08/14/2025 **Day:** Thursday
MSG Personnel: WRD, ZRG, JDF

Temp:	77º F	**(AM)**	N/A	**(PM)**
Cloud Cover:	~10%	**(AM)**	N/A	**(PM)**
Precip.:	None	**(AM)**	N/A	**(PM)**

Personnel: MSG
MSG Hours On-Site: 2.75 hours

Contractors Information

Contractor:	No. Men and Type:	Equipment Type:
MSG	3; Helper/Geologist/Driller	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:

- 1206 – ZRG & WRD onsite (5285 Harding St)
- 1209 – Unloaded equipment and checked boring locations
- 1214 – Began drilling SB01
- 1222 – Finished drilling SB01
- 1227 – Began drilling SB02
- 1245 – Finished drilling SB02
- 1248 – Began drilling SB03
- 1253 – Finished drilling SB03
- 1300 – Sampled 5285 SB01 (1-2')
- 1305 – Sampled 5285 SB02 (3-4')
- 1310 – Sampled 5285 SB03 (5-6')
- 1328 – Packed up equipment
- 1343 – Packed up samples for lab service center delivery
- 1443 – 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: 10/9/2025 **Day:** Thursday
MSG Personnel: SRK, JF
Personnel: MSG
MSG Hours On-Site: ~ 1 hours

		(AM)	(PM)
Temp:	40 º F	N/A	
Cloud Cover:	0%	N/A	
Precip.:	N/A	N/A	

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 TCLP of fill material from soil boring (composite sample of from zero to 6 feet bgs).

Field Notes:

- 0800 –SRK onsite (5285 Harding)
- 0802 – Attempted to locate previous boring locations. Marked out new boring location.
- 0805 – Prepared equipment.
- 0820 – JF on site
- 0825 – Safety meeting. Unloaded equipment.
- 0837 – Began drilling SB01 TCLP
- 0839 – Finished drilling SB01 TCLP
- 0847 – Sampled 5285 Harding SB01 TCLP
- 0855 – Collected GPS points
- 0900 – Packed up equipment
- 0905 – 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 TCLP soil boring activities

Photo 2: View of TCLP soil boring location

Photo 3: View of soil recovery at the time of TCLP sampling

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

Photo 5: View of soil recovery at the time of TCLP sampling

Photo 6: View of Site at the time of TCLP soil boring 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.BFS19
PROJECT LOCATION 5285 Harding, Detroit, MI
DATE STARTED 08-14-2025 **COMPLETED** 08-14-2025
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	ES	17		Brown Silty CLAY; dry	0.0	Collected soil sample 5285 SB01 (1-2) at 13:00
					0.0	
					0.0	
				- Little Brick debris at 3.5 ft bgs	0.0	
5					0.0	
				6.0	0.0	
				Terminated at 6.00 ft.		
10						
15						
20						

LEGEND:

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

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

BOREHOLE NUMBER SB02

CLIENT City of Detroit
PROJECT NAME Backfill Soil Sampling
PROJECT NUMBER DETR0060.BFS19
PROJECT LOCATION 5285 Harding, Detroit, MI
DATE STARTED 08-14-2025 **COMPLETED** 08-14-2025
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
				Brown Silty CLAY; dry	0.0	
					0.0	
					0.0	
	ES	67		- Some Brick debris 3 to 4 ft bgs	0.0	Collected soil sample 5285 SB02 (3-4) at 13:05
				- Becomes moist at 4 ft bgs & Black from 4 to 5 bgs	0.0	
5					0.0	
				6.0	0.0	
				Terminated at 6.00 ft.		
10						
15						
20						

LEGEND:

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

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

BOREHOLE NUMBER SB03

CLIENT City of Detroit
PROJECT NAME Backfill Soil Sampling
PROJECT NUMBER DETR0060.BFS19
PROJECT LOCATION 5285 Harding, Detroit, MI
DATE STARTED 08-14-2025 **COMPLETED** 08-14-2025
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
				Brown Silty CLAY; dry	0.0	
					0.0	
					0.0	
	ES	83			0.0	
				- Some Brick debris 3.5 to 4 ft bgs	0.0	
5				- Becomes Brown & Gray Mottled at 4.5 ft bgs	0.0	Collected soil sample 5285 SB03 (5-6) at 13:10
				6.0	0.0	
				Terminated at 6.00 ft.		
10						
15						
20						

LEGEND:

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

APPENDIX E

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY FORMS

right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order

HN2511538

Client

The Mannik & Smith Group, Inc.

Project

5285 Harding

Project Date

August 15, 2025

Reporting Contact

Ryan Montri

right solutions.
right partner.

September 12, 2025

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

Date Received: **08/15/2025**
Work Order: **HN2511538**

Re: **5285 Harding**

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:** HN2511538
Project: 5285 Harding **Date Received:** 15-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 15-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 8260D-FULL HN-5035A-10mL-S

Run ID: 3434986

The MS recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: see qc
The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane
The MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary. see qc
The MS recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: 1,1,2,2-tetrachloroethane
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):1,1,2,2-tetrachloroethane
The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: carbon disulfide

Metals

EPA 6020B-3050B-S

Run ID: 3418159

The MSD recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba, Pb, Zn Batch 2170128
The MS recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba, Pb, Zn Batch 2170128
The MS recovery was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Cu Batch 2170128
HN2511538-001: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag
HN2511538-001: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

Run ID: 3418159

HN2511538-001: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511538-002: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511538-002: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511538-002: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511538-003: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511538-003: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511538-003: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

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: 5285 SB01 (1-2)		Lab ID: HN2511538-001			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Arsenic	10.0		3.38	mg/kg	EPA 6020B
Barium	81.2		3.38	mg/kg	EPA 6020B
Chloride	32.0		11.4	mg/kg	EPA 9056A
Chromium	17.6		3.38	mg/kg	EPA 6020B
Copper	17.4		3.38	mg/kg	EPA 6020B
Lead	11.5		3.38	mg/kg	EPA 6020B
Mercury	0.0203		0.0200	mg/kg	EPA 7471B
Percent Moisture	13.3		0.1	%	EPA 3550C
Subcontract Analysis	See attached.			-	EPA 8151A
Subcontract Analysis	See attached.			-	EPA 8081B
Subcontract Analysis	See attached.			-	EPA 8082A
Subcontract Analysis	See attached.			-	EPA 8270E
Zinc	50.0		6.76	mg/kg	EPA 6020B

CLIENT ID: 5285 SB02 (3-4)		Lab ID: HN2511538-002			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Arsenic	8.60		3.76	mg/kg	EPA 6020B
Barium	52.4		3.76	mg/kg	EPA 6020B
Chloride	54.9		12.2	mg/kg	EPA 9056A
Chromium	18.0		3.76	mg/kg	EPA 6020B
Copper	17.9		3.76	mg/kg	EPA 6020B
Lead	89.2		3.76	mg/kg	EPA 6020B
Mercury	0.0731		0.0216	mg/kg	EPA 7471B
Percent Moisture	18.0		0.1	%	EPA 3550C
Subcontract Analysis	See attached.			-	EPA 8151A
Subcontract Analysis	See attached.			-	EPA 8081B
Subcontract Analysis	See attached.			-	EPA 8082A
Subcontract Analysis	See attached.			-	EPA 8270E
Zinc	81.4		7.53	mg/kg	EPA 6020B

CLIENT ID: 5285 SB03 (5-6)		Lab ID: HN2511538-003			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Arsenic	5.60		3.18	mg/kg	EPA 6020B
Barium	74.8		3.18	mg/kg	EPA 6020B
Chromium	17.0		3.18	mg/kg	EPA 6020B
Copper	14.5		3.18	mg/kg	EPA 6020B
Lead	10.1		3.18	mg/kg	EPA 6020B
Percent Moisture	16.9		0.1	%	EPA 3550C
Subcontract Analysis	See attached.			-	EPA 8151A
Subcontract Analysis	See attached.			-	EPA 8081B
Subcontract Analysis	See attached.			-	EPA 8082A

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: 5285 SB03 (5-6)		Lab ID: HN2511538-003			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Subcontract Analysis	See attached.			-	EPA 8270E
Zinc	50.2		6.36	mg/kg	EPA 6020B

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: 5285 Harding
Workorder: HN2511538

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2511538-001	5285 SB01 (1-2)	SOIL/SOLID	08/14/25 13:00	08/15/25 08:00
HN2511538-002	5285 SB02 (3-4)	SOIL/SOLID	08/14/25 13:05	08/15/25 08:00
HN2511538-003	5285 SB03 (5-6)	SOIL/SOLID	08/14/25 13:10	08/15/25 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	5285 Harding	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	5285 SB01 (1-2)	8/14/25	1300	Soil	METH	3	X	X	X	X	X	X	X				
2	5285 SB02 (3-4)	"	1305	Soil	"	3	X	X	X	X	X	X	X				
3	5285 SB03 (5-6)	"	1310	Soil	"	3	X	X	X	X	X	X	X				
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Environmental Division Holland

Work Order Reference

HN2511538

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

Results Due Date:

Relinquished by: WILEY DAVENPORT	**Date:** 8/14/25	**Time:** 1420	**Received by:**	**Notes:**	Quote# HN-061825-M&S-MA
Relinquished by:	**Date:** 8/14/25	**Time:** 1700	**Received by (Laboratory):**	**Cooler Temp.**	**QC Package: (Check Box Below)**
Logged by (Laboratory): BC	**Date:** 8/15/25	**Time:** 11:40	**Checked by (Laboratory):**	2.1°C IR6	☐ Level II: Standard QC ☐ TRRP-Checklist ☐ Level III: Std QC + Raw Data ☐ TRRP Level IV ☐ Level IV: SW846 CLP-Like ☐ Other:

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

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:	8/15/25 08:00
Carrier Name:	QS
Shipping container/cooler in good condition?	Yes / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / Not Present
Custody seals intact on sample bottles?	Yes / No / Not Present
Chain of Custody present?	Yes / No
COC signed when relinquished and received?	Yes / No
COC agrees with sample labels?	Yes / No
Samples in proper container/bottle?	Yes / No
Sample containers intact?	Yes / No
Sufficient sample volume for indicated test?	Yes / No
All samples received within holding time?	Yes / No
Container/Temp Blank temperature in compliance?	Yes / No
Temperature(s) (°C):	2.1°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:	8/15/25 11:45
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:** HN2511538
Project: 5285 Harding

Sample Name: 5285 SB01 (1-2) **Date Collected:** 08/14/25
Laboratory Code: HN2511538-001 **Date Received:** 08/15/25
Sample Matrix: SOIL/SOLID

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		001-AC	2172988		3420581	Everett Chudy
EPA 6020B	EPA 3050B	001-AC	2170128	Weston Kotecki	3418159	Hunter Johnson
EPA 7471B	Method	001-AC	2172932	Maxx Richey	3422787	Denise Coffey
EPA 8081B		001-AD			3490919	Bill Carey
EPA 8082A		001-AD			3490919	Bill Carey
EPA 8151A		001-AD			3490919	Bill Carey
EPA 8260D	EPA 5035A	001-AA	2162930	Jonathan Vazquez	3434986	John Garvale
EPA 8270E		001-AD			3490919	Bill Carey
EPA 9056A	EPA 9056A	001-AC	2166599	Quoc Nguyen	3412595	Riley Miller

Sample Name: 5285 SB02 (3-4) **Date Collected:** 08/14/25
Laboratory Code: HN2511538-002 **Date Received:** 08/15/25
Sample Matrix: SOIL/SOLID

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		002-AC	2172988		3420581	Everett Chudy
EPA 6020B	EPA 3050B	002-AC	2170128	Weston Kotecki	3418159	Hunter Johnson
EPA 7471B	Method	002-AC	2172932	Maxx Richey	3422787	Denise Coffey
EPA 8081B		002-AD			3490919	Bill Carey
EPA 8082A		002-AD			3490919	Bill Carey
EPA 8151A		002-AD			3490919	Bill Carey
EPA 8260D	EPA 5035A	002-AA	2162930	Jonathan Vazquez	3434986	John Garvale
EPA 8270E		002-AD			3490919	Bill Carey
EPA 9056A	EPA 9056A	002-AC	2166599	Quoc Nguyen	3412595	Riley Miller

Sample Name: 5285 SB03 (5-6) **Date Collected:** 08/14/25
Laboratory Code: HN2511538-003 **Date Received:** 08/15/25
Sample Matrix: SOIL/SOLID

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 3550C		003-AC	2172988		3420581	Everett Chudy

ANALYST SUMMARY

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding		

Sample Name:	5285 SB03 (5-6)	**Date Collected:**	08/14/25
Laboratory Code:	HN2511538-003	**Date Received:**	08/15/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3050B	003-AC	2170128	Weston Kotecki	3418159	Hunter Johnson
EPA 7471B	Method	003-AC	2172932	Maxx Richey	3422787	Denise Coffey
EPA 8081B		003-AD			3490919	Bill Carey
EPA 8082A		003-AD			3490919	Bill Carey
EPA 8151A		003-AD			3490919	Bill Carey
EPA 8260D	EPA 5035A	003-AA	2162930	Jonathan Vazquez	3434986	John Garvale
EPA 8270E		003-AD			3490919	Bill Carey
EPA 9056A	EPA 9056A	003-AC	2166599	Quoc Nguyen	3412595	Riley Miller

Analytical Report

Client: The Mannik & Smith Group, Inc.
Project: 5285 Harding
Matrix: SOIL/SOLID

Work Order: HN2511538
Date Collected: 08/14/25 13:00
Date Received: 08/15/25 08:00

CLIENT ID: 5285 SB01 (1-2) **Lab ID: HN2511538-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**13.3**		%	0.1	1	08/21/25 14:45	NA
Chloride	EPA 9056A	**32.0**		mg/kg	11.4	1	08/18/25 22:49	08/18/25 15:49
Metals								
Arsenic	EPA 6020B	**10.0**		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Barium	EPA 6020B	**81.2**		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Cadmium	EPA 6020B	ND		mg/kg	1.35	10	08/20/25 21:52	08/20/25 10:10
Chromium	EPA 6020B	**17.6**		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Copper	EPA 6020B	**17.4**		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Lead	EPA 6020B	**11.5**		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Selenium	EPA 6020B	ND		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Silver	EPA 6020B	ND		mg/kg	3.38	10	08/20/25 21:52	08/20/25 10:10
Zinc	EPA 6020B	**50.0**		mg/kg	6.76	10	08/20/25 21:52	08/20/25 10:10
Mercury	EPA 7471B	**0.0203**		mg/kg	0.0200	1	08/22/25 09:23	08/21/25 15:34
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8082A	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8151A	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8270E	**See attached.**		-		1	09/12/25 16:25	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding	**Date Collected:**	08/14/25 13:00
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5285 SB01 (1-2) **Lab ID: HN2511538-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	66.6	1	08/26/25 03:54	08/15/25 15:57
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	222	1	08/26/25 03:54	08/15/25 15:57
2-Hexanone	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Acetone	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
Benzene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Bromochloromethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Bromodichloromethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Bromoform	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Carbon disulfide	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Carbon tetrachloride	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Chlorobenzene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Chlorodibromomethane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
Chloroform	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	66.6	1	08/26/25 03:54	08/15/25 15:57
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Cyclohexane	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
Ethylbenzene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Isopropylbenzene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding	**Date Collected:**	08/14/25 13:00
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5285 SB01 (1-2) **Lab ID: HN2511538-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	66.6	1	08/26/25 03:54	08/15/25 15:57
Methyl acetate	EPA 8260D	ND		µg/kg	277	1	08/26/25 03:54	08/15/25 15:57
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	111	1	08/26/25 03:54	08/15/25 15:57
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Methylcyclohexane	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	277	1	08/26/25 03:54	08/15/25 15:57
o-Xylene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Styrene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Toluene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Total Xylene	EPA 8260D	ND		µg/kg	99.8	1	08/26/25 03:54	08/15/25 15:57
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	33.3	1	08/26/25 03:54	08/15/25 15:57
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***94.0***		*%REC*	*80-120*	*1*	*08/26/25 03:54*	*08/15/25 15:57*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***102***		*%REC*	*80-120*	*1*	*08/26/25 03:54*	*08/15/25 15:57*
Surr: Dibromofluoromethane	*EPA 8260D*	***90.4***		*%REC*	*72-120*	*1*	*08/26/25 03:54*	*08/15/25 15:57*
Surr: Toluene-d8	*EPA 8260D*	***102***		*%REC*	*80-120*	*1*	*08/26/25 03:54*	*08/15/25 15:57*

Analytical Report

Client: The Mannik & Smith Group, Inc.
Project: 5285 Harding
Matrix: SOIL/SOLID

Work Order: HN2511538
Date Collected: 08/14/25 13:05
Date Received: 08/15/25 08:00

CLIENT ID: 5285 SB02 (3-4) **Lab ID: HN2511538-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**18.0**		%	0.1	1	08/21/25 14:45	NA
Chloride	EPA 9056A	**54.9**		mg/kg	12.2	1	08/18/25 22:57	08/18/25 15:49
Metals								
Arsenic	EPA 6020B	**8.60**		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Barium	EPA 6020B	**52.4**		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Cadmium	EPA 6020B	ND		mg/kg	1.50	10	08/20/25 21:54	08/20/25 10:10
Chromium	EPA 6020B	**18.0**		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Copper	EPA 6020B	**17.9**		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Lead	EPA 6020B	**89.2**		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Selenium	EPA 6020B	ND		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Silver	EPA 6020B	ND		mg/kg	3.76	10	08/20/25 21:54	08/20/25 10:10
Zinc	EPA 6020B	**81.4**		mg/kg	7.53	10	08/20/25 21:54	08/20/25 10:10
Mercury	EPA 7471B	**0.0731**		mg/kg	0.0216	1	08/22/25 09:25	08/21/25 15:34
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8082A	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8151A	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8270E	**See attached.**		-		1	09/12/25 16:25	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding	**Date Collected:**	08/14/25 13:05
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5285 SB02 (3-4) **Lab ID: HN2511538-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	75.8	1	08/26/25 04:13	08/15/25 15:57
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	252	1	08/26/25 04:13	08/15/25 15:57
2-Hexanone	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Acetone	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
Benzene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Bromochloromethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Bromodichloromethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Bromoform	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Carbon disulfide	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Carbon tetrachloride	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Chlorobenzene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Chlorodibromomethane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
Chloroform	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	75.8	1	08/26/25 04:13	08/15/25 15:57
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Cyclohexane	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
Ethylbenzene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Isopropylbenzene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding	**Date Collected:**	08/14/25 13:05
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5285 SB02 (3-4) **Lab ID: HN2511538-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	75.8	1	08/26/25 04:13	08/15/25 15:57
Methyl acetate	EPA 8260D	ND		µg/kg	316	1	08/26/25 04:13	08/15/25 15:57
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	126	1	08/26/25 04:13	08/15/25 15:57
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Methylcyclohexane	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	316	1	08/26/25 04:13	08/15/25 15:57
o-Xylene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Styrene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Toluene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Total Xylene	EPA 8260D	ND		µg/kg	114	1	08/26/25 04:13	08/15/25 15:57
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	37.9	1	08/26/25 04:13	08/15/25 15:57
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***97.0***		*%REC*	*80-120*	*1*	*08/26/25 04:13*	*08/15/25 15:57*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***101***		*%REC*	*80-120*	*1*	*08/26/25 04:13*	*08/15/25 15:57*
Surr: Dibromofluoromethane	*EPA 8260D*	***91.6***		*%REC*	*72-120*	*1*	*08/26/25 04:13*	*08/15/25 15:57*
Surr: Toluene-d8	*EPA 8260D*	***105***		*%REC*	*80-120*	*1*	*08/26/25 04:13*	*08/15/25 15:57*

Analytical Report

Client: The Mannik & Smith Group, Inc.
Project: 5285 Harding
Matrix: SOIL/SOLID

Work Order: HN2511538
Date Collected: 08/14/25 13:10
Date Received: 08/15/25 08:00

CLIENT ID: 5285 SB03 (5-6) **Lab ID: HN2511538-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**16.9**		%	0.1	1	08/21/25 14:45	NA
Chloride	EPA 9056A	ND		mg/kg	12.0	1	08/18/25 23:05	08/18/25 15:49
Metals								
Arsenic	EPA 6020B	**5.60**		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Barium	EPA 6020B	**74.8**		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Cadmium	EPA 6020B	ND		mg/kg	1.27	10	08/20/25 21:56	08/20/25 10:10
Chromium	EPA 6020B	**17.0**		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Copper	EPA 6020B	**14.5**		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Lead	EPA 6020B	**10.1**		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Selenium	EPA 6020B	ND		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Silver	EPA 6020B	ND		mg/kg	3.18	10	08/20/25 21:56	08/20/25 10:10
Zinc	EPA 6020B	**50.2**		mg/kg	6.36	10	08/20/25 21:56	08/20/25 10:10
Mercury	EPA 7471B	ND		mg/kg	0.0200	1	08/22/25 09:33	08/21/25 15:34
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8082A	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8151A	**See attached.**		-		1	09/12/25 16:25	NA
Subcontract Analysis	EPA 8270E	**See attached.**		-		1	09/12/25 16:25	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding	**Date Collected:**	08/14/25 13:10
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5285 SB03 (5-6) **Lab ID: HN2511538-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	77.6	1	08/26/25 04:31	08/15/25 15:57
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	259	1	08/26/25 04:31	08/15/25 15:57
2-Hexanone	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Acetone	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
Benzene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Bromochloromethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Bromodichloromethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Bromoform	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Carbon disulfide	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Carbon tetrachloride	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Chlorobenzene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Chlorodibromomethane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
Chloroform	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	77.6	1	08/26/25 04:31	08/15/25 15:57
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Cyclohexane	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
Ethylbenzene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Isopropylbenzene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511538
Project:	5285 Harding	**Date Collected:**	08/14/25 13:10
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5285 SB03 (5-6) **Lab ID: HN2511538-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	77.6	1	08/26/25 04:31	08/15/25 15:57
Methyl acetate	EPA 8260D	ND		µg/kg	323	1	08/26/25 04:31	08/15/25 15:57
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	129	1	08/26/25 04:31	08/15/25 15:57
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Methylcyclohexane	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	323	1	08/26/25 04:31	08/15/25 15:57
o-Xylene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Styrene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Toluene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Total Xylene	EPA 8260D	ND		µg/kg	116	1	08/26/25 04:31	08/15/25 15:57
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	38.8	1	08/26/25 04:31	08/15/25 15:57
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***94.8***		*%REC*	*80-120*	*1*	*08/26/25 04:31*	*08/15/25 15:57*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***104***		*%REC*	*80-120*	*1*	*08/26/25 04:31*	*08/15/25 15:57*
Surr: Dibromofluoromethane	*EPA 8260D*	***89.8***		*%REC*	*72-120*	*1*	*08/26/25 04:31*	*08/15/25 15:57*
Surr: Toluene-d8	*EPA 8260D*	***101***		*%REC*	*80-120*	*1*	*08/26/25 04:31*	*08/15/25 15:57*

November 19, 2025 Service Request No:R2510220

Bill Carey
ALS Environmental - Holland
3352 128th Avenue
Holland, MI 49424

Laboratory Results for: 5285 harding

Dear Bill,

Enclosed are the results of the sample(s) submitted to our laboratory August 20, 2025
For your reference, these analyses have been assigned our service request number **R2510220.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Received: 08/20/2025

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:

Three soil samples were received for analysis at ALS Environmental on 08/20/2025. 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.

Semivolatiles by GC/MS:

Method 8270E, 09/04/2025: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
Method 8270E: The Method Reporting Limit (MRL) was elevated due to less than optimal sample mass (15g) used in the microwave preparation process. The nature of the sample necessitated using less mass of sample to avoid overheating. Overheating causes the extraction solvent to vent out of the vessel and may cause damage to the microwave vessels.

Semivoa GC:

Method 8081B, 09/10/2025: The control limits were exceeded for analytes in the Continuing Calibration Verification (CCV). The QC failure was most likely due to the composition of the sample(s) immediately preceding the failing CCV. In order to protect the integrity of the instrument, no further corrective action was taken. Results should be considered estimated.
Method 8151A, 09/04/2025: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

General Chemistry:

No significant anomalies were noted with this analysis.

Approved by _____ Date 11/19/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: 5285 SB03 (5-6)			Lab ID: R2510220-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
3- and 4-Methylphenol Coelution	220	J	75	390	ug/Kg	8270E
Total Solids	83.1				Percent	ALS SOP

CLIENT ID: 5285 SB02 (3-4)			Lab ID: R2510220-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
4,4'-DDD	20		3.1	6.2	ug/Kg	8081B
4,4'-DDE	150		3.1	6.2	ug/Kg	8081B
4,4'-DDT	26		3.1	6.2	ug/Kg	8081B
alpha-Chlordane	110	P	3.1	6.2	ug/Kg	8081B
Benz(a)anthracene	190	J	180	1200	ug/Kg	8270E
Benzo(b)fluoranthene	240	J	200	1200	ug/Kg	8270E
Chrysene	190	J	180	1200	ug/Kg	8270E
Endosulfan I	17		3.1	6.2	ug/Kg	8081B
Fluoranthene	390	J	300	1200	ug/Kg	8270E
gamma-Chlordane	74		3.1	6.2	ug/Kg	8081B
Heptachlor Epoxide	22	P	3.1	6.2	ug/Kg	8081B
Phenanthrene	180	J	170	1200	ug/Kg	8270E
Pyrene	300	J	200	1200	ug/Kg	8270E
Total Solids	82.0				Percent	ALS SOP

CLIENT ID: 5285 SB01 (1-2)			Lab ID: R2510220-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
4,4'-DDE	5.2	J	2.9	5.7	ug/Kg	8081B
Benzo(b)fluoranthene	74	J	64	380	ug/Kg	8270E
Chrysene	64	J	56	380	ug/Kg	8270E
Fluoranthene	130	J	96	380	ug/Kg	8270E
Pyrene	110	J	64	380	ug/Kg	8270E
Total Solids	86.7				Percent	ALS SOP

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ALS Environmental - US **Service Request:**R2510220
Project: 5285 harding

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2510220-001	5285 SB01 (1-2)	8/14/2025	1300
R2510220-002	5285 SB02 (3-4)	8/14/2025	1305
R2510220-003	5285 SB03 (5-6)	8/14/2025	1310

ALS Group USA, Corp.
3352 128th Ave Holland Michigan 49424 United States
T+1 616 399 6070 | F

right solutions, right partner.

Subcontract Chain of Custody

SAMPLING STATE:

COC ID: HN2511538

Subcontract To:
Rochester - Environmental TEL: +1 585 288 5380
1565 Jefferson Road, Building 300, Suite 360 FAX:
Rochester New York 14623

Due Date: 08/26/2025
Analysis Report Format: ALS Standard – Level II
Electronic Data Deliverable:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		**Project Name**	5285 Harding	**A**	EPA 8081B-3546-S (INT SUB)
Work Order	HN2511538			**B**	EPA 8082A-3546-S (INT SUB)
Company Name	Holland - Environmental	**Bill To Company**	Holland - Environmental	**C**	EPA 8151A-S (INT SUB)
Send Report To	Bill Carey	**Inv Attn**	Accounts Payable	**D**	EPA 8270E-TCL-3546-S (INT SUB)
Address	3352 128th Ave	**Address**	3352 128th Ave	**E**	
				F	
City/State/Zip	Holland Michigan 49424	**City/State/Zip**	Holland Michigan 49424	**G**	
Phone	+1 616 399 6070	**Phone**	+1 616 399 6070	**H**	
Fax		**Fax**		**I**	
Email Address	bill.carey@alsglobal.com			**J**	

ALS Sample ID	Client Sample ID	Matrix	Collection Date	Bottle	A	B	C	D	E	F	G	H	I	J
HN2511538-001	5285 SB01 (1-2)	Soil/Solid	08/14/2025 13:00	001-AD	x	x	x	x						
HN2511538-002	5285 SB02 (3-4)	Soil/Solid	08/14/2025 13:05	002-AD	x	x	x	x						
HN2511538-003	5285 SB03 (5-6)	Soil/Solid	08/14/2025 13:10	003-AD	x	x	x	x						

Relinquished by	Date Time	Received by	Date Time
Relinquished by	Date Time	Received by	Date Time
Sampled by			

Cooler ID's

R2510220 5
ALS Environmental - Holland
6286 harding

R2510220 5
ALS Environmental - Holland
6285 harding

Cooler Receipt and Preservation Check Form

Project/Client ALS Folder Number

Cooler received on 8/20/25 by: RM

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	
2	**Custody papers** properly completed (ink, signed)?	(Y) N	
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	

5a	Did **VOA** vials have sig* **bubbles?**	Y N (NA)	
5b	Sig* bubbles: **Alk?** Y N (NA)	**Sulfide?** Y N (NA)	
6	Where did the bottles originate?	ALS/ROC (CLIENT)	
7	Soil VOA received as: Bulk Encore 5035set (NA)		

8. Temperature Readings Date: 8/20/25 Time: 10:01 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Temp (°C)	4.2	4.5	5.5				
Within 0-6°C?	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SMO by RM on 8/20 at 12:16

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 8/20/25 Time: 16:30 by: MM

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 062325-152

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: MM

*significant air bubbles: VOA > 5-6 mm ; WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Texas ID#T104704581
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: ALS Environmental - US **Service Request:** R2510220
Project: 5285 harding

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8270E	Soil	1-Methylnaphthalene
ALS SOP	Soil	Total Solids

Client: ALS Environmental - US **Service Request:** R2510220
Project: 5285 harding/

Sample Name: 5285 SB01 (1-2) **Date Collected:** 08/14/25
Lab Code: R2510220-001 **Date Received:** 08/20/25
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8270E	JVANHEYNINGEN	AMOSES
ALS SOP		CKUTZER

Sample Name: 5285 SB02 (3-4) **Date Collected:** 08/14/25
Lab Code: R2510220-002 **Date Received:** 08/20/25
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8270E	JVANHEYNINGEN	AMOSES
ALS SOP		CKUTZER

Sample Name: 5285 SB03 (5-6) **Date Collected:** 08/14/25
Lab Code: R2510220-003 **Date Received:** 08/20/25
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8270E	JVANHEYNINGEN	AMOSES
ALS SOP		CKUTZER

PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7 / 200.8	200.2
6010D	3005A/3010A
6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010D	3050B
6010D TCLP (1311) extract	3005A/3010A
6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":
For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:00
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510220-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	70	U	380	70	1	08/26/25 20:20	8/25/25	
1,2,4,5-Tetrachlorobenzene	85	U	380	85	1	08/26/25 20:20	8/25/25	
2-Methylnaphthalene	140	U	380	140	1	08/26/25 20:20	8/25/25	
Acenaphthene	72	U	380	72	1	08/26/25 20:20	8/25/25	
Acenaphthylene	77	U	380	77	1	08/26/25 20:20	8/25/25	
Anthracene	64	U	380	64	1	08/26/25 20:20	8/25/25	
Benz(a)anthracene	57	U	380	57	1	08/26/25 20:20	8/25/25	
Benzo(a)pyrene	110	U	380	110	1	08/26/25 20:20	8/25/25	
Benzo(b)fluoranthene	**74**	**J**	380	64	1	08/26/25 20:20	8/25/25	
Benzo(g,h,i)perylene	88	U	380	88	1	08/26/25 20:20	8/25/25	
1,4-Dichlorobenzene	64	U	380	64	1	08/26/25 20:20	8/25/25	
Benzo(k)fluoranthene	62	U	380	62	1	08/26/25 20:20	8/25/25	
Biphenyl	120	U	380	120	1	08/26/25 20:20	8/25/25	
Chrysene	**64**	**J**	380	56	1	08/26/25 20:20	8/25/25	
Dibenz(a,h)anthracene	83	U	380	83	1	08/26/25 20:20	8/25/25	
1,4-Dioxane	37	U	77	37	1	08/26/25 20:20	8/25/25	
Dibenzofuran	70	U	380	70	1	08/26/25 20:20	8/25/25	
Fluoranthene	**130**	**J**	380	96	1	08/26/25 20:20	8/25/25	
Fluorene	72	U	380	72	1	08/26/25 20:20	8/25/25	
Indeno(1,2,3-cd)pyrene	130	U	380	130	1	08/26/25 20:20	8/25/25	
Naphthalene	72	U	380	72	1	08/26/25 20:20	8/25/25	
Phenanthrene	54	U	380	54	1	08/26/25 20:20	8/25/25	
Pyrene	**110**	**J**	380	64	1	08/26/25 20:20	8/25/25	
2,3,4,6-Tetrachlorophenol	140	U	380	140	1	08/26/25 20:20	8/25/25	
2,4,5-Trichlorophenol	94	U	380	94	1	08/26/25 20:20	8/25/25	
2,4,6-Trichlorophenol	85	U	380	85	1	08/26/25 20:20	8/25/25	
2,4-Dichlorophenol	73	U	380	73	1	08/26/25 20:20	8/25/25	
2,4-Dimethylphenol	69	U	380	69	1	08/26/25 20:20	8/25/25	
2,4-Dinitrophenol	650	U	2000	650	1	08/26/25 20:20	8/25/25	
2,4-Dinitrotoluene	150	U	380	150	1	08/26/25 20:20	8/25/25	
2,6-Dinitrotoluene	83	U	380	83	1	08/26/25 20:20	8/25/25	
2-Chloronaphthalene	76	U	380	76	1	08/26/25 20:20	8/25/25	
2-Chlorophenol	64	U	380	64	1	08/26/25 20:20	8/25/25	
2-Methylphenol	79	U	380	79	1	08/26/25 20:20	8/25/25	
2-Nitroaniline	90	U	2000	90	1	08/26/25 20:20	8/25/25	
2-Nitrophenol	89	U	380	89	1	08/26/25 20:20	8/25/25	
3,3'-Dichlorobenzidine	140	U	380	140	1	08/26/25 20:20	8/25/25	
3- and 4-Methylphenol Coelution	73	U	380	73	1	08/26/25 20:20	8/25/25	
3-Nitroaniline	77	U	2000	77	1	08/26/25 20:20	8/25/25	
4,6-Dinitro-2-methylphenol	220	U	2000	220	1	08/26/25 20:20	8/25/25	
4-Bromophenyl Phenyl Ether	100	U	380	100	1	08/26/25 20:20	8/25/25	
4-Chloro-3-methylphenol	77	U	380	77	1	08/26/25 20:20	8/25/25	
4-Chloroaniline	140	U	380	140	1	08/26/25 20:20	8/25/25	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:00
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510220-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	82 U	380	82	1	08/26/25 20:20	8/25/25	
4-Nitroaniline	82 U	2000	82	1	08/26/25 20:20	8/25/25	
4-Nitrophenol	200 U	2000	200	1	08/26/25 20:20	8/25/25	
Acetophenone	110 U	380	110	1	08/26/25 20:20	8/25/25	
Atrazine	120 U	380	120	1	08/26/25 20:20	8/25/25	
Benzaldehyde	92 U	2000	92	1	08/26/25 20:20	8/25/25	
Benzoic Acid	600 U	2000	600	1	08/26/25 20:20	8/25/25	
Bis(1-chloroisopropyl) Ether	78 U	380	78	1	08/26/25 20:20	8/25/25	
Bis(2-chloroethoxy)methane	93 U	380	93	1	08/26/25 20:20	8/25/25	
Bis(2-chloroethyl) Ether	75 U	380	75	1	08/26/25 20:20	8/25/25	
Bis(2-ethylhexyl) Phthalate	70 U	580	70	1	08/26/25 20:20	8/25/25	
Butyl Benzyl Phthalate	120 U	380	120	1	08/26/25 20:20	8/25/25	
Caprolactam	84 U	380	84	1	08/26/25 20:20	8/25/25	
Carbazole	62 U	380	62	1	08/26/25 20:20	8/25/25	
Di-n-butyl Phthalate	62 U	380	62	1	08/26/25 20:20	8/25/25	
Di-n-octyl Phthalate	140 U	380	140	1	08/26/25 20:20	8/25/25	
Diethyl Phthalate	68 U	380	68	1	08/26/25 20:20	8/25/25	
Dimethyl Phthalate	73 U	380	73	1	08/26/25 20:20	8/25/25	
Hexachlorobenzene	92 U	380	92	1	08/26/25 20:20	8/25/25	
Hexachlorobutadiene	140 U	380	140	1	08/26/25 20:20	8/25/25	
Hexachlorocyclopentadiene	130 U	380	130	1	08/26/25 20:20	8/25/25	
Hexachloroethane	72 U	380	72	1	08/26/25 20:20	8/25/25	
Isophorone	80 U	380	80	1	08/26/25 20:20	8/25/25	
N-Nitrosodi-n-propylamine	120 U	380	120	1	08/26/25 20:20	8/25/25	
N-Nitrosodiphenylamine	240 U	380	240	1	08/26/25 20:20	8/25/25	
Nitrobenzene	68 U	380	68	1	08/26/25 20:20	8/25/25	
Pentachlorophenol (PCP)	380 U	2000	380	1	08/26/25 20:20	8/25/25	
Phenol	77 U	380	77	1	08/26/25 20:20	8/25/25	
Pyridine	52 U	2000	52	1	08/26/25 20:20	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	70	18 - 104	08/26/25 20:20	
Nitrobenzene-d5	66	12 - 98	08/26/25 20:20	
p-Terphenyl-d14	92	26 - 134	08/26/25 20:20	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:05
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510220-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	270 U	1200	270	1	08/27/25 22:57	8/26/25	
1-Methylnaphthalene	220 U	1200	220	1	08/27/25 22:57	8/26/25	
2-Methylnaphthalene	420 U	1200	420	1	08/27/25 22:57	8/26/25	
Acenaphthene	230 U	1200	230	1	08/27/25 22:57	8/26/25	
Acenaphthylene	240 U	1200	240	1	08/27/25 22:57	8/26/25	
Anthracene	200 U	1200	200	1	08/27/25 22:57	8/26/25	
Benz(a)anthracene	**190 J**	1200	180	1	08/27/25 22:57	8/26/25	
Benzo(a)pyrene	320 U	1200	320	1	08/27/25 22:57	8/26/25	
Benzo(b)fluoranthene	**240 J**	1200	200	1	08/27/25 22:57	8/26/25	
Benzo(g,h,i)perylene	280 U	1200	280	1	08/27/25 22:57	8/26/25	
1,4-Dichlorobenzene	200 U	1200	200	1	08/27/25 22:57	8/26/25	
Benzo(k)fluoranthene	200 U	1200	200	1	08/27/25 22:57	8/26/25	
Biphenyl	350 U	1200	350	1	08/27/25 22:57	8/26/25	
Chrysene	**190 J**	1200	180	1	08/27/25 22:57	8/26/25	
Dibenz(a,h)anthracene	260 U	1200	260	1	08/27/25 22:57	8/26/25	
1,4-Dioxane	120 U	240	120	1	08/27/25 22:57	8/26/25	
Dibenzofuran	220 U	1200	220	1	08/27/25 22:57	8/26/25	
Fluoranthene	**390 J**	1200	300	1	08/27/25 22:57	8/26/25	
Fluorene	230 U	1200	230	1	08/27/25 22:57	8/26/25	
Indeno(1,2,3-cd)pyrene	380 U	1200	380	1	08/27/25 22:57	8/26/25	
Naphthalene	230 U	1200	230	1	08/27/25 22:57	8/26/25	
Phenanthrene	**180 J**	1200	170	1	08/27/25 22:57	8/26/25	
Pyrene	**300 J**	1200	200	1	08/27/25 22:57	8/26/25	
2,3,4,6-Tetrachlorophenol	420 U	1200	420	1	08/27/25 22:57	8/26/25	
2,4,5-Trichlorophenol	300 U	1200	300	1	08/27/25 22:57	8/26/25	
2,4,6-Trichlorophenol	270 U	1200	270	1	08/27/25 22:57	8/26/25	
2,4-Dichlorophenol	230 U	1200	230	1	08/27/25 22:57	8/26/25	
2,4-Dimethylphenol	220 U	1200	220	1	08/27/25 22:57	8/26/25	
2,4-Dinitrophenol	2100 U	6100	2100	1	08/27/25 22:57	8/26/25	
2,4-Dinitrotoluene	460 U	1200	460	1	08/27/25 22:57	8/26/25	
2,6-Dinitrotoluene	260 U	1200	260	1	08/27/25 22:57	8/26/25	
2-Chloronaphthalene	240 U	1200	240	1	08/27/25 22:57	8/26/25	
2-Chlorophenol	200 U	1200	200	1	08/27/25 22:57	8/26/25	
2-Methylphenol	250 U	1200	250	1	08/27/25 22:57	8/26/25	
2-Nitroaniline	280 U	6100	280	1	08/27/25 22:57	8/26/25	
2-Nitrophenol	280 U	1200	280	1	08/27/25 22:57	8/26/25	
3,3'-Dichlorobenzidine	430 U	1200	430	1	08/27/25 22:57	8/26/25	
3- and 4-Methylphenol Coelution	230 U	1200	230	1	08/27/25 22:57	8/26/25	
3-Nitroaniline	240 U	6100	240	1	08/27/25 22:57	8/26/25	
4,6-Dinitro-2-methylphenol	670 U	6100	670	1	08/27/25 22:57	8/26/25	
4-Bromophenyl Phenyl Ether	320 U	1200	320	1	08/27/25 22:57	8/26/25	
4-Chloro-3-methylphenol	240 U	1200	240	1	08/27/25 22:57	8/26/25	
4-Chloroaniline	430 U	1200	430	1	08/27/25 22:57	8/26/25	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:05
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510220-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	260 U	1200	260	1	08/27/25 22:57	8/26/25	
4-Nitroaniline	260 U	6100	260	1	08/27/25 22:57	8/26/25	
4-Nitrophenol	610 U	6100	610	1	08/27/25 22:57	8/26/25	
Acetophenone	340 U	1200	340	1	08/27/25 22:57	8/26/25	
Atrazine	360 U	1200	360	1	08/27/25 22:57	8/26/25	
Benzaldehyde	290 U	6100	290	1	08/27/25 22:57	8/26/25	
Benzoic Acid	1900 U	6100	1900	1	08/27/25 22:57	8/26/25	
Bis(1-chloroisopropyl) Ether	250 U	1200	250	1	08/27/25 22:57	8/26/25	
Bis(2-chloroethoxy)methane	290 U	1200	290	1	08/27/25 22:57	8/26/25	
Bis(2-chloroethyl) Ether	240 U	1200	240	1	08/27/25 22:57	8/26/25	
Bis(2-ethylhexyl) Phthalate	220 U	1800	220	1	08/27/25 22:57	8/26/25	
Butyl Benzyl Phthalate	350 U	1200	350	1	08/27/25 22:57	8/26/25	
Caprolactam	260 U	1200	260	1	08/27/25 22:57	8/26/25	
Carbazole	200 U	1200	200	1	08/27/25 22:57	8/26/25	
Di-n-butyl Phthalate	200 U	1200	200	1	08/27/25 22:57	8/26/25	
Di-n-octyl Phthalate	420 U	1200	420	1	08/27/25 22:57	8/26/25	
Diethyl Phthalate	210 U	1200	210	1	08/27/25 22:57	8/26/25	
Dimethyl Phthalate	230 U	1200	230	1	08/27/25 22:57	8/26/25	
Hexachlorobenzene	290 U	1200	290	1	08/27/25 22:57	8/26/25	
Hexachlorobutadiene	420 U	1200	420	1	08/27/25 22:57	8/26/25	
Hexachlorocyclopentadiene	380 U	1200	380	1	08/27/25 22:57	8/26/25	
Hexachloroethane	230 U	1200	230	1	08/27/25 22:57	8/26/25	
Isophorone	250 U	1200	250	1	08/27/25 22:57	8/26/25	
N-Nitrosodi-n-propylamine	370 U	1200	370	1	08/27/25 22:57	8/26/25	
N-Nitrosodiphenylamine	740 U	1200	740	1	08/27/25 22:57	8/26/25	
Nitrobenzene	220 U	1200	220	1	08/27/25 22:57	8/26/25	
Pentachlorophenol (PCP)	1200 U	6100	1200	1	08/27/25 22:57	8/26/25	
Phenol	240 U	1200	240	1	08/27/25 22:57	8/26/25	
Pyridine	160 U	6100	160	1	08/27/25 22:57	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	45	18 - 104	08/27/25 22:57	
Nitrobenzene-d5	45	12 - 98	08/27/25 22:57	
p-Terphenyl-d14	58	26 - 134	08/27/25 22:57	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:10
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510220-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	72	U	390	72	1	09/04/25 15:32	8/28/25	
1,2,4,5-Tetrachlorobenzene	87	U	390	87	1	09/04/25 15:32	8/28/25	
2-Methylnaphthalene	140	U	390	140	1	09/04/25 15:32	8/28/25	
Acenaphthene	74	U	390	74	1	09/04/25 15:32	8/28/25	
Acenaphthylene	79	U	390	79	1	09/04/25 15:32	8/28/25	
Anthracene	66	U	390	66	1	09/04/25 15:32	8/28/25	
Benz(a)anthracene	58	U	390	58	1	09/04/25 15:32	8/28/25	
Benzo(a)pyrene	110	U	390	110	1	09/04/25 15:32	8/28/25	
Benzo(b)fluoranthene	65	U	390	65	1	09/04/25 15:32	8/28/25	
Benzo(g,h,i)perylene	90	U	390	90	1	09/04/25 15:32	8/28/25	
Benzo(k)fluoranthene	63	U	390	63	1	09/04/25 15:32	8/28/25	
1,4-Dichlorobenzene	66	U	390	66	1	09/04/25 15:32	8/28/25	
Biphenyl	120	U	390	120	1	09/04/25 15:32	8/28/25	
Chrysene	58	U	390	58	1	09/04/25 15:32	8/28/25	
1,4-Dioxane	38	U	79	38	1	09/04/25 15:32	8/28/25	
Dibenz(a,h)anthracene	85	U	390	85	1	09/04/25 15:32	8/28/25	
Dibenzofuran	71	U	390	71	1	09/04/25 15:32	8/28/25	
Fluoranthene	98	U	390	98	1	09/04/25 15:32	8/28/25	
Fluorene	73	U	390	73	1	09/04/25 15:32	8/28/25	
Indeno(1,2,3-cd)pyrene	130	U	390	130	1	09/04/25 15:32	8/28/25	
Naphthalene	73	U	390	73	1	09/04/25 15:32	8/28/25	
Phenanthrene	56	U	390	56	1	09/04/25 15:32	8/28/25	
Pyrene	65	U	390	65	1	09/04/25 15:32	8/28/25	
2,3,4,6-Tetrachlorophenol	140	U	390	140	1	09/04/25 15:32	8/28/25	
2,4,5-Trichlorophenol	97	U	390	97	1	09/04/25 15:32	8/28/25	
2,4,6-Trichlorophenol	87	U	390	87	1	09/04/25 15:32	8/28/25	
2,4-Dichlorophenol	75	U	390	75	1	09/04/25 15:32	8/28/25	
2,4-Dimethylphenol	70	U	390	70	1	09/04/25 15:32	8/28/25	
2,4-Dinitrophenol	670	U	2000	670	1	09/04/25 15:32	8/28/25	
2,4-Dinitrotoluene	150	U	390	150	1	09/04/25 15:32	8/28/25	
2,6-Dinitrotoluene	86	U	390	86	1	09/04/25 15:32	8/28/25	
2-Chloronaphthalene	78	U	390	78	1	09/04/25 15:32	8/28/25	
2-Chlorophenol	66	U	390	66	1	09/04/25 15:32	8/28/25	
2-Methylphenol	81	U	390	81	1	09/04/25 15:32	8/28/25	
2-Nitroaniline	93	U	2000	93	1	09/04/25 15:32	8/28/25	
2-Nitrophenol	91	U	390	91	1	09/04/25 15:32	8/28/25	
3,3'-Dichlorobenzidine	150	U	390	150	1	09/04/25 15:32	8/28/25	
3- and 4-Methylphenol Coelution	**220**	**J**	390	75	1	09/04/25 15:32	8/28/25	
3-Nitroaniline	79	U	2000	79	1	09/04/25 15:32	8/28/25	
4,6-Dinitro-2-methylphenol	230	U	2000	230	1	09/04/25 15:32	8/28/25	
4-Bromophenyl Phenyl Ether	110	U	390	110	1	09/04/25 15:32	8/28/25	
4-Chloro-3-methylphenol	79	U	390	79	1	09/04/25 15:32	8/28/25	
4-Chloroaniline	150	U	390	150	1	09/04/25 15:32	8/28/25	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:10
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510220-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	84 U	390	84	1	09/04/25 15:32	8/28/25	
4-Nitroaniline	85 U	2000	85	1	09/04/25 15:32	8/28/25	
4-Nitrophenol	210 U	2000	210	1	09/04/25 15:32	8/28/25	
Acetophenone	120 U	390	120	1	09/04/25 15:32	8/28/25	
Atrazine	120 U	390	120	1	09/04/25 15:32	8/28/25	
Benzaldehyde	95 U	2000	95	1	09/04/25 15:32	8/28/25	
Benzoic Acid	620 U	2000	620	1	09/04/25 15:32	8/28/25	
Bis(1-chloroisopropyl) Ether	80 U	390	80	1	09/04/25 15:32	8/28/25	
Bis(2-chloroethoxy)methane	96 U	390	96	1	09/04/25 15:32	8/28/25	
Bis(2-chloroethyl) Ether	77 U	390	77	1	09/04/25 15:32	8/28/25	
Bis(2-ethylhexyl) Phthalate	72 U	590	72	1	09/04/25 15:32	8/28/25	
Butyl Benzyl Phthalate	120 U	390	120	1	09/04/25 15:32	8/28/25	
Caprolactam	86 U	390	86	1	09/04/25 15:32	8/28/25	
Carbazole	64 U	390	64	1	09/04/25 15:32	8/28/25	
Di-n-butyl Phthalate	64 U	390	64	1	09/04/25 15:32	8/28/25	
Di-n-octyl Phthalate	140 U	390	140	1	09/04/25 15:32	8/28/25	
Diethyl Phthalate	70 U	390	70	1	09/04/25 15:32	8/28/25	
Dimethyl Phthalate	75 U	390	75	1	09/04/25 15:32	8/28/25	
Hexachlorobenzene	94 U	390	94	1	09/04/25 15:32	8/28/25	
Hexachlorobutadiene	140 U	390	140	1	09/04/25 15:32	8/28/25	
Hexachlorocyclopentadiene	130 U	390	130	1	09/04/25 15:32	8/28/25	
Hexachloroethane	73 U	390	73	1	09/04/25 15:32	8/28/25	
Isophorone	82 U	390	82	1	09/04/25 15:32	8/28/25	
N-Nitrosodi-n-propylamine	120 U	390	120	1	09/04/25 15:32	8/28/25	
N-Nitrosodiphenylamine	250 U	390	250	1	09/04/25 15:32	8/28/25	
Nitrobenzene	70 U	390	70	1	09/04/25 15:32	8/28/25	
Pentachlorophenol (PCP)	390 U	2000	390	1	09/04/25 15:32	8/28/25	
Phenol	79 U	390	79	1	09/04/25 15:32	8/28/25	
Pyridine	53 U	2000	53	1	09/04/25 15:32	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	49	18 - 104	09/04/25 15:32	
Nitrobenzene-d5	43	12 - 98	09/04/25 15:32	
p-Terphenyl-d14	84	26 - 134	09/04/25 15:32	

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
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Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:00
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510220-001	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
4,4'-DDE	**5.2 J**	5.7	2.9	1	09/10/25 02:58	8/25/25	
4,4'-DDT	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Aldrin	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Chlordane	15 U	28	15	1	09/10/25 02:58	8/25/25	
Dieldrin	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Endosulfan I	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Endosulfan II	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Endosulfan Sulfate	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Endrin	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Endrin Aldehyde	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Endrin Ketone	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Heptachlor	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Heptachlor Epoxide	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Methoxychlor	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
Toxaphene	64 U	110	64	1	09/10/25 02:58	8/25/25	
alpha-BHC	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
alpha-Chlordane	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
beta-BHC	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
delta-BHC	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
gamma-BHC (Lindane)	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	
gamma-Chlordane	2.9 U	5.7	2.9	1	09/10/25 02:58	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	83	10 - 159	09/10/25 02:58	
Tetrachloro-m-xylene	65	10 - 132	09/10/25 02:58	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:05
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510220-002	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	**20**		6.2	3.1	1	09/12/25 12:20	8/26/25	
4,4'-DDE	**150**		6.2	3.1	1	09/12/25 12:20	8/26/25	
4,4'-DDT	**26**		6.2	3.1	1	09/12/25 12:20	8/26/25	
Aldrin	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Chlordane	16	U	30	16	1	09/12/25 12:20	8/26/25	
Dieldrin	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Endosulfan I	**17**		6.2	3.1	1	09/12/25 12:20	8/26/25	
Endosulfan II	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Endosulfan Sulfate	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Endrin	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Endrin Aldehyde	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Endrin Ketone	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Heptachlor	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Heptachlor Epoxide	**22**	**P**	6.2	3.1	1	09/12/25 12:20	8/26/25	
Methoxychlor	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
Toxaphene	70	U	120	70	1	09/12/25 12:20	8/26/25	
alpha-BHC	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
alpha-Chlordane	**110**	**P**	6.2	3.1	1	09/12/25 12:20	8/26/25	
beta-BHC	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
delta-BHC	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
gamma-BHC (Lindane)	3.1	U	6.2	3.1	1	09/12/25 12:20	8/26/25	
gamma-Chlordane	**74**		6.2	3.1	1	09/12/25 12:20	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	87	10 - 159	09/12/25 12:20	
Tetrachloro-m-xylene	59	10 - 132	09/12/25 12:20	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:10
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510220-003	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
4,4'-DDE	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
4,4'-DDT	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Aldrin	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Chlordane	7.6 U	15	7.6	1	09/06/25 04:47	8/28/25	
Dieldrin	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Endosulfan I	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Endosulfan II	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Endosulfan Sulfate	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Endrin	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Endrin Aldehyde	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Endrin Ketone	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Heptachlor	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Heptachlor Epoxide	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Methoxychlor	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
Toxaphene	34 U	59	34	1	09/06/25 04:47	8/28/25	
alpha-BHC	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
alpha-Chlordane	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
beta-BHC	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
delta-BHC	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
gamma-BHC (Lindane)	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	
gamma-Chlordane	1.6 U	3.0	1.6	1	09/06/25 04:47	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	63	10 - 159	09/06/25 04:47	
Tetrachloro-m-xylene	40	10 - 132	09/06/25 04:47	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:00
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510220-001	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	57 U	110	57	1	08/30/25 02:02	8/25/25	
Aroclor 1221	87 U	220	87	1	08/30/25 02:02	8/25/25	
Aroclor 1232	64 U	110	64	1	08/30/25 02:02	8/25/25	
Aroclor 1242	57 U	110	57	1	08/30/25 02:02	8/25/25	
Aroclor 1248	61 U	110	61	1	08/30/25 02:02	8/25/25	
Aroclor 1254	57 U	110	57	1	08/30/25 02:02	8/25/25	
Aroclor 1260	57 U	110	57	1	08/30/25 02:02	8/25/25	
Aroclor 1262	57 U	110	57	1	08/30/25 02:02	8/25/25	
Aroclor 1268	57 U	110	57	1	08/30/25 02:02	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	77	10 - 138	08/30/25 02:02	
Tetrachloro-m-xylene	58	11 - 122	08/30/25 02:02	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:05
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510220-002	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	62 U	120	62	1	09/04/25 00:58	8/26/25	
Aroclor 1221	95 U	240	95	1	09/04/25 00:58	8/26/25	
Aroclor 1232	70 U	120	70	1	09/04/25 00:58	8/26/25	
Aroclor 1242	62 U	120	62	1	09/04/25 00:58	8/26/25	
Aroclor 1248	66 U	120	66	1	09/04/25 00:58	8/26/25	
Aroclor 1254	62 U	120	62	1	09/04/25 00:58	8/26/25	
Aroclor 1260	62 U	120	62	1	09/04/25 00:58	8/26/25	
Aroclor 1262	62 U	120	62	1	09/04/25 00:58	8/26/25	
Aroclor 1268	62 U	120	62	1	09/04/25 00:58	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	87	10 - 138	09/04/25 00:58	
Tetrachloro-m-xylene	51	11 - 122	09/04/25 00:58	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:10
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510220-003	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	31 U	59	31	1	08/29/25 21:18	8/28/25	
Aroclor 1221	47 U	120	47	1	08/29/25 21:18	8/28/25	
Aroclor 1232	34 U	59	34	1	08/29/25 21:18	8/28/25	
Aroclor 1242	31 U	59	31	1	08/29/25 21:18	8/28/25	
Aroclor 1248	33 U	59	33	1	08/29/25 21:18	8/28/25	
Aroclor 1254	31 U	59	31	1	08/29/25 21:18	8/28/25	
Aroclor 1260	31 U	59	31	1	08/29/25 21:18	8/28/25	
Aroclor 1262	31 U	59	31	1	08/29/25 21:18	8/28/25	
Aroclor 1268	31 U	59	31	1	08/29/25 21:18	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	58	10 - 138	08/29/25 21:18	
Tetrachloro-m-xylene	36	11 - 122	08/29/25 21:18	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:00
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510220-001	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	5.7 U	11	5.7	1	09/04/25 08:29	8/28/25	
2,4,5-TP	5.2 U	11	5.2	1	09/04/25 08:29	8/28/25	
2,4-D	7.5 U	11	7.5	1	09/04/25 08:29	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	38	10 - 151	09/04/25 08:29	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:05
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510220-002	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	6.1 U	12	6.1	1	09/04/25 08:48	8/28/25	
2,4,5-TP	5.5 U	12	5.5	1	09/04/25 08:48	8/28/25	
2,4-D	7.9 U	12	7.9	1	09/04/25 08:48	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	49	10 - 151	09/04/25 08:48	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:10
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510220-003	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	6.0 U	12	6.0	1	09/04/25 09:06	8/28/25	
2,4,5-TP	5.4 U	12	5.4	1	09/04/25 09:06	8/28/25	
2,4-D	7.8 U	12	7.8	1	09/04/25 09:06	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	43	10 - 151	09/04/25 09:06	

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:00
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB01 (1-2)	**Basis:**	As Received
Lab Code:	R2510220-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**86.7**	Percent	-	-	1	08/29/25 10:00	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:05
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB02 (3-4)	**Basis:**	As Received
Lab Code:	R2510220-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**82.0**	Percent	-	-	1	08/29/25 10:00	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	08/14/25 13:10
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5285 SB03 (5-6)	**Basis:**	As Received
Lab Code:	R2510220-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**83.1**	Percent	-	-	1	08/29/25 10:00	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ALS Environmental - US **Service Request:** R2510220
Project: 5285 harding
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Extraction Method: EPA 3546

Sample Name	Lab Code	2-Fluorobiphenyl 18 - 104	Nitrobenzene-d5 12 - 98	p-Terphenyl-d14 26 - 134
5285 SB01 (1-2)	R2510220-001	70	66	92
5285 SB02 (3-4)	R2510220-002	45	45	58
5285 SB03 (5-6)	R2510220-003	49	43	84
Method Blank	RQ2511248-01	60	58	92
Lab Control Sample	RQ2511248-02	57	50	81
Duplicate Lab Control Sample	RQ2511248-03	71	61	104
Method Blank	RQ2511335-01	51	52	68
Lab Control Sample	RQ2511335-02	52	48	63
Duplicate Lab Control Sample	RQ2511335-03	49	44	58
Method Blank	RQ2511577-01	68	65	104
Lab Control Sample	RQ2511577-02	56	45	86
Duplicate Lab Control Sample	RQ2511577-03	57	46	81

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511248-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	61 U	330	61	1	08/26/25 13:09	8/25/25	
1,2,4,5-Tetrachlorobenzene	74 U	330	74	1	08/26/25 13:09	8/25/25	
2-Methylnaphthalene	120 U	330	120	1	08/26/25 13:09	8/25/25	
Acenaphthene	63 U	330	63	1	08/26/25 13:09	8/25/25	
Acenaphthylene	67 U	330	67	1	08/26/25 13:09	8/25/25	
Anthracene	55 U	330	55	1	08/26/25 13:09	8/25/25	
Benz(a)anthracene	49 U	330	49	1	08/26/25 13:09	8/25/25	
Benzo(a)pyrene	88 U	330	88	1	08/26/25 13:09	8/25/25	
Benzo(b)fluoranthene	55 U	330	55	1	08/26/25 13:09	8/25/25	
Benzo(g,h,i)perylene	76 U	330	76	1	08/26/25 13:09	8/25/25	
Benzo(k)fluoranthene	54 U	330	54	1	08/26/25 13:09	8/25/25	
1,4-Dichlorobenzene	55 U	330	55	1	08/26/25 13:09	8/25/25	
Biphenyl	98 U	330	98	1	08/26/25 13:09	8/25/25	
Chrysene	49 U	330	49	1	08/26/25 13:09	8/25/25	
Dibenz(a,h)anthracene	72 U	330	72	1	08/26/25 13:09	8/25/25	
1,4-Dioxane	32 U	67	32	1	08/26/25 13:09	8/25/25	
Dibenzofuran	60 U	330	60	1	08/26/25 13:09	8/25/25	
Fluoranthene	83 U	330	83	1	08/26/25 13:09	8/25/25	
Fluorene	62 U	330	62	1	08/26/25 13:09	8/25/25	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	08/26/25 13:09	8/25/25	
Naphthalene	62 U	330	62	1	08/26/25 13:09	8/25/25	
Phenanthrene	47 U	330	47	1	08/26/25 13:09	8/25/25	
Pyrene	55 U	330	55	1	08/26/25 13:09	8/25/25	
2,3,4,6-Tetrachlorophenol	120 U	330	120	1	08/26/25 13:09	8/25/25	
2,4,5-Trichlorophenol	82 U	330	82	1	08/26/25 13:09	8/25/25	
2,4,6-Trichlorophenol	74 U	330	74	1	08/26/25 13:09	8/25/25	
2,4-Dichlorophenol	64 U	330	64	1	08/26/25 13:09	8/25/25	
2,4-Dimethylphenol	59 U	330	59	1	08/26/25 13:09	8/25/25	
2,4-Dinitrophenol	560 U	1700	560	1	08/26/25 13:09	8/25/25	
2,4-Dinitrotoluene	130 U	330	130	1	08/26/25 13:09	8/25/25	
2,6-Dinitrotoluene	72 U	330	72	1	08/26/25 13:09	8/25/25	
2-Chloronaphthalene	66 U	330	66	1	08/26/25 13:09	8/25/25	
2-Chlorophenol	55 U	330	55	1	08/26/25 13:09	8/25/25	
2-Methylphenol	69 U	330	69	1	08/26/25 13:09	8/25/25	
2-Nitroaniline	78 U	1700	78	1	08/26/25 13:09	8/25/25	
2-Nitrophenol	77 U	330	77	1	08/26/25 13:09	8/25/25	
3,3'-Dichlorobenzidine	120 U	330	120	1	08/26/25 13:09	8/25/25	
3- and 4-Methylphenol Coelution	63 U	330	63	1	08/26/25 13:09	8/25/25	
3-Nitroaniline	67 U	1700	67	1	08/26/25 13:09	8/25/25	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	08/26/25 13:09	8/25/25	
4-Bromophenyl Phenyl Ether	87 U	330	87	1	08/26/25 13:09	8/25/25	
4-Chloro-3-methylphenol	67 U	330	67	1	08/26/25 13:09	8/25/25	
4-Chloroaniline	120 U	330	120	1	08/26/25 13:09	8/25/25	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511248-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	71 U	330	71	1	08/26/25 13:09	8/25/25	
4-Nitroaniline	71 U	1700	71	1	08/26/25 13:09	8/25/25	
4-Nitrophenol	170 U	1700	170	1	08/26/25 13:09	8/25/25	
Acetophenone	95 U	330	95	1	08/26/25 13:09	8/25/25	
Atrazine	98 U	330	98	1	08/26/25 13:09	8/25/25	
Benzaldehyde	80 U	1700	80	1	08/26/25 13:09	8/25/25	
Benzoic Acid	520 U	1700	520	1	08/26/25 13:09	8/25/25	
Bis(1-chloroisopropyl) Ether	68 U	330	68	1	08/26/25 13:09	8/25/25	
Bis(2-chloroethoxy)methane	81 U	330	81	1	08/26/25 13:09	8/25/25	
Bis(2-chloroethyl) Ether	65 U	330	65	1	08/26/25 13:09	8/25/25	
Bis(2-ethylhexyl) Phthalate	61 U	500	61	1	08/26/25 13:09	8/25/25	
Butyl Benzyl Phthalate	96 U	330	96	1	08/26/25 13:09	8/25/25	
Caprolactam	73 U	330	73	1	08/26/25 13:09	8/25/25	
Carbazole	54 U	330	54	1	08/26/25 13:09	8/25/25	
Di-n-butyl Phthalate	54 U	330	54	1	08/26/25 13:09	8/25/25	
Di-n-octyl Phthalate	120 U	330	120	1	08/26/25 13:09	8/25/25	
Diethyl Phthalate	59 U	330	59	1	08/26/25 13:09	8/25/25	
Dimethyl Phthalate	63 U	330	63	1	08/26/25 13:09	8/25/25	
Hexachlorobenzene	79 U	330	79	1	08/26/25 13:09	8/25/25	
Hexachlorobutadiene	120 U	330	120	1	08/26/25 13:09	8/25/25	
Hexachlorocyclopentadiene	110 U	330	110	1	08/26/25 13:09	8/25/25	
Hexachloroethane	62 U	330	62	1	08/26/25 13:09	8/25/25	
Isophorone	69 U	330	69	1	08/26/25 13:09	8/25/25	
N-Nitrosodi-n-propylamine	110 U	330	110	1	08/26/25 13:09	8/25/25	
N-Nitrosodiphenylamine	210 U	330	210	1	08/26/25 13:09	8/25/25	
Nitrobenzene	59 U	330	59	1	08/26/25 13:09	8/25/25	
Pentachlorophenol (PCP)	330 U	1700	330	1	08/26/25 13:09	8/25/25	
Phenol	67 U	330	67	1	08/26/25 13:09	8/25/25	
Pyridine	45 U	1700	45	1	08/26/25 13:09	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	60	18 - 104	08/26/25 13:09	
Nitrobenzene-d5	58	12 - 98	08/26/25 13:09	
p-Terphenyl-d14	92	26 - 134	08/26/25 13:09	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511335-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	74	U	330	74	1	08/27/25 15:45	8/26/25	
1-Methylnaphthalene	61	U	330	61	1	08/27/25 15:45	8/26/25	
2-Methylnaphthalene	120	U	330	120	1	08/27/25 15:45	8/26/25	
Acenaphthene	63	U	330	63	1	08/27/25 15:45	8/26/25	
Acenaphthylene	67	U	330	67	1	08/27/25 15:45	8/26/25	
Anthracene	55	U	330	55	1	08/27/25 15:45	8/26/25	
Benz(a)anthracene	49	U	330	49	1	08/27/25 15:45	8/26/25	
Benzo(a)pyrene	88	U	330	88	1	08/27/25 15:45	8/26/25	
Benzo(b)fluoranthene	55	U	330	55	1	08/27/25 15:45	8/26/25	
Benzo(g,h,i)perylene	76	U	330	76	1	08/27/25 15:45	8/26/25	
1,4-Dichlorobenzene	55	U	330	55	1	08/27/25 15:45	8/26/25	
Benzo(k)fluoranthene	54	U	330	54	1	08/27/25 15:45	8/26/25	
Biphenyl	98	U	330	98	1	08/27/25 15:45	8/26/25	
Chrysene	49	U	330	49	1	08/27/25 15:45	8/26/25	
Dibenz(a,h)anthracene	72	U	330	72	1	08/27/25 15:45	8/26/25	
1,4-Dioxane	32	U	67	32	1	08/27/25 15:45	8/26/25	
Dibenzofuran	60	U	330	60	1	08/27/25 15:45	8/26/25	
Fluoranthene	83	U	330	83	1	08/27/25 15:45	8/26/25	
Fluorene	62	U	330	62	1	08/27/25 15:45	8/26/25	
Indeno(1,2,3-cd)pyrene	110	U	330	110	1	08/27/25 15:45	8/26/25	
Naphthalene	62	U	330	62	1	08/27/25 15:45	8/26/25	
Phenanthrene	47	U	330	47	1	08/27/25 15:45	8/26/25	
Pyrene	55	U	330	55	1	08/27/25 15:45	8/26/25	
2,3,4,6-Tetrachlorophenol	120	U	330	120	1	08/27/25 15:45	8/26/25	
2,4,5-Trichlorophenol	82	U	330	82	1	08/27/25 15:45	8/26/25	
2,4,6-Trichlorophenol	74	U	330	74	1	08/27/25 15:45	8/26/25	
2,4-Dichlorophenol	64	U	330	64	1	08/27/25 15:45	8/26/25	
2,4-Dimethylphenol	59	U	330	59	1	08/27/25 15:45	8/26/25	
2,4-Dinitrophenol	560	U	1700	560	1	08/27/25 15:45	8/26/25	
2,4-Dinitrotoluene	130	U	330	130	1	08/27/25 15:45	8/26/25	
2,6-Dinitrotoluene	72	U	330	72	1	08/27/25 15:45	8/26/25	
2-Chloronaphthalene	66	U	330	66	1	08/27/25 15:45	8/26/25	
2-Chlorophenol	55	U	330	55	1	08/27/25 15:45	8/26/25	
2-Methylphenol	69	U	330	69	1	08/27/25 15:45	8/26/25	
2-Nitroaniline	78	U	1700	78	1	08/27/25 15:45	8/26/25	
2-Nitrophenol	77	U	330	77	1	08/27/25 15:45	8/26/25	
3,3'-Dichlorobenzidine	120	U	330	120	1	08/27/25 15:45	8/26/25	
3- and 4-Methylphenol Coelution	63	U	330	63	1	08/27/25 15:45	8/26/25	
3-Nitroaniline	67	U	1700	67	1	08/27/25 15:45	8/26/25	
4,6-Dinitro-2-methylphenol	190	U	1700	190	1	08/27/25 15:45	8/26/25	
4-Bromophenyl Phenyl Ether	87	U	330	87	1	08/27/25 15:45	8/26/25	
4-Chloro-3-methylphenol	67	U	330	67	1	08/27/25 15:45	8/26/25	
4-Chloroaniline	120	U	330	120	1	08/27/25 15:45	8/26/25	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511335-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	71 U	330	71	1	08/27/25 15:45	8/26/25	
4-Nitroaniline	71 U	1700	71	1	08/27/25 15:45	8/26/25	
4-Nitrophenol	170 U	1700	170	1	08/27/25 15:45	8/26/25	
Acetophenone	95 U	330	95	1	08/27/25 15:45	8/26/25	
Atrazine	98 U	330	98	1	08/27/25 15:45	8/26/25	
Benzaldehyde	80 U	1700	80	1	08/27/25 15:45	8/26/25	
Benzoic Acid	520 U	1700	520	1	08/27/25 15:45	8/26/25	
Bis(1-chloroisopropyl) Ether	68 U	330	68	1	08/27/25 15:45	8/26/25	
Bis(2-chloroethoxy)methane	81 U	330	81	1	08/27/25 15:45	8/26/25	
Bis(2-chloroethyl) Ether	65 U	330	65	1	08/27/25 15:45	8/26/25	
Bis(2-ethylhexyl) Phthalate	61 U	500	61	1	08/27/25 15:45	8/26/25	
Butyl Benzyl Phthalate	96 U	330	96	1	08/27/25 15:45	8/26/25	
Caprolactam	73 U	330	73	1	08/27/25 15:45	8/26/25	
Carbazole	54 U	330	54	1	08/27/25 15:45	8/26/25	
Di-n-butyl Phthalate	54 U	330	54	1	08/27/25 15:45	8/26/25	
Di-n-octyl Phthalate	120 U	330	120	1	08/27/25 15:45	8/26/25	
Diethyl Phthalate	59 U	330	59	1	08/27/25 15:45	8/26/25	
Dimethyl Phthalate	63 U	330	63	1	08/27/25 15:45	8/26/25	
Hexachlorobenzene	79 U	330	79	1	08/27/25 15:45	8/26/25	
Hexachlorobutadiene	120 U	330	120	1	08/27/25 15:45	8/26/25	
Hexachlorocyclopentadiene	110 U	330	110	1	08/27/25 15:45	8/26/25	
Hexachloroethane	62 U	330	62	1	08/27/25 15:45	8/26/25	
Isophorone	69 U	330	69	1	08/27/25 15:45	8/26/25	
N-Nitrosodi-n-propylamine	110 U	330	110	1	08/27/25 15:45	8/26/25	
N-Nitrosodiphenylamine	210 U	330	210	1	08/27/25 15:45	8/26/25	
Nitrobenzene	59 U	330	59	1	08/27/25 15:45	8/26/25	
Pentachlorophenol (PCP)	330 U	1700	330	1	08/27/25 15:45	8/26/25	
Phenol	67 U	330	67	1	08/27/25 15:45	8/26/25	
Pyridine	45 U	1700	45	1	08/27/25 15:45	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	51	18 - 104	08/27/25 15:45	
Nitrobenzene-d5	52	12 - 98	08/27/25 15:45	
p-Terphenyl-d14	68	26 - 134	08/27/25 15:45	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511577-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	61 U	330	61	1	09/02/25 12:28	8/28/25	
1,2,4,5-Tetrachlorobenzene	74 U	330	74	1	09/02/25 12:28	8/28/25	
2-Methylnaphthalene	120 U	330	120	1	09/02/25 12:28	8/28/25	
Acenaphthene	63 U	330	63	1	09/02/25 12:28	8/28/25	
Acenaphthylene	67 U	330	67	1	09/02/25 12:28	8/28/25	
Anthracene	55 U	330	55	1	09/02/25 12:28	8/28/25	
Benz(a)anthracene	49 U	330	49	1	09/02/25 12:28	8/28/25	
Benzo(a)pyrene	88 U	330	88	1	09/02/25 12:28	8/28/25	
Benzo(b)fluoranthene	55 U	330	55	1	09/02/25 12:28	8/28/25	
Benzo(g,h,i)perylene	76 U	330	76	1	09/02/25 12:28	8/28/25	
1,4-Dichlorobenzene	55 U	330	55	1	09/02/25 12:28	8/28/25	
Benzo(k)fluoranthene	54 U	330	54	1	09/02/25 12:28	8/28/25	
Biphenyl	98 U	330	98	1	09/02/25 12:28	8/28/25	
Chrysene	49 U	330	49	1	09/02/25 12:28	8/28/25	
1,4-Dioxane	32 U	67	32	1	09/02/25 12:28	8/28/25	
Dibenz(a,h)anthracene	72 U	330	72	1	09/02/25 12:28	8/28/25	
Dibenzofuran	60 U	330	60	1	09/02/25 12:28	8/28/25	
Fluoranthene	83 U	330	83	1	09/02/25 12:28	8/28/25	
Fluorene	62 U	330	62	1	09/02/25 12:28	8/28/25	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	09/02/25 12:28	8/28/25	
Naphthalene	62 U	330	62	1	09/02/25 12:28	8/28/25	
Phenanthrene	47 U	330	47	1	09/02/25 12:28	8/28/25	
Pyrene	55 U	330	55	1	09/02/25 12:28	8/28/25	
2,3,4,6-Tetrachlorophenol	120 U	330	120	1	09/02/25 12:28	8/28/25	
2,4,5-Trichlorophenol	82 U	330	82	1	09/02/25 12:28	8/28/25	
2,4,6-Trichlorophenol	74 U	330	74	1	09/02/25 12:28	8/28/25	
2,4-Dichlorophenol	64 U	330	64	1	09/02/25 12:28	8/28/25	
2,4-Dimethylphenol	59 U	330	59	1	09/02/25 12:28	8/28/25	
2,4-Dinitrophenol	560 U	1700	560	1	09/02/25 12:28	8/28/25	
2,4-Dinitrotoluene	130 U	330	130	1	09/02/25 12:28	8/28/25	
2,6-Dinitrotoluene	72 U	330	72	1	09/02/25 12:28	8/28/25	
2-Chloronaphthalene	66 U	330	66	1	09/02/25 12:28	8/28/25	
2-Chlorophenol	55 U	330	55	1	09/02/25 12:28	8/28/25	
2-Methylphenol	69 U	330	69	1	09/02/25 12:28	8/28/25	
2-Nitroaniline	78 U	1700	78	1	09/02/25 12:28	8/28/25	
2-Nitrophenol	77 U	330	77	1	09/02/25 12:28	8/28/25	
3,3'-Dichlorobenzidine	120 U	330	120	1	09/02/25 12:28	8/28/25	
3- and 4-Methylphenol Coelution	63 U	330	63	1	09/02/25 12:28	8/28/25	
3-Nitroaniline	67 U	1700	67	1	09/02/25 12:28	8/28/25	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	09/02/25 12:28	8/28/25	
4-Bromophenyl Phenyl Ether	87 U	330	87	1	09/02/25 12:28	8/28/25	
4-Chloro-3-methylphenol	67 U	330	67	1	09/02/25 12:28	8/28/25	
4-Chloroaniline	120 U	330	120	1	09/02/25 12:28	8/28/25	

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511577-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270E
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4-Chlorophenyl Phenyl Ether	71 U	330	71	1	09/02/25 12:28	8/28/25	
4-Nitroaniline	71 U	1700	71	1	09/02/25 12:28	8/28/25	
4-Nitrophenol	170 U	1700	170	1	09/02/25 12:28	8/28/25	
Acetophenone	95 U	330	95	1	09/02/25 12:28	8/28/25	
Atrazine	98 U	330	98	1	09/02/25 12:28	8/28/25	
Benzaldehyde	80 U	1700	80	1	09/02/25 12:28	8/28/25	
Benzoic Acid	520 U	1700	520	1	09/02/25 12:28	8/28/25	
Bis(1-chloroisopropyl) Ether	68 U	330	68	1	09/02/25 12:28	8/28/25	
Bis(2-chloroethoxy)methane	81 U	330	81	1	09/02/25 12:28	8/28/25	
Bis(2-chloroethyl) Ether	65 U	330	65	1	09/02/25 12:28	8/28/25	
Bis(2-ethylhexyl) Phthalate	61 U	500	61	1	09/02/25 12:28	8/28/25	
Butyl Benzyl Phthalate	96 U	330	96	1	09/02/25 12:28	8/28/25	
Caprolactam	73 U	330	73	1	09/02/25 12:28	8/28/25	
Carbazole	54 U	330	54	1	09/02/25 12:28	8/28/25	
Di-n-butyl Phthalate	54 U	330	54	1	09/02/25 12:28	8/28/25	
Di-n-octyl Phthalate	120 U	330	120	1	09/02/25 12:28	8/28/25	
Diethyl Phthalate	59 U	330	59	1	09/02/25 12:28	8/28/25	
Dimethyl Phthalate	63 U	330	63	1	09/02/25 12:28	8/28/25	
Hexachlorobenzene	79 U	330	79	1	09/02/25 12:28	8/28/25	
Hexachlorobutadiene	120 U	330	120	1	09/02/25 12:28	8/28/25	
Hexachlorocyclopentadiene	110 U	330	110	1	09/02/25 12:28	8/28/25	
Hexachloroethane	62 U	330	62	1	09/02/25 12:28	8/28/25	
Isophorone	69 U	330	69	1	09/02/25 12:28	8/28/25	
N-Nitrosodi-n-propylamine	110 U	330	110	1	09/02/25 12:28	8/28/25	
N-Nitrosodiphenylamine	210 U	330	210	1	09/02/25 12:28	8/28/25	
Nitrobenzene	59 U	330	59	1	09/02/25 12:28	8/28/25	
Pentachlorophenol (PCP)	330 U	1700	330	1	09/02/25 12:28	8/28/25	
Phenol	67 U	330	67	1	09/02/25 12:28	8/28/25	
Pyridine	45 U	1700	45	1	09/02/25 12:28	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	68	18 - 104	09/02/25 12:28	
Nitrobenzene-d5	65	12 - 98	09/02/25 12:28	
p-Terphenyl-d14	104	26 - 134	09/02/25 12:28	

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/26/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511248-02			RQ2511248-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	8270E	1710	3320	51	2040	3310	62	29-100	18	30
1,2,4,5-Tetrachlorobenzene	8270E	1740	3320	52	2130	3310	64	20-126	20	30
2-Methylnaphthalene	8270E	1620	3320	49	1950	3310	59	29-99	18	30
Acenaphthene	8270E	1970	3320	59	2430	3310	73	41-110	21	30
Acenaphthylene	8270E	2180	3320	66	2700	3310	81	44-122	21	30
Anthracene	8270E	2250	3320	68	2840	3310	86	41-123	23	30
Benz(a)anthracene	8270E	2330	3320	70	3020	3310	91	44-116	26	30
Benzo(a)pyrene	8270E	2640	3320	79	3380	3310	102	56-146	25	30
Benzo(b)fluoranthene	8270E	2200	3320	66	2840	3310	86	47-120	25	30
Benzo(g,h,i)perylene	8270E	2210	3320	67	2850	3310	86	41-129	25	30
Benzo(k)fluoranthene	8270E	2350	3320	71	3020	3310	91	49-124	25	30
1,4-Dichlorobenzene	8270E	1620	3320	49	1990	3310	60	16-83	20	30
Biphenyl	8270E	1810	3320	54	2190	3310	66	24-112	19	30
Chrysene	8270E	2350	3320	71	3060	3310	92	44-119	26	30
1,4-Dioxane	8270E	955	3320	29	1220	3310	37	10-58	24	30
Dibenz(a,h)anthracene	8270E	2340	3320	71	3030	3310	92	18-146	25	30
Dibenzofuran	8270E	2050	3320	62	2550	3310	77	43-113	22	30
Fluoranthene	8270E	2360	3320	71	2930	3310	89	39-128	22	30
Fluorene	8270E	2120	3320	64	2620	3310	79	40-117	21	30
Indeno(1,2,3-cd)pyrene	8270E	2450	3320	74	3180	3310	96	43-129	26	30
Naphthalene	8270E	1620	3320	49	1950	3310	59	31-93	18	30
Phenanthrene	8270E	2080	3320	63	2600	3310	79	39-120	22	30
Pyrene	8270E	2340	3320	70	2980	3310	90	45-125	24	30
2,3,4,6-Tetrachlorophenol	8270E	2490	3320	75	3230	3310	98	42-117	26	30
2,4,5-Trichlorophenol	8270E	2230	3320	67	2790	3310	84	40-114	23	30
2,4,6-Trichlorophenol	8270E	2070	3320	62	2620	3310	79	33-108	23	30
2,4-Dichlorophenol	8270E	1890	3320	57	2270	3310	69	30-103	18	30
2,4-Dimethylphenol	8270E	1860	3320	56	2260	3310	68	32-100	19	30
2,4-Dinitrophenol	8270E	1660 J	3320	50	2200	3310	66	10-97	28	30
2,4-Dinitrotoluene	8270E	2390	3320	72	3010	3310	91	53-120	23	30
2,6-Dinitrotoluene	8270E	2350	3320	71	2890	3310	87	48-119	21	30
2-Chloronaphthalene	8270E	1920	3320	58	2370	3310	72	33-103	21	30
2-Chlorophenol	8270E	1820	3320	55	2230	3310	67	26-90	20	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/26/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511248-02			RQ2511248-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2-Methylphenol	8270E	2020	3320	61	2460	3310	74	33-99	20	30
2-Nitroaniline	8270E	2200	3320	66	2720	3310	82	41-119	22	30
2-Nitrophenol	8270E	1720	3320	52	2110	3310	64	24-98	20	30
3- and 4-Methylphenol Coelution	8270E	2100	3320	63	2580	3310	78	32-100	20	30
3-Nitroaniline	8270E	1890	3320	57	2400	3310	72	29-105	24	30
4,6-Dinitro-2-methylphenol	8270E	2280	3320	69	2890	3310	87	20-105	23	30
4-Bromophenyl Phenyl Ether	8270E	2290	3320	69	2860	3310	86	37-116	22	30
4-Chloro-3-methylphenol	8270E	2070	3320	62	2480	3310	75	40-116	18	30
4-Chloroaniline	8270E	1760	3320	53	2260	3310	68	10-87	25	30
4-Chlorophenyl Phenyl Ether	8270E	2090	3320	63	2590	3310	78	42-111	21	30
4-Nitroaniline	8270E	1900	3320	57	2390	3310	72	43-120	22	30
4-Nitrophenol	8270E	1840	3320	55	2340	3310	71	34-116	24	30
Acetophenone	8270E	1750	3320	53	2110	3310	64	23-87	18	30
Benzoic Acid	8270E	1760	3320	53	2300	3310	70	10-126	27	30
Bis(1-chloroisopropyl) Ether	8270E	1910	3320	58	2330	3310	70	22-99	20	30
Bis(2-chloroethoxy)methane	8270E	1920	3320	58	2290	3310	69	38-119	18	30
Bis(2-chloroethyl) Ether	8270E	1760	3320	53	2160	3310	65	23-94	21	30
Bis(2-ethylhexyl) Phthalate	8270E	2530	3320	76	3190	3310	96	38-139	23	30
Butyl Benzyl Phthalate	8270E	2480	3320	75	3140	3310	95	40-134	24	30
Caprolactam	8270E	1970	3320	59	2310	3310	70	21-128	16	30
Carbazole	8270E	2310	3320	70	2860	3310	86	42-131	21	30
Di-n-butyl Phthalate	8270E	2570	3320	77	3210	3310	97	42-141	22	30
Di-n-octyl Phthalate	8270E	2570	3320	77	3300	3310	100	38-143	25	30
Diethyl Phthalate	8270E	2260	3320	68	2810	3310	85	43-118	22	30
Dimethyl Phthalate	8270E	2260	3320	68	2810	3310	85	40-118	21	30
Hexachlorobenzene	8270E	2260	3320	68	2790	3310	84	35-122	21	30
Hexachlorobutadiene	8270E	1620	3320	49	1970	3310	60	28-96	20	30
Hexachlorocyclopentadiene	8270E	1860	3320	56	2330	3310	71	10-111	23	30
Hexachloroethane	8270E	1650	3320	50	2060	3310	62	18-85	22	30
Isophorone	8270E	1940	3320	58	2320	3310	70	39-104	18	30
N-Nitrosodi-n-propylamine	8270E	1890	3320	57	2330	3310	70	30-98	21	30
N-Nitrosodiphenylamine	8270E	2490	3320	75	3060	3310	92	43-130	21	30
Nitrobenzene	8270E	1730	3320	52	2090	3310	63	31-99	19	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/26/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511248-02			RQ2511248-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol (PCP)	8270E	2000	3320	60	2550	3310	77	36-138	24	30
Phenol	8270E	1900	3320	57	2330	3310	70	31-100	20	30
Pyridine	8270E	2750	6640	41	3520	6620	53	12-80	24	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/27/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511335-02			RQ2511335-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	8270E	1570	3300	48	1480	3300	45	29-100	6	30
1,2,4,5-Tetrachlorobenzene	8270E	1590	3300	48	1510	3300	46	20-126	5	30
2-Methylnaphthalene	8270E	1490	3300	45	1400	3300	42	29-99	6	30
Acenaphthene	8270E	1780	3300	54	1680	3300	51	41-110	6	30
Acenaphthylene	8270E	1990	3300	60	1860	3300	56	44-122	6	30
Anthracene	8270E	1900	3300	58	1770	3300	53	41-123	7	30
Benz(a)anthracene	8270E	1860	3300	56	1720	3300	52	44-116	8	30
Benzo(a)pyrene	8270E	2200	3300	67	2030	3300	61	56-146	8	30
Benzo(b)fluoranthene	8270E	1790	3300	54	1670	3300	51	47-120	7	30
Benzo(g,h,i)perylene	8270E	1900	3300	57	1740	3300	53	41-129	8	30
Benzo(k)fluoranthene	8270E	1960	3300	59	1810	3300	55	49-124	8	30
1,4-Dichlorobenzene	8270E	1580	3300	48	1490	3300	45	16-83	6	30
Biphenyl	8270E	1620	3300	49	1550	3300	47	24-112	4	30
Chrysene	8270E	1920	3300	58	1760	3300	53	44-119	9	30
1,4-Dioxane	8270E	1140	3300	35	1100	3300	33	10-58	4	30
Dibenz(a,h)anthracene	8270E	1980	3300	60	1830	3300	56	18-146	8	30
Dibenzofuran	8270E	1830	3300	56	1740	3300	53	43-113	5	30
Fluoranthene	8270E	1870	3300	57	1720	3300	52	39-128	8	30
Fluorene	8270E	1850	3300	56	1740	3300	53	40-117	6	30
Indeno(1,2,3-cd)pyrene	8270E	2090	3300	63	1920	3300	58	43-129	8	30
Naphthalene	8270E	1550	3300	47	1480	3300	45	31-93	5	30
Phenanthrene	8270E	1760	3300	53	1630	3300	49	39-120	8	30
Pyrene	8270E	1880	3300	57	1750	3300	53	45-125	8	30
2,3,4,6-Tetrachlorophenol	8270E	2120	3300	64	1970	3300	60	42-117	7	30
2,4,5-Trichlorophenol	8270E	1900	3300	58	1780	3300	54	40-114	7	30
2,4,6-Trichlorophenol	8270E	1850	3300	56	1710	3300	52	33-108	8	30
2,4-Dichlorophenol	8270E	1680	3300	51	1560	3300	47	30-103	7	30
2,4-Dimethylphenol	8270E	1700	3300	52	1580	3300	48	32-100	8	30
2,4-Dinitrophenol	8270E	1130 J	3300	34	1190 J	3300	36	10-97	5	30
2,4-Dinitrotoluene	8270E	1980	3300	60	1870	3300	57	53-120	6	30
2,6-Dinitrotoluene	8270E	1930	3300	59	1800	3300	54	48-119	7	30
2-Chloronaphthalene	8270E	1790	3300	54	1700	3300	51	33-103	5	30
2-Chlorophenol	8270E	1700	3300	51	1580	3300	48	26-90	7	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/27/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511335-02			RQ2511335-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2-Methylphenol	8270E	1880	3300	57	1730	3300	52	33-99	8	30
2-Nitroaniline	8270E	1860	3300	56	1780	3300	54	41-119	5	30
2-Nitrophenol	8270E	1600	3300	49	1520	3300	46	24-98	5	30
3- and 4-Methylphenol Coelution	8270E	1920	3300	58	1760	3300	53	32-100	9	30
3-Nitroaniline	8270E	1650 J	3300	50	1570 J	3300	48	29-105	5	30
4,6-Dinitro-2-methylphenol	8270E	1620 J	3300	49	1610 J	3300	49	20-105	<1	30
4-Bromophenyl Phenyl Ether	8270E	1830	3300	55	1700	3300	52	37-116	7	30
4-Chloro-3-methylphenol	8270E	1770	3300	54	1640	3300	50	40-116	7	30
4-Chloroaniline	8270E	1640	3300	50	1530	3300	46	10-87	7	30
4-Chlorophenyl Phenyl Ether	8270E	1790	3300	54	1670	3300	51	42-111	7	30
4-Nitroaniline	8270E	1610 J	3300	49	1550 J	3300	47	43-120	4	30
4-Nitrophenol	8270E	1400 J	3300	43	1290 J	3300	39	34-116	8	30
Acetophenone	8270E	1610	3300	49	1520	3300	46	23-87	5	30
Benzoic Acid	8270E	1590 J	3300	48	1540 J	3300	46	10-126	4	30
Bis(1-chloroisopropyl) Ether	8270E	1750	3300	53	1650	3300	50	22-99	6	30
Bis(2-chloroethoxy)methane	8270E	1710	3300	52	1590	3300	48	38-119	8	30
Bis(2-chloroethyl) Ether	8270E	1650	3300	50	1570	3300	47	23-94	5	30
Bis(2-ethylhexyl) Phthalate	8270E	1880	3300	57	1800	3300	54	38-139	4	30
Butyl Benzyl Phthalate	8270E	1840	3300	56	1760	3300	53	40-134	4	30
Caprolactam	8270E	1540	3300	47	1470	3300	44	21-128	5	30
Carbazole	8270E	1870	3300	57	1730	3300	52	42-131	8	30
Di-n-butyl Phthalate	8270E	1860	3300	57	1740	3300	53	42-141	7	30
Di-n-octyl Phthalate	8270E	1940	3300	59	1840	3300	56	38-143	5	30
Diethyl Phthalate	8270E	1840	3300	56	1750	3300	53	43-118	5	30
Dimethyl Phthalate	8270E	1850	3300	56	1750	3300	53	40-118	5	30
Hexachlorobenzene	8270E	1810	3300	55	1690	3300	51	35-122	7	30
Hexachlorobutadiene	8270E	1550	3300	47	1450	3300	44	28-96	7	30
Hexachlorocyclopentadiene	8270E	1570	3300	48	1490	3300	45	10-111	6	30
Hexachloroethane	8270E	1590	3300	48	1500	3300	45	18-85	6	30
Isophorone	8270E	1740	3300	53	1630	3300	49	39-104	7	30
N-Nitrosodi-n-propylamine	8270E	1690	3300	51	1600	3300	48	30-98	6	30
N-Nitrosodiphenylamine	8270E	2070	3300	63	1910	3300	58	43-130	8	30
Nitrobenzene	8270E	1640	3300	50	1540	3300	47	31-99	6	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/27/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511335-02			RQ2511335-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol (PCP)	8270E	1480 J	3300	45	1380 J	3300	42	36-138	7	30
Phenol	8270E	1800	3300	55	1660	3300	50	31-100	8	30
Pyridine	8270E	3030	6600	46	2900	6610	44	12-80	4	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/02/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511577-02			RQ2511577-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	8270E	1710	3240	53	1780	3280	54	29-100	4	30
1,2,4,5-Tetrachlorobenzene	8270E	1740	3240	53	1800	3280	55	20-126	3	30
2-Methylnaphthalene	8270E	1620	3240	50	1680	3280	51	29-99	4	30
Acenaphthene	8270E	2120	3240	65	2130	3280	65	41-110	<1	30
Acenaphthylene	8270E	2350	3240	72	2360	3280	72	44-122	<1	30
Anthracene	8270E	2610	3240	80	2410	3280	74	41-123	8	30
Benz(a)anthracene	8270E	2690	3240	83	2510	3280	77	44-116	7	30
Benzo(a)pyrene	8270E	3140	3240	97	2870	3280	88	56-146	9	30
Benzo(b)fluoranthene	8270E	2600	3240	80	2350	3280	72	47-120	10	30
Benzo(g,h,i)perylene	8270E	2590	3240	80	2410	3280	74	41-129	7	30
Benzo(k)fluoranthene	8270E	2770	3240	85	2550	3280	78	49-124	8	30
1,4-Dichlorobenzene	8270E	1510	3240	47	1540	3280	47	16-83	2	30
Biphenyl	8270E	1840	3240	57	1890	3280	58	24-112	3	30
Chrysene	8270E	2710	3240	84	2500	3280	76	44-119	8	30
1,4-Dioxane	8270E	750	3240	23	779	3280	24	10-58	4	30
Dibenz(a,h)anthracene	8270E	2750	3240	85	2540	3280	78	18-146	8	30
Dibenzofuran	8270E	2270	3240	70	2240	3280	68	43-113	1	30
Fluoranthene	8270E	2770	3240	85	2510	3280	76	39-128	10	30
Fluorene	8270E	2360	3240	73	2320	3280	71	40-117	2	30
Indeno(1,2,3-cd)pyrene	8270E	2920	3240	90	2700	3280	83	43-129	8	30
Naphthalene	8270E	1570	3240	48	1640	3280	50	31-93	4	30
Phenanthrene	8270E	2390	3240	74	2230	3280	68	39-120	7	30
Pyrene	8270E	2630	3240	81	2530	3280	77	45-125	4	30
2,3,4,6-Tetrachlorophenol	8270E	2950	3240	91	2760	3280	84	42-117	7	30
2,4,5-Trichlorophenol	8270E	2470	3240	76	2410	3280	74	40-114	2	30
2,4,6-Trichlorophenol	8270E	2300	3240	71	2290	3280	70	33-108	<1	30
2,4-Dichlorophenol	8270E	1880	3240	58	1960	3280	60	30-103	4	30
2,4-Dimethylphenol	8270E	1850	3240	57	1940	3280	59	32-100	5	30
2,4-Dinitrophenol	8270E	1580 J	3240	49	1430 J	3280	44	10-97	10	30
2,4-Dinitrotoluene	8270E	2760	3240	85	2540	3280	78	53-120	8	30
2,6-Dinitrotoluene	8270E	2660	3240	82	2540	3280	77	48-119	5	30
2-Chloronaphthalene	8270E	1990	3240	61	2070	3280	63	33-103	4	30
2-Chlorophenol	8270E	1740	3240	54	1850	3280	56	26-90	6	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/02/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511577-02			RQ2511577-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2-Methylphenol	8270E	1970	3240	61	2030	3280	62	33-99	3	30
2-Nitroaniline	8270E	2430	3240	75	2330	3280	71	41-119	4	30
2-Nitrophenol	8270E	1670	3240	51	1740	3280	53	24-98	4	30
3- and 4-Methylphenol Coelution	8270E	2090	3240	64	2140	3280	65	32-100	2	30
3-Nitroaniline	8270E	2280	3240	70	2090	3280	64	29-105	9	30
4,6-Dinitro-2-methylphenol	8270E	2400	3240	74	2180	3280	66	20-105	10	30
4-Bromophenyl Phenyl Ether	8270E	2600	3240	80	2510	3280	77	37-116	4	30
4-Chloro-3-methylphenol	8270E	2260	3240	70	2210	3280	67	40-116	2	30
4-Chloroaniline	8270E	1970	3240	61	1980	3280	60	10-87	<1	30
4-Chlorophenyl Phenyl Ether	8270E	2380	3240	73	2310	3280	71	42-111	3	30
4-Nitroaniline	8270E	2270	3240	70	1940	3280	59	43-120	16	30
4-Nitrophenol	8270E	2050	3240	63	1710	3280	52	34-116	18	30
Acetophenone	8270E	1660	3240	51	1710	3280	52	23-87	3	30
Benzoic Acid	8270E	1640 J	3240	51	1510 J	3280	46	10-126	8	30
Bis(1-chloroisopropyl) Ether	8270E	1810	3240	56	1870	3280	57	22-99	3	30
Bis(2-chloroethoxy)methane	8270E	1830	3240	57	1940	3280	59	38-119	5	30
Bis(2-chloroethyl) Ether	8270E	1670	3240	51	1730	3280	53	23-94	3	30
Bis(2-ethylhexyl) Phthalate	8270E	3110	3240	96	2940	3280	90	38-139	5	30
Butyl Benzyl Phthalate	8270E	2920	3240	90	2740	3280	84	40-134	7	30
Caprolactam	8270E	2200	3240	68	1990	3280	61	21-128	10	30
Carbazole	8270E	2680	3240	83	2430	3280	74	42-131	10	30
Di-n-butyl Phthalate	8270E	3100	3240	95	2850	3280	87	42-141	8	30
Di-n-octyl Phthalate	8270E	3220	3240	99	3030	3280	92	38-143	6	30
Diethyl Phthalate	8270E	2650	3240	82	2470	3280	75	43-118	7	30
Dimethyl Phthalate	8270E	2610	3240	80	2450	3280	75	40-118	6	30
Hexachlorobenzene	8270E	2580	3240	80	2440	3280	74	35-122	6	30
Hexachlorobutadiene	8270E	1560	3240	48	1660	3280	51	28-96	6	30
Hexachlorocyclopentadiene	8270E	1700	3240	52	1850	3280	57	10-111	9	30
Hexachloroethane	8270E	1540	3240	47	1560	3280	48	18-85	2	30
Isophorone	8270E	1910	3240	59	1980	3280	60	39-104	3	30
N-Nitrosodi-n-propylamine	8270E	1850	3240	57	1900	3280	58	30-98	3	30
N-Nitrosodiphenylamine	8270E	2830	3240	87	2680	3280	82	43-130	6	30
Nitrobenzene	8270E	1630	3240	50	1690	3280	52	31-99	4	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/02/25

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511577-02			RQ2511577-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pentachlorophenol (PCP)	8270E	2090	3240	64	1950	3280	59	36-138	7	30
Phenol	8270E	1840	3240	57	1910	3280	58	31-100	4	30
Pyridine	8270E	2390	6490	37	2540	6550	39	12-80	6	30

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: ALS Environmental - US **Service Request:** R2510220
Project: 5285 harding
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl 10 - 159	Tetrachloro-m-xylene 10 - 132
5285 SB01 (1-2)	R2510220-001	83	65
5285 SB02 (3-4)	R2510220-002	87	59
5285 SB03 (5-6)	R2510220-003	63	40
Method Blank	RQ2511247-01	78	34
Lab Control Sample	RQ2511247-02	81	46
Duplicate Lab Control Sample	RQ2511247-03	78	42
Method Blank	RQ2511334-01	87	53
Lab Control Sample	RQ2511334-02	83	46
Duplicate Lab Control Sample	RQ2511334-03	82	47
Method Blank	RQ2511576-01	101	69
Lab Control Sample	RQ2511576-02	99	68
Duplicate Lab Control Sample	RQ2511576-03	101	69

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511247-01	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
4,4'-DDE	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
4,4'-DDT	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Aldrin	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Chlordane	4.2 U	8.3	4.2	1	09/08/25 21:38	8/25/25	
Dieldrin	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Endosulfan I	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Endosulfan II	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Endosulfan Sulfate	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Endrin	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Endrin Aldehyde	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Endrin Ketone	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Heptachlor	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Heptachlor Epoxide	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Methoxychlor	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
Toxaphene	19 U	33	19	1	09/08/25 21:38	8/25/25	
alpha-BHC	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
alpha-Chlordane	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
beta-BHC	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
delta-BHC	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
gamma-BHC (Lindane)	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	
gamma-Chlordane	0.84 U	1.7	0.84	1	09/08/25 21:38	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	78	10 - 159	09/08/25 21:38	
Tetrachloro-m-xylene	34	10 - 132	09/08/25 21:38	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511334-01	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
4,4'-DDE	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
4,4'-DDT	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Aldrin	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Chlordane	4.2 U	8.3	4.2	1	09/11/25 18:36	8/26/25	
Dieldrin	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Endosulfan I	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Endosulfan II	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Endosulfan Sulfate	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Endrin	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Endrin Aldehyde	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Endrin Ketone	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Heptachlor	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Heptachlor Epoxide	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Methoxychlor	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
Toxaphene	19 U	33	19	1	09/11/25 18:36	8/26/25	
alpha-BHC	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
alpha-Chlordane	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
beta-BHC	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
delta-BHC	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
gamma-BHC (Lindane)	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	
gamma-Chlordane	0.84 U	1.7	0.84	1	09/11/25 18:36	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	87	10 - 159	09/11/25 18:36	
Tetrachloro-m-xylene	53	10 - 132	09/11/25 18:36	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511576-01	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Analysis Method: 8081B
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
4,4'-DDE	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
4,4'-DDT	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Aldrin	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Chlordane	4.3 U	8.3	4.3	1	09/06/25 02:46	8/28/25	
Dieldrin	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Endosulfan I	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Endosulfan II	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Endosulfan Sulfate	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Endrin	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Endrin Aldehyde	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Endrin Ketone	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Heptachlor	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Heptachlor Epoxide	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Methoxychlor	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
Toxaphene	20 U	33	20	1	09/06/25 02:46	8/28/25	
alpha-BHC	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
alpha-Chlordane	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
beta-BHC	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
delta-BHC	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
gamma-BHC (Lindane)	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	
gamma-Chlordane	0.85 U	1.7	0.85	1	09/06/25 02:46	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	101	10 - 159	09/06/25 02:46	
Tetrachloro-m-xylene	69	10 - 132	09/06/25 02:46	

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/08/25

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511247-02			RQ2511247-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	5.27	6.62	80	5.47	6.61	83	48-121	4	30
4,4'-DDE	8081B	4.82	6.62	73	4.99	6.61	75	51-119	3	30
4,4'-DDT	8081B	5.80	6.62	88	5.66	6.61	86	51-126	2	30
Aldrin	8081B	4.02	6.62	61	4.07	6.61	62	45-109	1	30
Dieldrin	8081B	4.72	6.62	71	4.98	6.61	75	56-111	5	30
Endosulfan I	8081B	4.13	6.62	62	4.48	6.61	68	54-109	8	30
Endosulfan II	8081B	4.83	6.62	73	4.93	6.61	75	50-116	2	30
Endosulfan Sulfate	8081B	4.97	6.62	75	5.05	6.61	76	55-115	2	30
Endrin	8081B	4.91	6.62	74	5.11	6.61	77	49-124	4	30
Endrin Aldehyde	8081B	4.36	6.62	66	4.99	6.61	75	21-139	14	30
Endrin Ketone	8081B	5.56	6.62	84	5.56	6.61	84	50-124	<1	30
Heptachlor	8081B	4.20	6.62	64	4.26	6.61	64	43-115	1	30
Heptachlor Epoxide	8081B	4.60	6.62	69	4.94	6.61	75	53-113	7	30
Methoxychlor	8081B	6.09	6.62	92	6.42	6.61	97	47-141	5	30
alpha-BHC	8081B	3.91	6.62	59	3.86	6.61	58	44-109	1	30
alpha-Chlordane	8081B	4.64	6.62	70	4.76	6.61	72	52-114	3	30
beta-BHC	8081B	4.80	6.62	73	4.83	6.61	73	49-119	<1	30
delta-BHC	8081B	4.83	6.62	73	5.07	6.61	77	49-113	5	30
gamma-BHC (Lindane)	8081B	3.96	6.62	60	3.98	6.61	60	43-112	<1	30
gamma-Chlordane	8081B	4.75	6.62	72	4.87	6.61	74	51-117	2	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/11/25

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511334-02			RQ2511334-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	5.41	6.64	82	5.34	6.63	81	48-121	1	30
4,4'-DDE	8081B	4.78	6.64	72	5.33	6.63	80	51-119	11	30
4,4'-DDT	8081B	5.80	6.64	87	5.78	6.63	87	51-126	<1	30
Aldrin	8081B	4.02	6.64	61	4.36	6.63	66	45-109	8	30
Dieldrin	8081B	4.70	6.64	71	4.83	6.63	73	56-111	3	30
Endosulfan I	8081B	4.10	6.64	62	4.52	6.63	68	54-109	10	30
Endosulfan II	8081B	4.95	6.64	75	5.02	6.63	76	50-116	2	30
Endosulfan Sulfate	8081B	4.94	6.64	74	4.99	6.63	75	55-115	<1	30
Endrin	8081B	4.97	6.64	75	5.10	6.63	77	49-124	3	30
Endrin Aldehyde	8081B	4.40	6.64	66	4.28	6.63	65	21-139	3	30
Endrin Ketone	8081B	5.32	6.64	80	5.45	6.63	82	50-124	2	30
Heptachlor	8081B	4.39	6.64	66	4.76	6.63	72	43-115	8	30
Heptachlor Epoxide	8081B	4.45	6.64	67	4.83	6.63	73	53-113	8	30
Methoxychlor	8081B	6.26	6.64	94	6.46	6.63	97	47-141	3	30
alpha-BHC	8081B	3.98	6.64	60	4.27	6.63	65	44-109	7	30
alpha-Chlordane	8081B	4.57	6.64	69	4.87	6.63	74	52-114	6	30
beta-BHC	8081B	4.76	6.64	72	5.14	6.63	78	49-119	8	30
delta-BHC	8081B	4.93	6.64	74	5.25	6.63	79	49-113	6	30
gamma-BHC (Lindane)	8081B	3.99	6.64	60	4.33	6.63	65	43-112	8	30
gamma-Chlordane	8081B	4.69	6.64	71	4.91	6.63	74	51-117	5	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/06/25

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography using Microwave Extraction

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2511576-02			RQ2511576-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	8081B	6.91	6.69	103	6.85	6.67	103	48-121	<1	30
4,4'-DDE	8081B	6.18	6.69	92	6.16	6.67	92	51-119	<1	30
4,4'-DDT	8081B	5.90	6.69	88	6.24	6.67	94	51-126	6	30
Aldrin	8081B	6.02	6.69	90	5.91	6.67	89	45-109	2	30
Dieldrin	8081B	6.64	6.69	99	6.53	6.67	98	56-111	2	30
Endosulfan I	8081B	6.02	6.69	90	5.89	6.67	88	54-109	2	30
Endosulfan II	8081B	6.61	6.69	99	6.46	6.67	97	50-116	2	30
Endosulfan Sulfate	8081B	6.48	6.69	97	6.56	6.67	98	55-115	1	30
Endrin	8081B	6.27	6.69	94	6.24	6.67	94	49-124	<1	30
Endrin Aldehyde	8081B	6.22	6.69	93	6.11	6.67	92	21-139	2	30
Endrin Ketone	8081B	6.77	6.69	101	6.89	6.67	103	50-124	2	30
Heptachlor	8081B	6.34	6.69	95	6.20	6.67	93	43-115	2	30
Heptachlor Epoxide	8081B	6.45	6.69	96	6.31	6.67	95	53-113	2	30
Methoxychlor	8081B	7.02	6.69	105	7.52	6.67	113	47-141	7	30
alpha-BHC	8081B	5.76	6.69	86	5.77	6.67	87	44-109	<1	30
alpha-Chlordane	8081B	6.36	6.69	95	6.31	6.67	95	52-114	<1	30
beta-BHC	8081B	6.14	6.69	92	6.01	6.67	90	49-119	2	30
delta-BHC	8081B	6.19	6.69	93	6.17	6.67	93	49-113	<1	30
gamma-BHC (Lindane)	8081B	5.95	6.69	89	5.96	6.67	89	43-112	<1	30
gamma-Chlordane	8081B	6.63	6.69	99	6.50	6.67	98	51-117	2	30

Client: ALS Environmental - US **Service Request:** R2510220
Project: 5285 harding
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl 10 - 138	Tetrachloro-m-xylene 11 - 122
5285 SB01 (1-2)	R2510220-001	77	58
5285 SB02 (3-4)	R2510220-002	87	51
5285 SB03 (5-6)	R2510220-003	58	36
Method Blank	RQ2511247-01	70	32
Lab Control Sample	RQ2511247-04	79	44
Duplicate Lab Control Sample	RQ2511247-05	78	43
Method Blank	RQ2511334-01	76	50
Lab Control Sample	RQ2511334-04	76	53
Duplicate Lab Control Sample	RQ2511334-05	71	55
Method Blank	RQ2511576-01	87	71
Lab Control Sample	RQ2511576-04	83	71
Duplicate Lab Control Sample	RQ2511576-05	84	70

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511247-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	17 U	33	17	1	08/29/25 21:32	8/25/25	
Aroclor 1221	26 U	67	26	1	08/29/25 21:32	8/25/25	
Aroclor 1232	19 U	33	19	1	08/29/25 21:32	8/25/25	
Aroclor 1242	17 U	33	17	1	08/29/25 21:32	8/25/25	
Aroclor 1248	18 U	33	18	1	08/29/25 21:32	8/25/25	
Aroclor 1254	17 U	33	17	1	08/29/25 21:32	8/25/25	
Aroclor 1260	17 U	33	17	1	08/29/25 21:32	8/25/25	
Aroclor 1262	17 U	33	17	1	08/29/25 21:32	8/25/25	
Aroclor 1268	17 U	33	17	1	08/29/25 21:32	8/25/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	70	10 - 138	08/29/25 21:32	
Tetrachloro-m-xylene	32	11 - 122	08/29/25 21:32	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511334-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	17 U	33	17	1	09/03/25 20:41	8/26/25	
Aroclor 1221	26 U	66	26	1	09/03/25 20:41	8/26/25	
Aroclor 1232	19 U	33	19	1	09/03/25 20:41	8/26/25	
Aroclor 1242	17 U	33	17	1	09/03/25 20:41	8/26/25	
Aroclor 1248	18 U	33	18	1	09/03/25 20:41	8/26/25	
Aroclor 1254	17 U	33	17	1	09/03/25 20:41	8/26/25	
Aroclor 1260	17 U	33	17	1	09/03/25 20:41	8/26/25	
Aroclor 1262	17 U	33	17	1	09/03/25 20:41	8/26/25	
Aroclor 1268	17 U	33	17	1	09/03/25 20:41	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	76	10 - 138	09/03/25 20:41	
Tetrachloro-m-xylene	50	11 - 122	09/03/25 20:41	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511576-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	33	18	1	08/29/25 19:44	8/28/25	
Aroclor 1221	27 U	67	27	1	08/29/25 19:44	8/28/25	
Aroclor 1232	20 U	33	20	1	08/29/25 19:44	8/28/25	
Aroclor 1242	18 U	33	18	1	08/29/25 19:44	8/28/25	
Aroclor 1248	19 U	33	19	1	08/29/25 19:44	8/28/25	
Aroclor 1254	18 U	33	18	1	08/29/25 19:44	8/28/25	
Aroclor 1260	18 U	33	18	1	08/29/25 19:44	8/28/25	
Aroclor 1262	18 U	33	18	1	08/29/25 19:44	8/28/25	
Aroclor 1268	18 U	33	18	1	08/29/25 19:44	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	87	10 - 138	08/29/25 19:44	
Tetrachloro-m-xylene	71	11 - 122	08/29/25 19:44	

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/29/25

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2511247-04		RQ2511247-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	109	165	66	110	167	66	34-141	<1	30
Aroclor 1260	8082A	138	165	83	133	167	80	30-158	3	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/03/25

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2511334-04		RQ2511334-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	116	165	70	113	165	68	34-141	3	30
Aroclor 1260	8082A	133	165	80	126	165	76	30-158	5	30

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 08/29/25

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2511576-04		RQ2511576-05					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	138	167	83	139	167	83	34-141	<1	30
Aroclor 1260	8082A	143	167	86	144	167	86	30-158	<1	30

Client: ALS Environmental - US **Service Request:** R2510220
Project: 5285 harding
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA 10 - 151
5285 SB01 (1-2)	R2510220-001	38
5285 SB02 (3-4)	R2510220-002	49 P
5285 SB03 (5-6)	R2510220-003	43
Method Blank	RQ2511578-01	54
Lab Control Sample	RQ2511578-02	51
Duplicate Lab Control Sample	RQ2511578-03	52

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510220
Project:	5285 harding	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511578-01	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	5.0 U	9.9	5.0	1	09/04/25 04:31	8/28/25	
2,4,5-TP	4.5 U	9.9	4.5	1	09/04/25 04:31	8/28/25	
2,4-D	6.5 U	9.9	6.5	1	09/04/25 04:31	8/28/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	54	10 - 151	09/04/25 04:31	

Client: ALS Environmental - US
Project: 5285 harding
Sample Matrix: Soil

Service Request: R2510220
Date Analyzed: 09/04/25

Duplicate Lab Control Sample Summary
Chlorinated Herbicides by GC

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2511578-02		RQ2511578-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-T	8151A	19.0	24.6	77	19.6	24.9	79	19-127	3	30
2,4,5-TP	8151A	17.3	24.6	70	17.9	24.9	72	18-122	4	30
2,4-D	8151A	14.2	24.6	58	15.4	24.9	62	31-119	8	30

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client: ALS Environmental - US
Project: 5285 harding
Matrix: Soil

Service Request: R2510220
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2511578-02

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-T	5.0	19.0	18.5	3		1	09/04/25 04:49
2,4,5-TP	4.5	17.3	17.0	2		1	09/04/25 04:49
2,4-D	6.5	14.2	16.0	12		1	09/04/25 04:49

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client: ALS Environmental - US
Project: 5285 harding
Matrix: Soil

Service Request: R2510220
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2511578-03

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-T	5.0	19.6	19.4	1		1	09/04/25 05:08
2,4,5-TP	4.5	17.9	17.3	3		1	09/04/25 05:08
2,4-D	6.5	15.4	16.5	7		1	09/04/25 05:08

right solutions.
right partner.

October 20, 2025

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

Date Received: **10/10/2025**
Work Order: **HN2515054**

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/ DALE SCHIPPER

Project Manager

Client: The Mannik & Smith Group, Inc. **Work Order:** HN2515054

Project: DETR0060 **Date Received:** 10-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 10-Oct-2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: DETR0060
Workorder: HN2515054

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2515054-001	5285 Harding SB01 TCLP	SOIL/SOLID	10/09/25 08:47	10/10/25 07:00

REPORT QUALIFIERS AND DEFINITIONS

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

Holland Laboratory 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

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515054
Project:	DETR0060	**Date Collected:**	10/09/25 08:47
Matrix:	SOIL/SOLID	**Date Received:**	10/10/25 07:00

CLIENT ID: 5285 Harding SB01 TCLP **Lab ID: HN2515054-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Arsenic	EPA 6020B	ND		mg/L	0.0499	1	10/17/25 00:23	10/16/25 10:34

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515054
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2278706	**Run ID:**	3595179

TCLP Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2278706-001**

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 10/17/25 00:06

Prep Date: 10/16/25 10:35

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-2278706-002**

Method: EPA 6020B **Dilution:** 1 **Analysis Date:** 10/17/25 00:08

Prep Date: 10/16/25 10:35

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	1.05	mg/L	0.0499	1		105	80-120			

The following samples were analyzed in this batch: HN2515054-001

ANALYST SUMMARY

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515054
Project:	DETR0060		

Sample Name:	5285 Harding SB01 TCLP	**Date Collected:**	10/09/25
Laboratory Code:	HN2515054-001	**Date Received:**	10/10/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AD	2278706	Chloe Patrick	3595179	Hunter Johnson

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	5285 Harding	A	TCLP Arsenic
Work Order	Quote ID - 11631	Project Number	DETR0060	B	
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group	C	
Send Report To	Ryan Montri	Invoice Attn.		D	
Address	2365 South Haggerty Road	Address	2365 South Haggerty Road	E	
				F	
City/State/Zip	Canton, Mi 48188	City/State/Zip	Canton, Mi 48188	G	
Phone	734-397-3100	Phone	734-397-3100	H	
Fax		Fax		I	
e-Mail Address	rmontri@manniksmithgroup.com	e-Mail Address		J	

Environmental Division Holland
Work Order Reference
HN2515054

Telephone : +1 616 399 6070

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	Field
1	5285 Harding SB01 TCLP	10/9/25	08:47	Soil		2	X					
2												
3												
4												
5												
6												
7												
8												
9												
10												

Sampler(s): Please Print & Sign: Shannon Kaczmarek

Shipment Method:

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

Results Due Date:

Relinquished by:	**Date:** 10/9/25	**Time:** 1621	**Received by:**	**Notes:** QS to Brittanyh 10/10/25 0700
Relinquished by:	**Date:** 10/9/25	**Time:** 1700	**Received by (Laboratory):** QJ	**Cooler Temp.** 12.7 1.9C
Logged by (Laboratory): BH	**Date:** 10/10/25	**Time:** 14:13	**Checked by (Laboratory):**	

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:	Brittany H
Date/Time:	10/10/25 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):	1.9/1.9C
Thermometer(s):	127
Sample(s) received on ice?	(Yes) / No
Matrix/Matrices:	Soil
Cooler(s)/Kit(s):	1
Date/Time sample(s) sent to storage:	10/10/25 14:13
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: