DRAFT

FILL MATERIAL SAMPLING REPORT

5662 SEMINOLE STREET
DETROIT, WAYNE COUNTY, MICHIGAN 48213

NOVEMBER 20, 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

5662 Seminole
Detroit, Wayne County, Michigan 48213

Prepared By: _____

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Mannik Smith Group

EXECUTIVE SUMMARY

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Detroit (COD) to perform sampling and analysis of fill materials at the property commonly addressed as 5662 Seminole 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 5662 SB01, 5662 SB02, and 5662 SB03 generally consisted of one to five feet of brown silty clay underlain by grayish black silty clay to six feet bgs, the maximum depth explored for this investigation. Field photoionization detector (PID) readings of the recovered soil cores ranged from 0.0 to 3.3 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities. Concrete and asphalt debris were observed from zero to six deet bgs in all three borings.
- Concentrations of arsenic, fluoranthene, phenanthrene, and chromium (Total) were detected in soil samples 5662 SB02 (1-2') and/or 5662 SB03 (3-4') in excess of their respective Part 201 drinking water protection criteria (DWPC) and/or groundwater surface water interface protection criteria (GSIPC).
- Concentrations of benzene, ethylbenzene, and phenanthrene were detected in soil samples 5662 SB02 (1-2') and/or 5662 SB03 (3-4') in excess of their respective soil volatilization to indoor air pathway (SVIAP) and/or recommended interim action screening level (RIASL).
- Concentrations of 4,4-DDD, 4,4-DDE, 4,4-DDT, acetone, alpha-chlordane, anthracene, barium, benzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chlordane, chloride, chrysene, copper, ethylbenzene, gamma-chlordane, heptachlor epoxide, indeno(1,2,3-cd)pyrene, lead, mercury, methoxychlor, methyl acetate, pyrene, toluene, and zinc were detected in soil samples 5662 SB01 (5-6'), 5662 SB02 (1-2'), and/or 5662 SB03 (3-4') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- Toxicity Characteristic Leaching Procedure (TCLP) laboratory analytical results revealed that concentrations of arsenic, chromium, lead, VOCs, and SVOCs 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.*
- Pesticides and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying

bedrock. Therefore, the drinking water (DW) exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. Since the building on site has been razed, the SVIAP is not currently complete; however, consideration may need to be given to this pathway if future construction is planned.

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 5662 Seminole 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 13, 2025, October 13, 2025, and November 12, 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 13, 2025, October 13, 2025, and November 12, 2025. A daily field activity report prepared by MSG is 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 5662 SB01, 5662 SB02, and 5662 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 13, 2025, MSG mobilized to the Site to collect an additional soil sample based on request from the COD. Sample location and analyte(s) were based on the laboratory results of the initial soil investigation. MSG personnel advanced one soil boring in the immediate vicinity of the soil boring location that exhibited the highest laboratory result(s) in excess of Part 201 GRCC. Soils were continuously profiled from the ground surface to the termination depth of six feet bgs utilizing a direct push drill rig. These soils were homogenized in a stainless-steel bowl (or equivalent) to produce a single, composite soil sample. The composite soil sample was placed into unpreserved laboratory-supplied sample containers, as appropriate for the associated laboratory analyses.

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

On November 12, 2025 MSG mobilized to the Site to collect additional soil samples based on request from the COD in order to fulfill waste characterization parameters required at a Type II landfill. Sample location and analyte(s) were based on the laboratory results of the initial soil sampling event, as compared to *40 C.F.R. §*

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

3.4 Decontamination

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

3.5 Analytical Methods

A total of five (5) soil samples, designated 5662 SB01 (5-6'), 5662 SB02 (1-2'), 5662 SB03 (3-4'), 5662 Seminole SB-3 (0'-6') Comp, and 5662 Seminole SB02 (1-2')-R, 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 13, 2025, October 13, 2025, and November 12, 2025.

4.1 Site Geology and Hydrogeology

The stratigraphy encountered during soil boring advancement of 5662 SB01, 5662 SB02, and 5662 SB03 generally consisted of one to five feet of brown silty clay underlain by grayish black silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.0 to 3.3 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of

contamination observed during soil sampling activities. Concrete and asphalt debris were observed from zero to six deet bgs in all three borings.

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 5662 SB01 (5-6'), 5662 SB02 (1-2'), and 5662 SB03 (3-4'), 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	5662 SB02 (1-2') 5662 SB03 (3-4')	DWPC[2] / 4,600 GSIPC[3] / 4,600	7,000
Chromium (Total)	7440-47-3	5662 SB02 (1-2')	GSIPC / 3,300	29,200
Fluoranthene	206-44-0	5662 SB02 (1-2')	GSIPC / 5,500	5,600
Phenanthrene	85-01-8	5662 SB02 (1-2')	GSIPC / 2,100	5,100

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

4.3 TCLP Analytical Results

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

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

4.4 Exposure Evaluation

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

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

5.0 FINDINGS

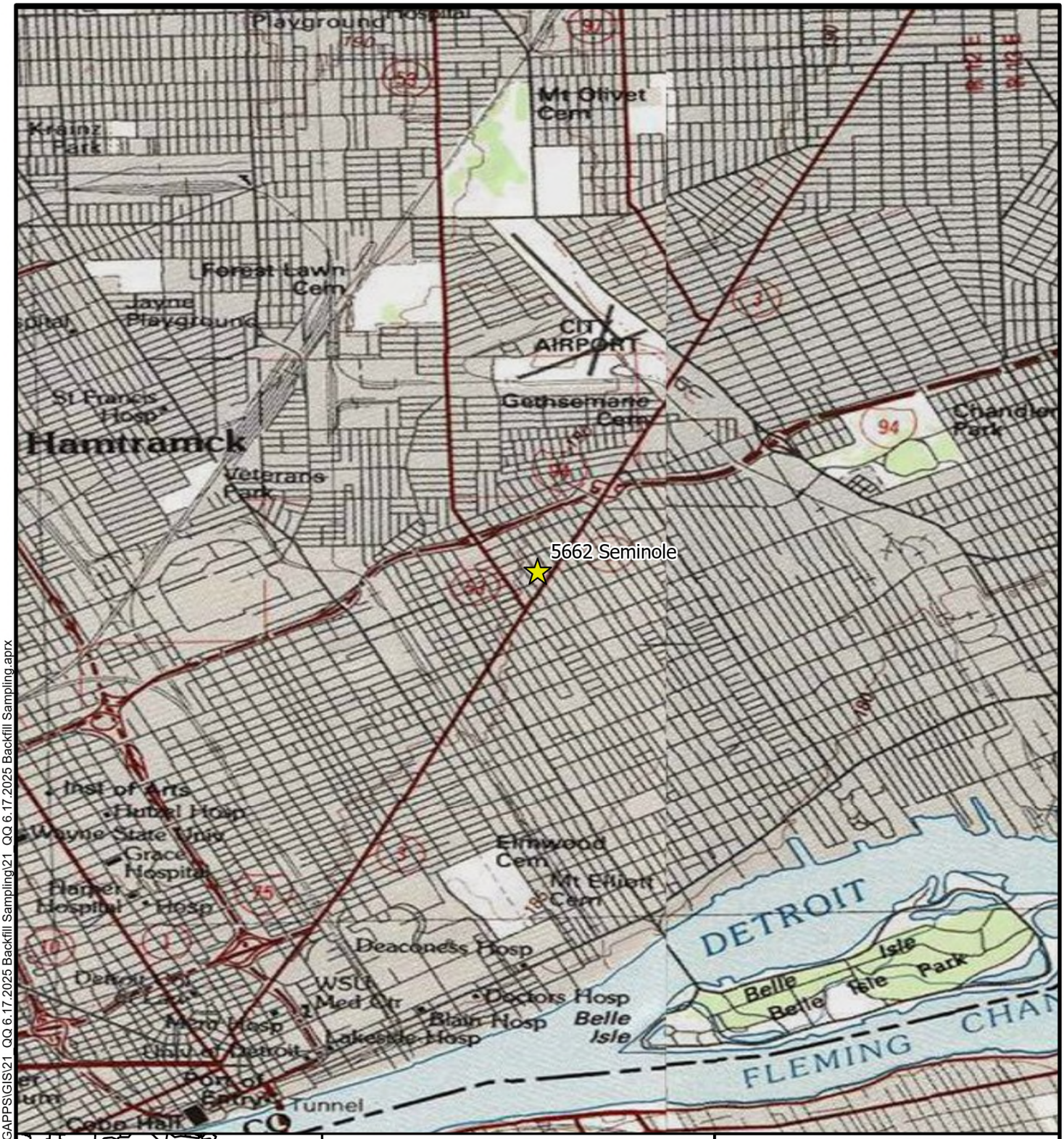
MSG has evaluated the analytical results of the fill material samples collected at the Site in general accordance with the COD's *Sampling and Analysis of Fill Materials Scope of Service*s, dated June 17, 2025. The findings of this investigation are presented below:

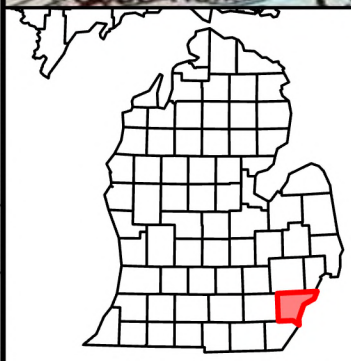
- The stratigraphy encountered during soil boring advancement of 5662 SB01, 5662 SB02, and 5662 SB03 generally consisted of one to five feet of brown silty clay underlain by grayish black silty clay to six feet bgs, the maximum depth explored for this investigation. Field PID readings of the recovered soil cores ranged from 0.0 to 3.3 ppm. There were no visual (staining) and/or olfactory (e.g., petroleum-like odors) indications of contamination observed during soil sampling activities. Concrete and asphalt debris were observed from zero to six deet bgs in all three borings.
- Concentrations of arsenic, fluoranthene, phenanthrene, and chromium (Total) were detected in soil samples 5662 SB02 (1-2') and/or 5662 SB03 (3-4') in excess of their respective Part 201 DWPC and/or GSIPC.
- Concentrations of 4,4-DDD, 4,4-DDE, 4,4-DDT, acetone, alpha-chlordane, anthracene, barium, benzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chlordane, chloride, chrysene, copper, ethylbenzene, gamma-chlordane, heptachlor epoxide, indeno(1,2,3-cd)pyrene, lead, mercury, methoxychlor, methyl acetate, pyrene, toluene, and zinc were detected in soil samples 5662 SB01 (5-6'), 5662 SB02 (1-2'), and/or 5662 SB03 (3-4') at concentrations above laboratory method detection limits; however, detected concentrations were below their respective Part 201 GRCC and/or Statewide Default Background Levels.
- TCLP laboratory analytical results revealed that concentrations of arsenic, chromium, lead, VOCs, and SVOCs 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*.
- Pesticides and herbicides were not detected above laboratory method detection reporting limits.
- Groundwater was not encountered during soil boring activities completed as part of this investigation. Groundwater is not utilized as drinking water at or near the Site, as municipal water is supplied via the COD, and the general geology of the Site and surrounding area consists of fill materials underlain by clay overlying bedrock. Therefore, the DW exposure pathway can be considered not applicable. Additionally, groundwater was not encountered during this investigation to transport contaminants to either storm sewers or surface water and the clay layer also inhibits migration, therefore, the groundwater surface water exposure pathway can be considered not applicable. Since the building on site has been razed, the SVIAP is not currently complete; however, consideration may need to be given to this pathway if future construction is planned.

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

5662 Seminole, Detroit, MI

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

Basemap Source: ESRI USA_Topo_Maps Web Service

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

MSG

0 20 40
Feet

Sample Locations
Parcels (Current)
Subject Property

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

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FIGURE 2

Site Layout

5662 Seminole, Detroit, MI

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

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

TABLES

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
5662 Seminole, 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)								
			Acetone	Benzene	Ethylbenzene	Methyl Acetate	Toluene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(a)pyrene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
CAS Number			67-64-1	71-43-2	100-41-4	79-20-9	108-88-3	120-12-7	56-55-3	205-99-2	50-32-8	218-01-9	206-44-0	193-39-5	85-01-8	129-00-0
Statewide Default Background Levels			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Drinking Water Protection Criteria (DWPC)			15,000	100	1,500	NA	16,000	41,000	NLL	NLL	NLL	NLL	7.3E+05	NLL	56,000	4.8E+05
Groundwater Surface Water Interface Protection Criteria (GSIPC)			34,000	4,000 (X)	360	NA	5,400	ID	NLL	NLL	NLL	NLL	5,500	NLL	2,100	ID
Soil Volatilization to Indoor Air Inhalation (SVIIC)			2.9E+8 (C)	1,600	87,000	NA	3.3E+5 (C)	1.0E+09 (D)	NLV	ID	NLV	ID	1.0E+09 (D)	NLV	2.8E+06	1.0E+09 (D)
Soil Volatilization to Indoor Air Pathway (SVIAP)			2.6E+05 (EE)	1.7 (M)	12 (M)	--	3,700	1.3E+07	1.6E+05 (MM)	NA	NA	NA	NA	NA	1,700	2.5E+07
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			1.3E+08	13,000	7.2E+05	NA	2.8E+06	1.4E+09	NLV	ID	NLV	ID	7.4E+08	NLV	1.6E+05	6.5E+08
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			1.3E+08	34,000	1.0E+06	NA	5.1E+06	1.4E+09	NLV	ID	NLV	ID	7.4E+08	NLV	1.6E+05	6.5E+08
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			1.9E+08	79,000	2.2E+06	NA	1.2E+07	1.4E+09	NLV	ID	NLV	ID	7.4E+08	NLV	1.6E+05	6.5E+08
Particulate Soil Inhalation Criteria (PSIC)			3.9E+11	3.8E+08	1.0E+10	NA	2.7E+10	6.7E+10	ID	ID	1.5E+06	ID	9.3E+09	ID	6.7E+06	6.7E+09
Direct Contact Criteria (DCC)			2.3E+07	1.8E+05	2.2E+07 (C)	NA	5.0E+07 (C)	2.3E+08	20,000	20,000	2,000	2.0E+06	4.6E+07	20,000	1.6E+06	2.9E+07
Soil Saturation Concentration Screening Levels (C_{sat})			1.1E+08	4.0E+05	1.4E+05	NA	2.5E+05	NA	NA	NA	NA	NA	NA	NA	NA	NA
Recommended Interim Action Screening Level (RIASL)			2.6E+05	1.7 (M)	12 (M)	NA	3,700	NA	NA	NA	NA	NA	NA	NA	NA	NA
SAMPLE ID	DEPTH	SAMPLE DATE														
5662 SB01	5-6	8/13/2025	**154**	<35.6	<35.6	<297	<35.6	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800	<1,800
5662 SB02	1-2	8/13/2025	<124	<37.1	<37.1	<309	<37.1	**1,600**	**2,100**	**2,000**	**2,000**	**1,900**	**5,600**	**1,100**	**5,100**	**4,100**
5662 SB03	3-4	8/13/2025	**237**	**72.1**	**44.3**	**2,130**	**103**	<1,900	<1,900	<1,900	<1,900	<1,900	<1,900	<1,900	<1,900	<1,900

Notes:

Bold indicates concentration above laboratory reporting limits.

Exceeds DWPC

Exceeds GSIPC

Exceeds Applicable Soil Vapor Inhalation screening level

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

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

ND = Not Detected above laboratory reporting limits

NS = Not Sampled or Not Analyzed

NR = Not Reported (Data missing from provided report)

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

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

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
5662 Seminole, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 Units: µg/kg			Michigan 10 Metals								
			Arsenic	Barium (B)	Cadmium (B)	Chromium (Total)	Copper (B)	Lead (B)	Mercury (B,Z)	Selenium (B)	Silver (B)	Zinc (B)
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
Statewide Default Background Levels			5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000
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
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)
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NLV	NLV	NLV	NLV	NLV	NLV	48,000	NLV	NLV	NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)			NA	NA	NA	--	NA	NA	22 (M)	NA	NA	NA
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NLV	NLV	NLV	NLV	NLV	NLV	52,000	NLV	NLV	NLV
Particulate Soil Inhalation Criteria (PSIC)			7.2E+05	3.3E+08	1.7E+06	2.6E+05	1.3E+08	1.0E+08	2.0E+07	1.3E+08	6.7E+06	ID
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
Soil Saturation Concentration Screening Levels (C_{sat})			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
SAMPLE ID	DEPTH	SAMPLE DATE										
5662 SB01	5-6	8/13/2025	**3,130**	**305,000**	<1,130	**8,520**	**9,780**	**33,400**	**28.5**	<2,830	<2,830	**38,200**
5662 SB02	1-2	8/13/2025	**5,910**	**242,000**	<1,390	**29,200**	**18,500**	**384,000**	**98.0**	<3,480	<3,480	**146,000**
5662 SB03	3-4	8/13/2025	**7,000**	**60,600**	<1,230	**16,500**	**16,300**	**30,600**	**50.3**	<3,080	<3,080	**57,900**

Notes:

Bold indicates concentration above laboratory reporting limits.

Exceeds DWPC

Exceeds GSIPC

Exceeds Applicable Soil Vapor Inhalation screening level

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

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

ND = Not Detected above laboratory reporting limits

NS = Not Sampled or Not Analyzed

NR = Not Reported (Data missing from provided report)

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

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

Table 1
Soil Sample Analytical Detection Summary

Detroit Backfill Sampling
5662 Seminole, Detroit, Michigan

SOIL: Part 201/213 Generic Residential Cleanup Criteria Revised October 12, 2023 Units: µg/kg			Pesticides/Herbicides								Polychlorinated Biphenyls (PCBs)	Inorganic Anions/Ions
			4,4;-DDD	4,4;-DDE	4,4;-DDT	Heptachlor Epoxide	Methoxychlor	alpha-Chlordane	gamma-Chlordane	Chlordane		Chloride
CAS Number			72548	72559	50-29-3	1024573	72435	NA	NA	57-74-9		16887006
Statewide Default Background Levels			NA	NA	NA	NA	NA	NA	NA	NA		NA
Drinking Water Protection Criteria (DWPC)			NLL	NLL	NLL	NLL	16,000	NA	NA	NLL		5.00E+06
Groundwater Surface Water Interface Protection Criteria (GSIPC)			NLL	NLL	NLL	NLV	NA	NA	NA	NLL		(X)
Soil Volatilization to Indoor Air Inhalation (SVIIC)			NLV	NLV	NLV	NLV	ID	NA	NA	1.10E+07		NLV
Soil Volatilization to Indoor Air Pathway (SVIAP)			NLV	NA	--	NLV	ID	NA	NA	13,000		--
Infinite Source Volatile Soil Inhalation Criteria (VSIC)			NLV	NLV	NLV	NLV	ID	NA	NA	1.20E+06		NLV
Finite Source Volatile Soil Inhalation Criteria (5 m) (VSIC 5m)			NLV	NLV	NLV	NLV	ID	NA	NA	1.20E+06		NLV
Finite Source Volatile Soil Inhalation Criteria (2 m) (VSIC 2m)			NLV	NLV	NLV	NLV	ID	NA	NA	1.20E+06		NLV
Particulate Soil Inhalation Criteria (PSIC)			4.4E+07	3.20E+07	3.20E+07	1.20E+06	ID	NA	NA	3.1E+07		ID
Direct Contact Criteria (DCC)			95,000	45,000	57,000	3,100	1.90E+06	NA	NA	31,000		5.0E+5 (F)
Soil Saturation Concentration Screening Levels (C_{sat})			NA	NA	NA	NA	NA	NA	NA	NA		NA
Recommended Interim Action Screening Level (RIASL)			NA	NA	--	NA	NA	NA	NA	NA		--
SAMPLE ID	DEPTH	SAMPLE DATE										
5662 SB01	5-6	8/13/2025	**15**	**110**	**97**	**5.9**	<3.7	**22**	**16**	**38**	ND	**133,000**
5662 SB02	1-2	8/13/2025	**11**	**60**	**21**	<5.8	**8.6**	**32**	**25**	**57**	ND	**60,900**
5662 SB03	3-4	8/13/2025	**25**	**100**	**25**	<3.9	<3.9	**70**	**63**	**133**	ND	**32,400**

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
5662 Seminole, Detroit, Michigan

40 C.F.R. § 261.24 Code of Federal Regulations Title 40 - Protection of Environment Chapter I - Environmental Protection Agency Subchapter I - Solid Wastes Part 261- Identification and Listing of Hazardous Waste Subpart C - Characteristics of Hazardous Waste *Units: mg/L*		**TCLP Metals**			**TCLP Semivolatile Organic Compounds (SVOCs)**												**TCLP Volatile Organic Compounds (VOCs)**									
		Arsenic	Chromium	Lead	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dinitrotoluene	2-Methylphenol	3&4-Methylphenol	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Nitrobenzene	Pentachlorophenol	Pyridine	1,1-Dichloroethylene	1,2-Dichloroethane	2-Butanone	Benzene	Carbon tetrachloride	Chlorobenzene	Chloroform	Tetrachloroethylene	Trichloroethene	Vinyl chloride
Maximum Concentration of Contaminants for the Toxicity Characteristic		5.00	5.00	5.00	7.5	400.0	2.0	10.0	-	-	0.13	0.5	3.0	2.0	100.0	5.0	0.7	0.5	200.0	0.5	0.5	100	6	0.7	0.5	0.2
SAMPLE ID	SAMPLE DATE																									
5662 Seminole SB-3 (0'-6') Comp	10/13/2025	<0.00190	<0.00610	NS	<0.00444	<0.00670	<0.00920	<0.00444	<0.00438	<0.00660	<0.00408	<0.00452	<0.00615	<0.00424	<0.0368	<0.0129	<0.00800	<0.00880	<0.0486	<0.00920	<0.00800	<0.00800	<0.00920	<0.00780	<0.00860	<0.0106
5662 Seminole SB02 (1-2')-R	11/12/2025	NS	NS	<0.00220	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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: 08/13/2025 **Day:** Thursday
MSG Personnel: WRD, ZRG, JDF

Temp:	83º F	**(AM)**	N/A	**(PM)**
Cloud Cover:	~5%	**(AM)**	N/A	**(PM)**
Precip.:	None	**(AM)**	N/A	**(PM)**

Personnel: MSG
MSG Hours On-Site: 1.5 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:

- 1321 – ZRG & WRD onsite (5662 Seminole St)
- 1324 – Unloaded equipment and checked boring locations
- 1329 – Began drilling SB01
- 1343 – Finished drilling SB01
- 1345 – Began drilling SB02
- 1359 – Finished drilling SB02
- 1402 – Began drilling SB03
- 1419 – Finished drilling SB03
- 1425 – Sampled 5662 SB01 (1-2')
- 1430 – Sampled 5662 SB02 (5-6')
- 1435 – Sampled 5662 SB03 (3-4')
- 1440– Packed up equipment
- 1455 – 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 – 5662 Seminole
Report No.: 2
Job No.: DETR0060

Date: 10/13/2025	**Day:** Monday	**Temp:** -	(AM)	69º F	(PM)
MSG Personnel: EMB, BSM		**Cloud Cover:** 0%	(AM)	10%	(PM)
		Precip.: None	(AM)	None	(PM)
Personnel: MSG		**Wind:** -	(AM)	8 mph ENE	(PM)
MSG Hours On-Site: ~0.75 hours					

Contractors Information

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

Summary of Work Performed:

- Advanced one (1) onsite soil boring to a maximum depth of 6 feet below ground surface (bgs)
- Collected a composite soil sample from the soil boring from 0'-6'.

Field Notes:

- 1400 – MSG onsite (5662 Seminole).
- 1415 - Collected composite sample from SB-3 from 0'-6'.
  - 5662 Seminole SB-3 (0'-6') Comp.
  - MSG GPS'd SB location.
- 1430 – 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 the Site at the time of TCLP soil boring activities

Photo 2. View of TCLP soil boring location

Photo 3. View of TCLP soil recovery

Photo 4. View of grass seed 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.BFS18
PROJECT LOCATION 5662 Seminole, Detroit, MI
DATE STARTED 08-13-2025 **COMPLETED** 08-13-2025
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, some Concrete & Asphalt debris; dry	0.0	
					0.0	
	ES	33			0.1	
					0.3	
				4.0 Black CLAY, some Silt, Concrete, & Asphalt, trace Brick debris; moist	1.8	
5						Collected soil sample 5662 SB01 (5-6) at 14:25
				6.0	2.1	
				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.BFS18
PROJECT LOCATION 5662 Seminole, Detroit, MI
DATE STARTED 08-13-2025 **COMPLETED** 08-13-2025
POSITION
DRILLING CONTRACTOR MSG
SURFACE ELEVATION **FINAL DEPTH** 6.0 ft
DRILLING METHOD Direct Push
LOGGED BY WRD **CHECKED BY** PDH
EQUIPMENT Geoprobe 7822DT **Operator** JDF
REMARKS

DEPTH (ft)	SAMPLE INTERVALS	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)	REMARKS
	ES	33		Brown Silty CLAY, some Concrete & Asphalt debris; dry	0.1 0.3 0.2 0.2	Collected soil sample 5662 SB02 (1-2) at 14:30
5				5.0 Dark Gray Silty CLAY; moist 6.0	1.1 1.4	
				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.BFS18
PROJECT LOCATION 5662 Seminole, Detroit, MI
DATE STARTED 08-13-2025 **COMPLETED** 08-13-2025
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				Brown Silty CLAY, some Concrete & Asphalt debris; dry	0.2	
					0.3	
	ES	38			1.4	Collected soil sample 5662 SB03 (3-4) at 14:35
					3.3	
5					2.8	
				6.0	1.8	
				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

HN2511556

Client

The Mannik & Smith Group, Inc.

Project

5662 Seminole

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: **HN2511556**

Re: **5662 Seminole**

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:** HN2511556
Project: 5662 Seminole **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.

Inorganics

EPA 9056A-S (High)

Run ID: 3416753

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

Organics

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

Run ID: 3434986

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 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
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 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 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 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

Metals

EPA 6020B-3050B-S

Run ID: 3418166

The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Cr Batch 2170135

The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: Pb Batch 2170135

The MSD recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba, Zn Batch 2170135

The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Cr, Pb Batch 2170135

The MS recovery was outside of the control limit; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba, Zn Batch 2170135

HN2511556-001: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-001: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-001: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-002: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-002: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-002: Cadmium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-003: Selenium - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-003: Silver - The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

HN2511556-003: Cadmium - 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: 5662 SB01 (5-6)		Lab ID: HN2511556-001			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Acetone	154		119	µg/kg	EPA 8260D
Arsenic	3.13		2.83	mg/kg	EPA 6020B
Barium	305		2.83	mg/kg	EPA 6020B
Chloride	133		11.1	mg/kg	EPA 9056A
Chromium	8.52		2.83	mg/kg	EPA 6020B
Copper	9.78		2.83	mg/kg	EPA 6020B
Lead	33.4		2.83	mg/kg	EPA 6020B
Mercury	0.0285		0.0200	mg/kg	EPA 7471B
Percent Moisture	9.4		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	38.2		5.67	mg/kg	EPA 6020B

CLIENT ID: 5662 SB02 (1-2)		Lab ID: HN2511556-002			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Arsenic	5.91		3.48	mg/kg	EPA 6020B
Barium	242		3.48	mg/kg	EPA 6020B
Chloride	60.9		11.5	mg/kg	EPA 9056A
Chromium	29.2		3.48	mg/kg	EPA 6020B
Copper	18.5		3.48	mg/kg	EPA 6020B
Lead	384		3.48	mg/kg	EPA 6020B
Mercury	0.0980		0.0200	mg/kg	EPA 7471B
Percent Moisture	12.6		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	146		6.96	mg/kg	EPA 6020B

CLIENT ID: 5662 SB03 (3-4)		Lab ID: HN2511556-003			
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Acetone	237		118	µg/kg	EPA 8260D
Arsenic	7.00		3.08	mg/kg	EPA 6020B
Barium	60.6		3.08	mg/kg	EPA 6020B
Benzene	72.1		35.5	µg/kg	EPA 8260D
Chloride	32.4		11.6	mg/kg	EPA 9056A
Chromium	16.5		3.08	mg/kg	EPA 6020B
Copper	16.3		3.08	mg/kg	EPA 6020B
Ethylbenzene	44.3		35.5	µg/kg	EPA 8260D

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: 5662 SB03 (3-4)			Lab ID: HN2511556-003		
Analyte	**Results**	**Flag**	**MRL**	**Units**	**Method**
Lead	30.6		3.08	mg/kg	EPA 6020B
Mercury	0.0503		0.0200	mg/kg	EPA 7471B
Methyl acetate	2130		296	µg/kg	EPA 8260D
Percent Moisture	13.1		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
Toluene	103		35.5	µg/kg	EPA 8260D
Zinc	57.9		6.16	mg/kg	EPA 6020B

SAMPLE SUMMARY

Client: The Mannik & Smith Group, Inc.
Project: 5662 Seminole
Workorder: HN2511556

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2511556-001	5662 SB01 (5-6)	SOIL/SOLID	08/13/25 14:25	08/15/25 08:00
HN2511556-002	5662 SB02 (1-2)	SOIL/SOLID	08/13/25 14:30	08/15/25 08:00
HN2511556-003	5662 SB03 (3-4)	SOIL/SOLID	08/13/25 14:35	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	5662 Seminole	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	5662 SB01 (5-6)	8/13/25	1425	Soil	MeTH	3	X		X	X	X	X	X				
2	5662 SB02 (1-2)	"	1430	Soil	"	3	X		X	X	X	X	X				
3	5662 SB03 (3-4)	"	1435	Soil	"	3	X		X	X	X	X	X				
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Environmental Division Holland
Work Order Reference
HN2511556

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	**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:** 13:05	**Checked by (Laboratory):**	2.4°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 13:10
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:** HN2511556
Project: 5662 Seminole

Sample Name: 5662 SB01 (5-6) **Date Collected:** 08/13/25
Laboratory Code: HN2511556-001 **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	2170135	Weston Kotecki	3418166	Hunter Johnson
EPA 7471B	Method	001-AC	2172935	Maxx Richey	3422787	Denise Coffey
EPA 8081B		001-AD			3490913	Bill Carey
EPA 8082A		001-AD			3490913	Bill Carey
EPA 8151A		001-AD			3490913	Bill Carey
EPA 8260D	EPA 5035A	001-AA	2163473	Jonathan Vazquez	3434986	John Garvale
EPA 8270E		001-AD			3490913	Bill Carey
EPA 9056A	EPA 9056A	001-AC	2167783	Quoc Nguyen	3416753	Riley Miller

Sample Name: 5662 SB02 (1-2) **Date Collected:** 08/13/25
Laboratory Code: HN2511556-002 **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	2170135	Weston Kotecki	3418166	Hunter Johnson
EPA 7471B	Method	002-AC	2172935	Maxx Richey	3422787	Denise Coffey
EPA 8081B		002-AD			3490913	Bill Carey
EPA 8082A		002-AD			3490913	Bill Carey
EPA 8151A		002-AD			3490913	Bill Carey
EPA 8260D	EPA 5035A	002-AA	2163473	Jonathan Vazquez	3434986	John Garvale
EPA 8270E		002-AD			3490913	Bill Carey
EPA 9056A	EPA 9056A	002-AC	2167783	Quoc Nguyen	3416753	Riley Miller

Sample Name: 5662 SB03 (3-4) **Date Collected:** 08/13/25
Laboratory Code: HN2511556-003 **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:**	HN2511556
Project:	5662 Seminole		

Sample Name:	5662 SB03 (3-4)	**Date Collected:**	08/13/25
Laboratory Code:	HN2511556-003	**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	2170135	Weston Kotecki	3418166	Hunter Johnson
EPA 7471B	Method	003-AC	2172935	Maxx Richey	3422787	Denise Coffey
EPA 8081B		003-AD			3490913	Bill Carey
EPA 8082A		003-AD			3490913	Bill Carey
EPA 8151A		003-AD			3490913	Bill Carey
EPA 8260D	EPA 5035A	003-AA	2163473	Jonathan Vazquez	3434986	John Garvale
EPA 8270E		003-AD			3490913	Bill Carey
EPA 9056A	EPA 9056A	003-AC	2167783	Quoc Nguyen	3416753	Riley Miller

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB01 (5-6) **Lab ID: HN2511556-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**9.4**		%	0.1	1	08/21/25 14:45	NA
Chloride	EPA 9056A	**133**		mg/kg	11.1	1	08/19/25 17:29	08/19/25 13:22
Metals								
Arsenic	EPA 6020B	**3.13**		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Barium	EPA 6020B	**305**		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Cadmium	EPA 6020B	ND		mg/kg	1.13	10	08/20/25 22:39	08/20/25 10:26
Chromium	EPA 6020B	**8.52**		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Copper	EPA 6020B	**9.78**		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Lead	EPA 6020B	**33.4**		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Selenium	EPA 6020B	ND		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Silver	EPA 6020B	ND		mg/kg	2.83	10	08/20/25 22:39	08/20/25 10:26
Zinc	EPA 6020B	**38.2**		mg/kg	5.67	10	08/20/25 22:39	08/20/25 10:26
Mercury	EPA 7471B	**0.0285**		mg/kg	0.0200	1	08/22/25 10:01	08/21/25 15:36
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8082A	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8151A	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8270E	**See attached.**		-		1	09/12/25 16:24	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,1,2,2-Tetrachloroethane	EPA 8260D	ND	S	µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB01 (5-6) **Lab ID: HN2511556-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	71.3	1	08/26/25 05:46	08/15/25 16:04
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	238	1	08/26/25 05:46	08/15/25 16:04
2-Hexanone	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Acetone	EPA 8260D	**154**		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
Benzene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Bromochloromethane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Bromodichloromethane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Bromoform	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Carbon disulfide	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Carbon tetrachloride	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Chlorobenzene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Chlorodibromomethane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
Chloroform	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	71.3	1	08/26/25 05:46	08/15/25 16:04
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Cyclohexane	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
Ethylbenzene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Isopropylbenzene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB01 (5-6) **Lab ID: HN2511556-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	71.3	1	08/26/25 05:46	08/15/25 16:04
Methyl acetate	EPA 8260D	ND		µg/kg	297	1	08/26/25 05:46	08/15/25 16:04
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	119	1	08/26/25 05:46	08/15/25 16:04
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Methylcyclohexane	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	297	1	08/26/25 05:46	08/15/25 16:04
o-Xylene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Styrene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND	S	µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Toluene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Total Xylene	EPA 8260D	ND		µg/kg	107	1	08/26/25 05:46	08/15/25 16:04
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Trichloroethene (Trichloroethylene)	EPA 8260D	ND	S	µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND	S	µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	35.6	1	08/26/25 05:46	08/15/25 16:04
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***92.4***		*%REC*	*80-120*	*1*	*08/26/25 05:46*	*08/15/25 16:04*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***99.8***		*%REC*	*80-120*	*1*	*08/26/25 05:46*	*08/15/25 16:04*
Surr: Dibromofluoromethane	*EPA 8260D*	***88.7***		*%REC*	*72-120*	*1*	*08/26/25 05:46*	*08/15/25 16:04*
Surr: Toluene-d8	*EPA 8260D*	***99.5***		*%REC*	*80-120*	*1*	*08/26/25 05:46*	*08/15/25 16:04*

Analytical Report

Client: The Mannik & Smith Group, Inc.
Project: 5662 Seminole
Matrix: SOIL/SOLID

Work Order: HN2511556
Date Collected: 08/13/25 14:30
Date Received: 08/15/25 08:00

CLIENT ID: 5662 SB02 (1-2) **Lab ID: HN2511556-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**12.6**		%	0.1	1	08/21/25 14:45	NA
Chloride	EPA 9056A	**60.9**		mg/kg	11.5	1	08/19/25 17:37	08/19/25 13:22
Metals								
Arsenic	EPA 6020B	**5.91**		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Barium	EPA 6020B	**242**		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Cadmium	EPA 6020B	ND		mg/kg	1.39	10	08/20/25 22:44	08/20/25 10:26
Chromium	EPA 6020B	**29.2**		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Copper	EPA 6020B	**18.5**		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Lead	EPA 6020B	**384**		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Selenium	EPA 6020B	ND		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Silver	EPA 6020B	ND		mg/kg	3.48	10	08/20/25 22:44	08/20/25 10:26
Zinc	EPA 6020B	**146**		mg/kg	6.96	10	08/20/25 22:44	08/20/25 10:26
Mercury	EPA 7471B	**0.0980**		mg/kg	0.0200	1	08/22/25 10:02	08/21/25 15:36
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8082A	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8151A	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8270E	**See attached.**		-		1	09/12/25 16:24	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB02 (1-2) **Lab ID: HN2511556-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	74.1	1	08/26/25 06:05	08/15/25 16:04
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	247	1	08/26/25 06:05	08/15/25 16:04
2-Hexanone	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Acetone	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
Benzene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Bromochloromethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Bromodichloromethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Bromoform	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Carbon disulfide	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Carbon tetrachloride	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Chlorobenzene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Chlorodibromomethane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
Chloroform	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	74.1	1	08/26/25 06:05	08/15/25 16:04
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Cyclohexane	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
Ethylbenzene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Isopropylbenzene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB02 (1-2) **Lab ID: HN2511556-002**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	74.1	1	08/26/25 06:05	08/15/25 16:04
Methyl acetate	EPA 8260D	ND		µg/kg	309	1	08/26/25 06:05	08/15/25 16:04
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	124	1	08/26/25 06:05	08/15/25 16:04
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Methylcyclohexane	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	309	1	08/26/25 06:05	08/15/25 16:04
o-Xylene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Styrene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Toluene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Total Xylene	EPA 8260D	ND		µg/kg	111	1	08/26/25 06:05	08/15/25 16:04
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	37.1	1	08/26/25 06:05	08/15/25 16:04
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***94.1***		*%REC*	*80-120*	*1*	*08/26/25 06:05*	*08/15/25 16:04*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***106***		*%REC*	*80-120*	*1*	*08/26/25 06:05*	*08/15/25 16:04*
Surr: Dibromofluoromethane	*EPA 8260D*	***89.9***		*%REC*	*72-120*	*1*	*08/26/25 06:05*	*08/15/25 16:04*
Surr: Toluene-d8	*EPA 8260D*	***102***		*%REC*	*80-120*	*1*	*08/26/25 06:05*	*08/15/25 16:04*

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB03 (3-4) **Lab ID: HN2511556-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
General Chemistry Parameters								
Percent Moisture	EPA 3550C	**13.1**		%	0.1	1	08/21/25 14:45	NA
Chloride	EPA 9056A	**32.4**		mg/kg	11.6	1	08/19/25 17:45	08/19/25 13:22
Metals								
Arsenic	EPA 6020B	**7.00**		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Barium	EPA 6020B	**60.6**		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Cadmium	EPA 6020B	ND		mg/kg	1.23	10	08/20/25 22:45	08/20/25 10:26
Chromium	EPA 6020B	**16.5**		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Copper	EPA 6020B	**16.3**		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Lead	EPA 6020B	**30.6**		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Selenium	EPA 6020B	ND		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Silver	EPA 6020B	ND		mg/kg	3.08	10	08/20/25 22:45	08/20/25 10:26
Zinc	EPA 6020B	**57.9**		mg/kg	6.16	10	08/20/25 22:45	08/20/25 10:26
Mercury	EPA 7471B	**0.0503**		mg/kg	0.0200	1	08/22/25 10:04	08/21/25 15:36
Subcontracted Parameters								
Subcontract Analysis	EPA 8081B	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8082A	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8151A	**See attached.**		-		1	09/12/25 16:24	NA
Subcontract Analysis	EPA 8270E	**See attached.**		-		1	09/12/25 16:24	NA
Volatile Organic Compounds by GC-MS								
1,1,1-Trichloroethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,1,2,2-Tetrachloroethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,1,2-Trichloroethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,1-Dichloroethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,1-Dichloroethylene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,2,3-Trichlorobenzene	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
1,2,3-Trichloropropane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,2,4-Trichlorobenzene	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
1,2,4-Trimethylbenzene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB03 (3-4) **Lab ID: HN2511556-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,2-Dichlorobenzene (o-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
1,2-Dichloropropane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,3,5-Trimethylbenzene	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
1,3-Dichlorobenzene (m-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
1,3-Dichloropropene	EPA 8260D	ND		µg/kg	71.0	1	08/26/25 06:24	08/15/25 16:04
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	ND		µg/kg	236	1	08/26/25 06:24	08/15/25 16:04
2-Hexanone	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
4-Methyl-2-pentanone (MIBK)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Acetone	EPA 8260D	**237**		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
Benzene	EPA 8260D	**72.1**		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Bromochloromethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Bromodichloromethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Bromoform	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Carbon disulfide	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Carbon tetrachloride	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Chlorobenzene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Chlorodibromomethane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Chloroethane (Ethyl chloride)	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
Chloroform	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
cis & trans-1,2-Dichloroethene	EPA 8260D	ND		µg/kg	71.0	1	08/26/25 06:24	08/15/25 16:04
cis-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
cis-1,3-Dichloropropene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Cyclohexane	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
Dichlorodifluoromethane (Freon-12)	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
Ethylbenzene	EPA 8260D	**44.3**		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Isopropylbenzene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2511556
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Matrix:	SOIL/SOLID	**Date Received:**	08/15/25 08:00

CLIENT ID: 5662 SB03 (3-4) **Lab ID: HN2511556-003**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
m+p-Xylene	EPA 8260D	ND		µg/kg	71.0	1	08/26/25 06:24	08/15/25 16:04
Methyl acetate	EPA 8260D	**2130**		µg/kg	296	1	08/26/25 06:24	08/15/25 16:04
Methyl bromide (Bromomethane)	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
Methyl chloride (Chloromethane)	EPA 8260D	ND		µg/kg	118	1	08/26/25 06:24	08/15/25 16:04
Methyl tert-butyl ether (MTBE)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Methylcyclohexane	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Methylene chloride (Dichloromethane)	EPA 8260D	ND		µg/kg	296	1	08/26/25 06:24	08/15/25 16:04
o-Xylene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Styrene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Toluene	EPA 8260D	**103**		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Total Xylene	EPA 8260D	ND		µg/kg	106	1	08/26/25 06:24	08/15/25 16:04
trans-1,2-Dichloroethylene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
trans-1,3-Dichloropropylene	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Trichloroethene (Trichloroethylene)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Vinyl chloride (Chloroethene)	EPA 8260D	ND		µg/kg	35.5	1	08/26/25 06:24	08/15/25 16:04
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***99.8***		*%REC*	*80-120*	*1*	*08/26/25 06:24*	*08/15/25 16:04*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***102***		*%REC*	*80-120*	*1*	*08/26/25 06:24*	*08/15/25 16:04*
Surr: Dibromofluoromethane	*EPA 8260D*	***92.6***		*%REC*	*72-120*	*1*	*08/26/25 06:24*	*08/15/25 16:04*
Surr: Toluene-d8	*EPA 8260D*	***97.9***		*%REC*	*80-120*	*1*	*08/26/25 06:24*	*08/15/25 16:04*

November 21, 2025 Service Request No:R2510176

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

Laboratory Results for: 5662 Seminole

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 **R2510176.**

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: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
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, 891277: The reporting limit is elevated for one or more analytes. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. The extract was highly colored and viscous, which indicated the need to perform a dilution prior to injection into the instrument. The result(s) are flagged to indicate the matrix interference.
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 8151A: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on one detector. All recoveries were acceptable on the secondary detector. Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. 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 11/21/2025

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: 5662 SB01 (1-2)			Lab ID: R2510176-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
4,4'-DDD	15		1.9	3.7	ug/Kg	8081B
4,4'-DDE	110		1.9	3.7	ug/Kg	8081B
4,4'-DDT	97		1.9	3.7	ug/Kg	8081B
alpha-Chlordane	22	P	1.9	3.7	ug/Kg	8081B
gamma-Chlordane	16		1.9	3.7	ug/Kg	8081B
Heptachlor Epoxide	5.9		1.9	3.7	ug/Kg	8081B
Pyrene	300	J	300	1800	ug/Kg	8270E
Total Solids	90.6				Percent	ALS SOP

CLIENT ID: 5662 SB02 (3-4)			Lab ID: R2510176-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
4,4'-DDD	11		2.9	5.8	ug/Kg	8081B
4,4'-DDE	60		2.9	5.8	ug/Kg	8081B
4,4'-DDT	21		2.9	5.8	ug/Kg	8081B
Acenaphthene	540	J	220	1100	ug/Kg	8270E
alpha-Chlordane	32	P	2.9	5.8	ug/Kg	8081B
Anthracene	1600		190	1100	ug/Kg	8270E
Benz(a)anthracene	2100		170	1100	ug/Kg	8270E
Benzo(a)pyrene	2000		300	1100	ug/Kg	8270E
Benzo(b)fluoranthene	2000		190	1100	ug/Kg	8270E
Benzo(g,h,i)perylene	930	J	260	1100	ug/Kg	8270E
Benzo(k)fluoranthene	850	J	180	1100	ug/Kg	8270E
Carbazole	530	J	190	1100	ug/Kg	8270E
Chrysene	1900		170	1100	ug/Kg	8270E
Dibenzofuran	520	J	210	1100	ug/Kg	8270E
Fluoranthene	5600		280	1100	ug/Kg	8270E
Fluorene	910	J	210	1100	ug/Kg	8270E
gamma-Chlordane	25		2.9	5.8	ug/Kg	8081B
Indeno(1,2,3-cd)pyrene	1100		360	1100	ug/Kg	8270E
Methoxychlor	8.6		2.9	5.8	ug/Kg	8081B
Naphthalene	260	J	210	1100	ug/Kg	8270E
Phenanthrene	5100		160	1100	ug/Kg	8270E
Pyrene	4100		190	1100	ug/Kg	8270E
Total Solids	87.4				Percent	ALS SOP

CLIENT ID: 5662 SB03 (5-6)			Lab ID: R2510176-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
4,4'-DDD	25		2.0	3.9	ug/Kg	8081B
4,4'-DDE	100		2.0	3.9	ug/Kg	8081B
4,4'-DDT	25		2.0	3.9	ug/Kg	8081B
alpha-Chlordane	70	P	2.0	3.9	ug/Kg	8081B

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: 5662 SB03 (5-6)			Lab ID: R2510176-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Endrin Ketone	2.3	J	2.0	3.9	ug/Kg	8081B
Fluoranthene	510	J	480	1900	ug/Kg	8270E
gamma-Chlordane	63		2.0	3.9	ug/Kg	8081B
Phenanthrene	300	J	270	1900	ug/Kg	8270E
Pyrene	450	J	320	1900	ug/Kg	8270E
Total Solids	86.9				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:**R2510176
Project: 5662 Seminole

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2510176-001	5662 SB01 (1-2)	8/13/2025	1425
R2510176-002	5662 SB02 (3-4)	8/13/2025	1430
R2510176-003	5662 SB03 (5-6)	8/13/2025	1435

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: HN2511556

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**	5662 Seminole	**A**	EPA 8081B-3546-S (INT SUB)
Work Order	HN2511556			**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
HN2511556-001	5662 SB01 (5-6)	Soil/Solid	08/13/2025 14:25	001-AD	x	x	x	x						
HN2511556-002	5662 SB02 (1-2)	Soil/Solid	08/13/2025 14:30	002-AD	x	x	x	x						
HN2511556-003	5662 SB03 (3-4)	Soil/Solid	08/13/2025 14:35	003-AD	x	x	x	x						

Relinquished by	Date Time	Received by	Date Time
		[illegible]	8/20/25 9:30
Relinquished by	**Date Time**	**Received by**	**Date Time**
Sampled by			

Cooler ID's

R2510176 5
ALS Environmental - Holland
6662 Seminole

R2510176 5
ALS Environmental - Holland
6682 Seminole

Cooler Receipt and Preservation Check Form

Project/Client _____ 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)	5a	Did **VOA** vials have sig* **bubbles?**		Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Sig* bubbles: **Alk?**	Y N (NA)	**Sulfide?** Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?		ALS/ROC (CLIENT)
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	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)	4.7	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 8120 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: 16:33 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	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 062325-1SR
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:** R2510176
Project: 5662 Seminole

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
Project: 5662 Seminole/

Service Request: R2510176

Sample Name: 5662 SB01 (1-2)
Lab Code: R2510176-001
Sample Matrix: Soil

Date Collected: 08/13/25
Date Received: 08/20/25

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

Sample Name: 5662 SB02 (3-4)
Lab Code: R2510176-002
Sample Matrix: Soil

Date Collected: 08/13/25
Date Received: 08/20/25

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

Sample Name: 5662 SB03 (5-6)
Lab Code: R2510176-003
Sample Matrix: Soil

Date Collected: 08/13/25
Date Received: 08/20/25

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:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510176-001	**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
1,2,4,5-Tetrachlorobenzene	400 U	1800	400	5	08/27/25 21:45	8/26/25	
1-Methylnaphthalene	330 U	1800	330	5	08/27/25 21:45	8/26/25	
2-Methylnaphthalene	640 U	1800	640	5	08/27/25 21:45	8/26/25	
Acenaphthene	340 U	1800	340	5	08/27/25 21:45	8/26/25	
Acenaphthylene	370 U	1800	370	5	08/27/25 21:45	8/26/25	
Anthracene	300 U	1800	300	5	08/27/25 21:45	8/26/25	
Benz(a)anthracene	270 U	1800	270	5	08/27/25 21:45	8/26/25	
Benzo(a)pyrene	480 U	1800	480	5	08/27/25 21:45	8/26/25	
Benzo(b)fluoranthene	300 U	1800	300	5	08/27/25 21:45	8/26/25	
Benzo(g,h,i)perylene	420 U	1800	420	5	08/27/25 21:45	8/26/25	
Benzo(k)fluoranthene	290 U	1800	290	5	08/27/25 21:45	8/26/25	
1,4-Dichlorobenzene	300 U	1800	300	5	08/27/25 21:45	8/26/25	
Biphenyl	530 U	1800	530	5	08/27/25 21:45	8/26/25	
Chrysene	270 U	1800	270	5	08/27/25 21:45	8/26/25	
Dibenz(a,h)anthracene	390 U	1800	390	5	08/27/25 21:45	8/26/25	
1,4-Dioxane	180 U	360	180	5	08/27/25 21:45	8/26/25	
Dibenzofuran	330 U	1800	330	5	08/27/25 21:45	8/26/25	
Fluoranthene	450 U	1800	450	5	08/27/25 21:45	8/26/25	
Fluorene	340 U	1800	340	5	08/27/25 21:45	8/26/25	
Indeno(1,2,3-cd)pyrene	580 U	1800	580	5	08/27/25 21:45	8/26/25	
Naphthalene	340 U	1800	340	5	08/27/25 21:45	8/26/25	
Phenanthrene	260 U	1800	260	5	08/27/25 21:45	8/26/25	
Pyrene	**300 J**	1800	300	5	08/27/25 21:45	8/26/25	
2,3,4,6-Tetrachlorophenol	630 U	1800	630	5	08/27/25 21:45	8/26/25	
2,4,5-Trichlorophenol	450 U	1800	450	5	08/27/25 21:45	8/26/25	
2,4,6-Trichlorophenol	400 U	1800	400	5	08/27/25 21:45	8/26/25	
2,4-Dichlorophenol	350 U	1800	350	5	08/27/25 21:45	8/26/25	
2,4-Dimethylphenol	330 U	1800	330	5	08/27/25 21:45	8/26/25	
2,4-Dinitrophenol	3100 U	9200	3100	5	08/27/25 21:45	8/26/25	
2,4-Dinitrotoluene	690 U	1800	690	5	08/27/25 21:45	8/26/25	
2,6-Dinitrotoluene	400 U	1800	400	5	08/27/25 21:45	8/26/25	
2-Chloronaphthalene	360 U	1800	360	5	08/27/25 21:45	8/26/25	
2-Chlorophenol	300 U	1800	300	5	08/27/25 21:45	8/26/25	
2-Methylphenol	380 U	1800	380	5	08/27/25 21:45	8/26/25	
2-Nitroaniline	430 U	9200	430	5	08/27/25 21:45	8/26/25	
2-Nitrophenol	420 U	1800	420	5	08/27/25 21:45	8/26/25	
3,3'-Dichlorobenzidine	660 U	1800	660	5	08/27/25 21:45	8/26/25	
3- and 4-Methylphenol Coelution	350 U	1800	350	5	08/27/25 21:45	8/26/25	
3-Nitroaniline	360 U	9200	360	5	08/27/25 21:45	8/26/25	
4,6-Dinitro-2-methylphenol	1100 U	9200	1100	5	08/27/25 21:45	8/26/25	
4-Bromophenyl Phenyl Ether	480 U	1800	480	5	08/27/25 21:45	8/26/25	
4-Chloro-3-methylphenol	370 U	1800	370	5	08/27/25 21:45	8/26/25	
4-Chloroaniline	660 U	1800	660	5	08/27/25 21:45	8/26/25	

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510176-001	**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	390 U	1800	390	5	08/27/25 21:45	8/26/25	
4-Nitroaniline	390 U	9200	390	5	08/27/25 21:45	8/26/25	
4-Nitrophenol	930 U	9200	930	5	08/27/25 21:45	8/26/25	
Acetophenone	520 U	1800	520	5	08/27/25 21:45	8/26/25	
Atrazine	540 U	1800	540	5	08/27/25 21:45	8/26/25	
Benzaldehyde	440 U	9200	440	5	08/27/25 21:45	8/26/25	
Benzoic Acid	2900 U	9200	2900	5	08/27/25 21:45	8/26/25	
Bis(1-chloroisopropyl) Ether	370 U	1800	370	5	08/27/25 21:45	8/26/25	
Bis(2-chloroethoxy)methane	440 U	1800	440	5	08/27/25 21:45	8/26/25	
Bis(2-chloroethyl) Ether	360 U	1800	360	5	08/27/25 21:45	8/26/25	
Bis(2-ethylhexyl) Phthalate	330 U	2700	330	5	08/27/25 21:45	8/26/25	
Butyl Benzyl Phthalate	530 U	1800	530	5	08/27/25 21:45	8/26/25	
Caprolactam	400 U	1800	400	5	08/27/25 21:45	8/26/25	
Carbazole	290 U	1800	290	5	08/27/25 21:45	8/26/25	
Di-n-butyl Phthalate	290 U	1800	290	5	08/27/25 21:45	8/26/25	
Di-n-octyl Phthalate	630 U	1800	630	5	08/27/25 21:45	8/26/25	
Diethyl Phthalate	320 U	1800	320	5	08/27/25 21:45	8/26/25	
Dimethyl Phthalate	340 U	1800	340	5	08/27/25 21:45	8/26/25	
Hexachlorobenzene	430 U	1800	430	5	08/27/25 21:45	8/26/25	
Hexachlorobutadiene	640 U	1800	640	5	08/27/25 21:45	8/26/25	
Hexachlorocyclopentadiene	570 U	1800	570	5	08/27/25 21:45	8/26/25	
Hexachloroethane	340 U	1800	340	5	08/27/25 21:45	8/26/25	
Isophorone	380 U	1800	380	5	08/27/25 21:45	8/26/25	
N-Nitrosodi-n-propylamine	550 U	1800	550	5	08/27/25 21:45	8/26/25	
N-Nitrosodiphenylamine	1200 U	1800	1200	5	08/27/25 21:45	8/26/25	
Nitrobenzene	320 U	1800	320	5	08/27/25 21:45	8/26/25	
Pentachlorophenol (PCP)	1800 U	9200	1800	5	08/27/25 21:45	8/26/25	
Phenol	360 U	1800	360	5	08/27/25 21:45	8/26/25	
Pyridine	250 U	9200	250	5	08/27/25 21:45	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	66	18 - 104	08/27/25 21:45	
Nitrobenzene-d5	69	12 - 98	08/27/25 21:45	
p-Terphenyl-d14	88	26 - 134	08/27/25 21:45	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510176-002	**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	250	U	1100	250	1	08/27/25 22:09	8/26/25	
1-Methylnaphthalene	210	U	1100	210	1	08/27/25 22:09	8/26/25	
2-Methylnaphthalene	400	U	1100	400	1	08/27/25 22:09	8/26/25	
Acenaphthene	**540**	**J**	1100	220	1	08/27/25 22:09	8/26/25	
Acenaphthylene	230	U	1100	230	1	08/27/25 22:09	8/26/25	
Anthracene	**1600**		1100	190	1	08/27/25 22:09	8/26/25	
Benz(a)anthracene	**2100**		1100	170	1	08/27/25 22:09	8/26/25	
Benzo(a)pyrene	**2000**		1100	300	1	08/27/25 22:09	8/26/25	
Benzo(b)fluoranthene	**2000**		1100	190	1	08/27/25 22:09	8/26/25	
Benzo(g,h,i)perylene	**930**	**J**	1100	260	1	08/27/25 22:09	8/26/25	
1,4-Dichlorobenzene	190	U	1100	190	1	08/27/25 22:09	8/26/25	
Benzo(k)fluoranthene	**850**	**J**	1100	180	1	08/27/25 22:09	8/26/25	
Biphenyl	330	U	1100	330	1	08/27/25 22:09	8/26/25	
Chrysene	**1900**		1100	170	1	08/27/25 22:09	8/26/25	
1,4-Dioxane	110	U	230	110	1	08/27/25 22:09	8/26/25	
Dibenz(a,h)anthracene	250	U	1100	250	1	08/27/25 22:09	8/26/25	
Dibenzofuran	**520**	**J**	1100	210	1	08/27/25 22:09	8/26/25	
Fluoranthene	**5600**		1100	280	1	08/27/25 22:09	8/26/25	
Fluorene	**910**	**J**	1100	210	1	08/27/25 22:09	8/26/25	
Indeno(1,2,3-cd)pyrene	**1100**		1100	360	1	08/27/25 22:09	8/26/25	
Naphthalene	**260**	**J**	1100	210	1	08/27/25 22:09	8/26/25	
Phenanthrene	**5100**		1100	160	1	08/27/25 22:09	8/26/25	
Pyrene	**4100**		1100	190	1	08/27/25 22:09	8/26/25	
2,3,4,6-Tetrachlorophenol	390	U	1100	390	1	08/27/25 22:09	8/26/25	
2,4,5-Trichlorophenol	280	U	1100	280	1	08/27/25 22:09	8/26/25	
2,4,6-Trichlorophenol	250	U	1100	250	1	08/27/25 22:09	8/26/25	
2,4-Dichlorophenol	220	U	1100	220	1	08/27/25 22:09	8/26/25	
2,4-Dimethylphenol	200	U	1100	200	1	08/27/25 22:09	8/26/25	
2,4-Dinitrophenol	1900	U	5800	1900	1	08/27/25 22:09	8/26/25	
2,4-Dinitrotoluene	430	U	1100	430	1	08/27/25 22:09	8/26/25	
2,6-Dinitrotoluene	250	U	1100	250	1	08/27/25 22:09	8/26/25	
2-Chloronaphthalene	230	U	1100	230	1	08/27/25 22:09	8/26/25	
2-Chlorophenol	190	U	1100	190	1	08/27/25 22:09	8/26/25	
2-Methylphenol	240	U	1100	240	1	08/27/25 22:09	8/26/25	
2-Nitroaniline	270	U	5800	270	1	08/27/25 22:09	8/26/25	
2-Nitrophenol	260	U	1100	260	1	08/27/25 22:09	8/26/25	
3,3'-Dichlorobenzidine	410	U	1100	410	1	08/27/25 22:09	8/26/25	
3- and 4-Methylphenol Coelution	220	U	1100	220	1	08/27/25 22:09	8/26/25	
3-Nitroaniline	230	U	5800	230	1	08/27/25 22:09	8/26/25	
4,6-Dinitro-2-methylphenol	630	U	5800	630	1	08/27/25 22:09	8/26/25	
4-Bromophenyl Phenyl Ether	300	U	1100	300	1	08/27/25 22:09	8/26/25	
4-Chloro-3-methylphenol	230	U	1100	230	1	08/27/25 22:09	8/26/25	
4-Chloroaniline	410	U	1100	410	1	08/27/25 22:09	8/26/25	

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510176-002	**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	240 U	1100	240	1	08/27/25 22:09	8/26/25	
4-Nitroaniline	250 U	5800	250	1	08/27/25 22:09	8/26/25	
4-Nitrophenol	580 U	5800	580	1	08/27/25 22:09	8/26/25	
Acetophenone	330 U	1100	330	1	08/27/25 22:09	8/26/25	
Atrazine	340 U	1100	340	1	08/27/25 22:09	8/26/25	
Benzaldehyde	270 U	5800	270	1	08/27/25 22:09	8/26/25	
Benzoic Acid	1800 U	5800	1800	1	08/27/25 22:09	8/26/25	
Bis(1-chloroisopropyl) Ether	230 U	1100	230	1	08/27/25 22:09	8/26/25	
Bis(2-chloroethoxy)methane	280 U	1100	280	1	08/27/25 22:09	8/26/25	
Bis(2-chloroethyl) Ether	220 U	1100	220	1	08/27/25 22:09	8/26/25	
Bis(2-ethylhexyl) Phthalate	210 U	1700	210	1	08/27/25 22:09	8/26/25	
Butyl Benzyl Phthalate	330 U	1100	330	1	08/27/25 22:09	8/26/25	
Caprolactam	250 U	1100	250	1	08/27/25 22:09	8/26/25	
Carbazole	**530 J**	1100	190	1	08/27/25 22:09	8/26/25	
Di-n-butyl Phthalate	190 U	1100	190	1	08/27/25 22:09	8/26/25	
Di-n-octyl Phthalate	390 U	1100	390	1	08/27/25 22:09	8/26/25	
Diethyl Phthalate	200 U	1100	200	1	08/27/25 22:09	8/26/25	
Dimethyl Phthalate	220 U	1100	220	1	08/27/25 22:09	8/26/25	
Hexachlorobenzene	270 U	1100	270	1	08/27/25 22:09	8/26/25	
Hexachlorobutadiene	400 U	1100	400	1	08/27/25 22:09	8/26/25	
Hexachlorocyclopentadiene	360 U	1100	360	1	08/27/25 22:09	8/26/25	
Hexachloroethane	210 U	1100	210	1	08/27/25 22:09	8/26/25	
Isophorone	240 U	1100	240	1	08/27/25 22:09	8/26/25	
N-Nitrosodi-n-propylamine	350 U	1100	350	1	08/27/25 22:09	8/26/25	
N-Nitrosodiphenylamine	700 U	1100	700	1	08/27/25 22:09	8/26/25	
Nitrobenzene	200 U	1100	200	1	08/27/25 22:09	8/26/25	
Pentachlorophenol (PCP)	1200 U	5800	1200	1	08/27/25 22:09	8/26/25	
Phenol	230 U	1100	230	1	08/27/25 22:09	8/26/25	
Pyridine	150 U	5800	150	1	08/27/25 22:09	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	48	18 - 104	08/27/25 22:09	
Nitrobenzene-d5	49	12 - 98	08/27/25 22:09	
p-Terphenyl-d14	60	26 - 134	08/27/25 22:09	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510176-003	**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
1,2,4,5-Tetrachlorobenzene	420 U	1900	420	5	08/27/25 22:33	8/26/25	
1-Methylnaphthalene	350 U	1900	350	5	08/27/25 22:33	8/26/25	
2-Methylnaphthalene	670 U	1900	670	5	08/27/25 22:33	8/26/25	
Acenaphthene	360 U	1900	360	5	08/27/25 22:33	8/26/25	
Acenaphthylene	390 U	1900	390	5	08/27/25 22:33	8/26/25	
Anthracene	320 U	1900	320	5	08/27/25 22:33	8/26/25	
Benz(a)anthracene	290 U	1900	290	5	08/27/25 22:33	8/26/25	
Benzo(a)pyrene	510 U	1900	510	5	08/27/25 22:33	8/26/25	
Benzo(b)fluoranthene	320 U	1900	320	5	08/27/25 22:33	8/26/25	
Benzo(g,h,i)perylene	440 U	1900	440	5	08/27/25 22:33	8/26/25	
1,4-Dichlorobenzene	320 U	1900	320	5	08/27/25 22:33	8/26/25	
Benzo(k)fluoranthene	310 U	1900	310	5	08/27/25 22:33	8/26/25	
Biphenyl	560 U	1900	560	5	08/27/25 22:33	8/26/25	
Chrysene	280 U	1900	280	5	08/27/25 22:33	8/26/25	
1,4-Dioxane	190 U	380	190	5	08/27/25 22:33	8/26/25	
Dibenz(a,h)anthracene	410 U	1900	410	5	08/27/25 22:33	8/26/25	
Dibenzofuran	350 U	1900	350	5	08/27/25 22:33	8/26/25	
Fluoranthene	**510 J**	1900	480	5	08/27/25 22:33	8/26/25	
Fluorene	360 U	1900	360	5	08/27/25 22:33	8/26/25	
Indeno(1,2,3-cd)pyrene	610 U	1900	610	5	08/27/25 22:33	8/26/25	
Naphthalene	360 U	1900	360	5	08/27/25 22:33	8/26/25	
Phenanthrene	**300 J**	1900	270	5	08/27/25 22:33	8/26/25	
Pyrene	**450 J**	1900	320	5	08/27/25 22:33	8/26/25	
2,3,4,6-Tetrachlorophenol	660 U	1900	660	5	08/27/25 22:33	8/26/25	
2,4,5-Trichlorophenol	470 U	1900	470	5	08/27/25 22:33	8/26/25	
2,4,6-Trichlorophenol	430 U	1900	430	5	08/27/25 22:33	8/26/25	
2,4-Dichlorophenol	370 U	1900	370	5	08/27/25 22:33	8/26/25	
2,4-Dimethylphenol	340 U	1900	340	5	08/27/25 22:33	8/26/25	
2,4-Dinitrophenol	3300 U	9700	3300	5	08/27/25 22:33	8/26/25	
2,4-Dinitrotoluene	730 U	1900	730	5	08/27/25 22:33	8/26/25	
2,6-Dinitrotoluene	420 U	1900	420	5	08/27/25 22:33	8/26/25	
2-Chloronaphthalene	380 U	1900	380	5	08/27/25 22:33	8/26/25	
2-Chlorophenol	320 U	1900	320	5	08/27/25 22:33	8/26/25	
2-Methylphenol	400 U	1900	400	5	08/27/25 22:33	8/26/25	
2-Nitroaniline	450 U	9700	450	5	08/27/25 22:33	8/26/25	
2-Nitrophenol	440 U	1900	440	5	08/27/25 22:33	8/26/25	
3,3'-Dichlorobenzidine	690 U	1900	690	5	08/27/25 22:33	8/26/25	
3- and 4-Methylphenol Coelution	370 U	1900	370	5	08/27/25 22:33	8/26/25	
3-Nitroaniline	380 U	9700	380	5	08/27/25 22:33	8/26/25	
4,6-Dinitro-2-methylphenol	1100 U	9700	1100	5	08/27/25 22:33	8/26/25	
4-Bromophenyl Phenyl Ether	500 U	1900	500	5	08/27/25 22:33	8/26/25	
4-Chloro-3-methylphenol	390 U	1900	390	5	08/27/25 22:33	8/26/25	
4-Chloroaniline	690 U	1900	690	5	08/27/25 22:33	8/26/25	

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510176-003	**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	410 U	1900	410	5	08/27/25 22:33	8/26/25	
4-Nitroaniline	410 U	9700	410	5	08/27/25 22:33	8/26/25	
4-Nitrophenol	980 U	9700	980	5	08/27/25 22:33	8/26/25	
Acetophenone	550 U	1900	550	5	08/27/25 22:33	8/26/25	
Atrazine	570 U	1900	570	5	08/27/25 22:33	8/26/25	
Benzaldehyde	460 U	9700	460	5	08/27/25 22:33	8/26/25	
Benzoic Acid	3000 U	9700	3000	5	08/27/25 22:33	8/26/25	
Bis(1-chloroisopropyl) Ether	390 U	1900	390	5	08/27/25 22:33	8/26/25	
Bis(2-chloroethoxy)methane	470 U	1900	470	5	08/27/25 22:33	8/26/25	
Bis(2-chloroethyl) Ether	380 U	1900	380	5	08/27/25 22:33	8/26/25	
Bis(2-ethylhexyl) Phthalate	350 U	2900	350	5	08/27/25 22:33	8/26/25	
Butyl Benzyl Phthalate	560 U	1900	560	5	08/27/25 22:33	8/26/25	
Caprolactam	420 U	1900	420	5	08/27/25 22:33	8/26/25	
Carbazole	310 U	1900	310	5	08/27/25 22:33	8/26/25	
Di-n-butyl Phthalate	310 U	1900	310	5	08/27/25 22:33	8/26/25	
Di-n-octyl Phthalate	660 U	1900	660	5	08/27/25 22:33	8/26/25	
Diethyl Phthalate	340 U	1900	340	5	08/27/25 22:33	8/26/25	
Dimethyl Phthalate	360 U	1900	360	5	08/27/25 22:33	8/26/25	
Hexachlorobenzene	460 U	1900	460	5	08/27/25 22:33	8/26/25	
Hexachlorobutadiene	670 U	1900	670	5	08/27/25 22:33	8/26/25	
Hexachlorocyclopentadiene	600 U	1900	600	5	08/27/25 22:33	8/26/25	
Hexachloroethane	360 U	1900	360	5	08/27/25 22:33	8/26/25	
Isophorone	400 U	1900	400	5	08/27/25 22:33	8/26/25	
N-Nitrosodi-n-propylamine	580 U	1900	580	5	08/27/25 22:33	8/26/25	
N-Nitrosodiphenylamine	1200 U	1900	1200	5	08/27/25 22:33	8/26/25	
Nitrobenzene	340 U	1900	340	5	08/27/25 22:33	8/26/25	
Pentachlorophenol (PCP)	1900 U	9700	1900	5	08/27/25 22:33	8/26/25	
Phenol	380 U	1900	380	5	08/27/25 22:33	8/26/25	
Pyridine	260 U	9700	260	5	08/27/25 22:33	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	27	18 - 104	08/27/25 22:33	
Nitrobenzene-d5	26	12 - 98	08/27/25 22:33	
p-Terphenyl-d14	34	26 - 134	08/27/25 22:33	

Semivolatile Organic Compounds by GC

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Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510176-001	**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	**15**		3.7	1.9	2	09/12/25 11:27	8/26/25	
4,4'-DDE	**110**		3.7	1.9	2	09/12/25 11:27	8/26/25	
4,4'-DDT	**97**		3.7	1.9	2	09/12/25 11:27	8/26/25	
Aldrin	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Chlordane	9.2	U	18	9.2	2	09/12/25 11:27	8/26/25	
Dieldrin	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Endosulfan I	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Endosulfan II	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Endosulfan Sulfate	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Endrin	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Endrin Aldehyde	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Endrin Ketone	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Heptachlor	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Heptachlor Epoxide	**5.9**		3.7	1.9	2	09/12/25 11:27	8/26/25	
Methoxychlor	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
Toxaphene	42	U	72	42	2	09/12/25 11:27	8/26/25	
alpha-BHC	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
alpha-Chlordane	**22**	**P**	3.7	1.9	2	09/12/25 11:27	8/26/25	
beta-BHC	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
delta-BHC	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
gamma-BHC (Lindane)	1.9	U	3.7	1.9	2	09/12/25 11:27	8/26/25	
gamma-Chlordane	**16**		3.7	1.9	2	09/12/25 11:27	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	69	10 - 159	09/12/25 11:27	
Tetrachloro-m-xylene	53	10 - 132	09/12/25 11:27	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510176-002	**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	**11**	5.8	2.9	1	09/12/25 11:44	8/26/25	
4,4'-DDE	**60**	5.8	2.9	1	09/12/25 11:44	8/26/25	
4,4'-DDT	**21**	5.8	2.9	1	09/12/25 11:44	8/26/25	
Aldrin	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Chlordane	15 U	28	15	1	09/12/25 11:44	8/26/25	
Dieldrin	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Endosulfan I	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Endosulfan II	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Endosulfan Sulfate	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Endrin	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Endrin Aldehyde	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Endrin Ketone	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Heptachlor	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Heptachlor Epoxide	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
Methoxychlor	**8.6**	5.8	2.9	1	09/12/25 11:44	8/26/25	
Toxaphene	65 U	110	65	1	09/12/25 11:44	8/26/25	
alpha-BHC	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
alpha-Chlordane	**32 P**	5.8	2.9	1	09/12/25 11:44	8/26/25	
beta-BHC	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
delta-BHC	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
gamma-BHC (Lindane)	2.9 U	5.8	2.9	1	09/12/25 11:44	8/26/25	
gamma-Chlordane	**25**	5.8	2.9	1	09/12/25 11:44	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	85	10 - 159	09/12/25 11:44	
Tetrachloro-m-xylene	70	10 - 132	09/12/25 11:44	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510176-003	**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	**25**		3.9	2.0	2	09/12/25 12:02	8/26/25	
4,4'-DDE	**100**		3.9	2.0	2	09/12/25 12:02	8/26/25	
4,4'-DDT	**25**		3.9	2.0	2	09/12/25 12:02	8/26/25	
Aldrin	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Chlordane	9.6	U	19	9.6	2	09/12/25 12:02	8/26/25	
Dieldrin	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Endosulfan I	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Endosulfan II	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Endosulfan Sulfate	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Endrin	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Endrin Aldehyde	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Endrin Ketone	**2.3**	**J**	3.9	2.0	2	09/12/25 12:02	8/26/25	
Heptachlor	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Heptachlor Epoxide	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Methoxychlor	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
Toxaphene	44	U	75	44	2	09/12/25 12:02	8/26/25	
alpha-BHC	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
alpha-Chlordane	**70**	**P**	3.9	2.0	2	09/12/25 12:02	8/26/25	
beta-BHC	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
delta-BHC	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
gamma-BHC (Lindane)	2.0	U	3.9	2.0	2	09/12/25 12:02	8/26/25	
gamma-Chlordane	**63**		3.9	2.0	2	09/12/25 12:02	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	72	10 - 159	09/12/25 12:02	
Tetrachloro-m-xylene	44	10 - 132	09/12/25 12:02	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510176-001	**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	19 U	36	19	1	09/04/25 00:18	8/26/25	
Aroclor 1221	29 U	73	29	1	09/04/25 00:18	8/26/25	
Aroclor 1232	21 U	36	21	1	09/04/25 00:18	8/26/25	
Aroclor 1242	19 U	36	19	1	09/04/25 00:18	8/26/25	
Aroclor 1248	20 U	36	20	1	09/04/25 00:18	8/26/25	
Aroclor 1254	19 U	36	19	1	09/04/25 00:18	8/26/25	
Aroclor 1260	19 U	36	19	1	09/04/25 00:18	8/26/25	
Aroclor 1262	19 U	36	19	1	09/04/25 00:18	8/26/25	
Aroclor 1268	19 U	36	19	1	09/04/25 00:18	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	73	10 - 138	09/04/25 00:18	
Tetrachloro-m-xylene	54	11 - 122	09/04/25 00:18	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510176-002	**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	58 U	110	58	1	09/04/25 00:31	8/26/25	
Aroclor 1221	89 U	230	89	1	09/04/25 00:31	8/26/25	
Aroclor 1232	65 U	110	65	1	09/04/25 00:31	8/26/25	
Aroclor 1242	58 U	110	58	1	09/04/25 00:31	8/26/25	
Aroclor 1248	62 U	110	62	1	09/04/25 00:31	8/26/25	
Aroclor 1254	58 U	110	58	1	09/04/25 00:31	8/26/25	
Aroclor 1260	58 U	110	58	1	09/04/25 00:31	8/26/25	
Aroclor 1262	58 U	110	58	1	09/04/25 00:31	8/26/25	
Aroclor 1268	58 U	110	58	1	09/04/25 00:31	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	79	10 - 138	09/04/25 00:31	
Tetrachloro-m-xylene	59	11 - 122	09/04/25 00:31	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510176-003	**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	20 U	37	20	1	09/04/25 00:45	8/26/25	
Aroclor 1221	30 U	76	30	1	09/04/25 00:45	8/26/25	
Aroclor 1232	22 U	37	22	1	09/04/25 00:45	8/26/25	
Aroclor 1242	20 U	37	20	1	09/04/25 00:45	8/26/25	
Aroclor 1248	21 U	37	21	1	09/04/25 00:45	8/26/25	
Aroclor 1254	20 U	37	20	1	09/04/25 00:45	8/26/25	
Aroclor 1260	20 U	37	20	1	09/04/25 00:45	8/26/25	
Aroclor 1262	20 U	37	20	1	09/04/25 00:45	8/26/25	
Aroclor 1268	20 U	37	20	1	09/04/25 00:45	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	69	10 - 138	09/04/25 00:45	
Tetrachloro-m-xylene	50	11 - 122	09/04/25 00:45	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB01 (1-2)	**Units:**	ug/Kg
Lab Code:	R2510176-001	**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	5.5 U	11	5.5	1	08/29/25 06:46	8/26/25	
2,4,5-TP	5.0 U	11	5.0	1	08/29/25 06:46	8/26/25	
2,4-D	7.1 U	11	7.1	1	08/29/25 06:46	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	54	10 - 151	08/29/25 06:46	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB02 (3-4)	**Units:**	ug/Kg
Lab Code:	R2510176-002	**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	5.8 U	11	5.8	1	08/29/25 07:05	8/26/25	
2,4,5-TP	5.2 U	11	5.2	1	08/29/25 07:05	8/26/25	
2,4-D	7.5 U	11	7.5	1	08/29/25 07:05	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	59	10 - 151	08/29/25 07:05	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB03 (5-6)	**Units:**	ug/Kg
Lab Code:	R2510176-003	**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	5.8 U	11	5.8	1	08/29/25 07:23	8/26/25	
2,4,5-TP	5.2 U	11	5.2	1	08/29/25 07:23	8/26/25	
2,4-D	7.5 U	11	7.5	1	08/29/25 07:23	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	64	10 - 151	08/29/25 07:23	

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:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:25
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB01 (1-2)	**Basis:**	As Received
Lab Code:	R2510176-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**90.6**	Percent	-	-	1	08/29/25 10:00	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:30
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB02 (3-4)	**Basis:**	As Received
Lab Code:	R2510176-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**87.4**	Percent	-	-	1	08/29/25 10:00	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	08/13/25 14:35
Sample Matrix:	Soil	**Date Received:**	08/20/25 09:30
Sample Name:	5662 SB03 (5-6)	**Basis:**	As Received
Lab Code:	R2510176-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**86.9**	Percent	-	-	1	08/29/25 10:00	

QC Summary Forms

ALS Environmental—Rochester Laboratory
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Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Client: ALS Environmental - US **Service Request:** R2510176
Project: 5662 Seminole
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
5662 SB01 (1-2)	R2510176-001	66	69	88
5662 SB02 (3-4)	R2510176-002	48	49	60
5662 SB03 (5-6)	R2510176-003	27	26	34
Method Blank	RQ2511335-01	51	52	68
Lab Control Sample	RQ2511335-02	52	48	63
Duplicate Lab Control Sample	RQ2511335-03	49	44	58

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**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	
Benzo(k)fluoranthene	54	U	330	54	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	
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	
1,4-Dioxane	32	U	67	32	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	
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	

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**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	

Client: ALS Environmental - US
Project: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
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: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
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: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
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

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:** R2510176
Project: 5662 Seminole
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
5662 SB01 (1-2)	R2510176-001	69	53
5662 SB02 (3-4)	R2510176-002	85	70
5662 SB03 (5-6)	R2510176-003	72	44
Method Blank	RQ2511334-01	87	53
Lab Control Sample	RQ2511334-02	83	46
Duplicate Lab Control Sample	RQ2511334-03	82	47

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**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	

Client: ALS Environmental - US
Project: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
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 **Service Request:** R2510176
Project: 5662 Seminole
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
5662 SB01 (1-2)	R2510176-001	73	54
5662 SB02 (3-4)	R2510176-002	79	59
5662 SB03 (5-6)	R2510176-003	69	50
Method Blank	RQ2511334-01	76	50
Lab Control Sample	RQ2511334-04	76	53
Duplicate Lab Control Sample	RQ2511334-05	71	55

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**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	

Client: ALS Environmental - US
Project: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
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 **Service Request:** R2510176
Project: 5662 Seminole
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA 10 - 151
5662 SB01 (1-2)	R2510176-001	54
5662 SB02 (3-4)	R2510176-002	59
5662 SB03 (5-6)	R2510176-003	64
Method Blank	RQ2511381-01	46
Lab Control Sample	RQ2511381-02	53
Duplicate Lab Control Sample	RQ2511381-03	55

Analytical Report

Client:	ALS Environmental - US	**Service Request:**	R2510176
Project:	5662 Seminole	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2511381-01	**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	08/29/25 02:30	8/26/25	
2,4,5-TP	4.5 U	9.9	4.5	1	08/29/25 02:30	8/26/25	
2,4-D	6.5 U	9.9	6.5	1	08/29/25 02:30	8/26/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	46	10 - 151	08/29/25 02:30	

Client: ALS Environmental - US
Project: 5662 Seminole
Sample Matrix: Soil

Service Request: R2510176
Date Analyzed: 08/29/25

Duplicate Lab Control Sample Summary
Chlorinated Herbicides by GC

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2511381-02		RQ2511381-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-T	8151A	15.5	24.6	63	19.0	24.9	76	19-127	20	30
2,4,5-TP	8151A	12.6	24.6	51	15.2	24.9	61	18-122	18	30
2,4-D	8151A	11.3	24.6	46	13.3	24.9	54	31-119	17	30

right solutions.
right partner.

October 31, 2025

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

Re: **DETR0060**

Date Received: **10/14/2025**
Work Order: **HN2515185**
Revision: **1**

Dear Ryan,

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

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

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

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

Dale Schipper
/S/ JODI BLOUW on behalf of PM listed above

Project Manager

Client: The Mannik & Smith Group, Inc. **Work Order:** HN2515185

Project: DETR0060 **Date Received:** 14-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 14-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: HN2515185

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2515185-001	5662 Seminole SB-3 (0'-6') Comp	SOIL/SOLID	10/13/25 14:15	10/14/25 07:00

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	5662 Seminole	A	TCLP Arsenic
Work Order	Quote ID - 11631	Project Number	DETR0060	B	TCLP Chromium
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group	C	TCLP VOCs
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

HN2515185

Telephone : +1 616 399 6070

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	Hold
1	5662 Seminole SB-3(0'-6') COMP	10-13-25	1415	Soil	—	2	X	X	X		
2											
3											
4											
5											
6											
7											
8											
9											
10											

Sampler(s): Please Print & Sign

Eddie Bosas Edward Bosas

Shipment Method:

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

Results Due Date:

Relinquished by: Edward Bosas	**Date:** 10-13-25	**Time:** 1452	**Received by:** Shannon Kaczmarek Colleen	**Notes:**
Relinquished by: Shannon Kaczmarek	**Date:** 10-13-25	**Time:** 1547	**Received by (Laboratory):** 10/14/25 QS to Brittany H 0700	**Cooler Temp.** 1.27 3.7c
Logged by (Laboratory): BH	**Date:** 10/14/25	**Time:** 0936	**Checked by (Laboratory):**	

QC Package: (Check Box Below)

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

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

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

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

https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Holland Sample Receiving Checklist

Received by:	Brittany H
Date/Time:	10/14/25 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):	3.7/3.7c
Thermometer(s):	IR7
Sample(s) received on ice?	(Yes) / No
Matrix/Matrices:	Soil
Cooler(s)/Kit(s):	1
Date/Time sample(s) sent to storage:	10/14/25 0936
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:**	HN2515185
Project:	DETR0060		

Sample Name:	5662 Seminole SB-3 (0'-6') Comp	**Date Collected:**	10/13/25
Laboratory Code:	HN2515185-001	**Date Received:**	10/14/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AE	2281436	Chloe Patrick	3599113	Denise Coffey
EPA 8260D	EPA 5030B	001-AF	2282510	Caroline Cox	3604784	Caroline Cox
EPA 8270E	EPA 3510C	001-AG	2300692	Rachel Plantinga	3634121	Alexa Montague

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	10/13/25 14:15
Matrix:	SOIL/SOLID	**Date Received:**	10/14/25 07:00

CLIENT ID: 5662 Seminole SB-3 (0'-6') Comp — **Lab ID: HN2515185-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Arsenic	EPA 6020B	<0.00190	U	mg/L	0.0499	1	10/17/25 20:55	10/17/25 10:28
Chromium	EPA 6020B	<0.00610	U	mg/L	0.0499	1	10/17/25 20:55	10/17/25 10:28
TCLP Semivolatile Organic Compounds by GC-MS								
1,4-Dichlorobenzene (p-Dichlorobenzene)	EPA 8270E	<4.44	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
2,4,5-Trichlorophenol	EPA 8270E	<6.70	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
2,4,6-Trichlorophenol	EPA 8270E	<9.20	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	<4.44	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
2-Methylphenol (o-Cresol)	EPA 8270E	<4.38	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
3&4-Methylphenol	EPA 8270E	<6.60	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
Hexachlorobenzene	EPA 8270E	<4.08	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
Hexachlorobutadiene	EPA 8270E	<4.52	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
Hexachloroethane	EPA 8270E	<6.15	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
Nitrobenzene	EPA 8270E	<4.24	U	µg/L	20.0	1	10/28/25 19:43	10/27/25 11:09
Pentachlorophenol	EPA 8270E	<36.8	U	µg/L	50.0	1	10/28/25 19:43	10/27/25 11:09
Pyridine	EPA 8270E	<12.9	U	µg/L	100	1	10/28/25 19:43	10/27/25 11:09
Surr: 2,4,6-Tribromophenol	*EPA 8270E*	***58.0***		*%REC*	*38-116*	*1*	*10/28/25 19:43*	*10/27/25 11:09*
Surr: 2-Fluorobiphenyl	*EPA 8270E*	***44.8***		*%REC*	*30-101*	*1*	*10/28/25 19:43*	*10/27/25 11:09*
Surr: 2-Fluorophenol	*EPA 8270E*	***44.2***		*%REC*	*22-78*	*1*	*10/28/25 19:43*	*10/27/25 11:09*
Surr: 4-Terphenyl-d14	*EPA 8270E*	***58.8***		*%REC*	*37-99*	*1*	*10/28/25 19:43*	*10/27/25 11:09*
Surr: Nitrobenzene-d5	*EPA 8270E*	***46.8***		*%REC*	*28-102*	*1*	*10/28/25 19:43*	*10/27/25 11:09*
Surr: Phenol-d6	*EPA 8270E*	***30.9***		*%REC*	*18-55*	*1*	*10/28/25 19:43*	*10/27/25 11:09*
TCLP Volatile Organic Compounds by GC-MS								
1,1-Dichloroethylene	EPA 8260D	<8.00	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	<8.80	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	<48.6	U	µg/L	100	1	10/18/25 17:19	10/17/25 13:42
Benzene	EPA 8260D	<9.20	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
Carbon tetrachloride	EPA 8260D	<8.00	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
Chlorobenzene	EPA 8260D	<8.00	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	10/13/25 14:15
Matrix:	SOIL/SOLID	**Date Received:**	10/14/25 07:00

CLIENT ID: 5662 Seminole SB-3 (0'-6') Comp — **Lab ID: HN2515185-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
Chloroform	EPA 8260D	<9.20	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
Tetrachloroethylene (Perchloroethylene)	EPA 8260D	<7.80	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
Trichloroethene (Trichloroethylene)	EPA 8260D	<8.60	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
Vinyl chloride (Chloroethene)	EPA 8260D	<10.6	U	µg/L	20.0	1	10/18/25 17:19	10/17/25 13:42
Surr: 1,2-Dichloroethane-d4	*EPA 8260D*	***98.6***		*%REC*	*80-120*	*1*	*10/18/25 17:19*	*10/17/25 13:42*
Surr: 4-Bromofluorobenzene	*EPA 8260D*	***96.8***		*%REC*	*80-120*	*1*	*10/18/25 17:19*	*10/17/25 13:42*
Surr: Dibromofluoromethane	*EPA 8260D*	***102***		*%REC*	*80-120*	*1*	*10/18/25 17:19*	*10/17/25 13:42*
Surr: Toluene-d8	*EPA 8260D*	***98.2***		*%REC*	*80-120*	*1*	*10/18/25 17:19*	*10/17/25 13:42*

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2281436	**Run ID:**	3599113

TCLP Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2281436-001**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/17/25 20:16 | **Prep Date:** 10/17/25 10:29

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	<0.00190	mg/L	0.0499							U
Chromium	<0.00610	mg/L	0.0499							U

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2281436-002**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/17/25 20:18 | **Prep Date:** 10/17/25 10:29

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	1.02	mg/L	0.0499	1		102	80-120			
Chromium	0.994	mg/L	0.0499	1		99.4	80-120			

MS | **CLIENT ID: Batch QC** | **Lab ID: QC-2281436-018**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/17/25 20:48 | **Prep Date:** 10/17/25 10:29

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	1.06	mg/L	0.0499	1	0.00279	106	80-120			
Chromium	1.01	mg/L	0.0499	1	<0.00610	100	80-120			

MSD | **CLIENT ID: Batch QC** | **Lab ID: QC-2281436-019**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 10/17/25 20:50 | **Prep Date:** 10/17/25 10:29

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Arsenic	1.04	mg/L	0.0499	1	0.00279	103	80-120	2.23	20	
Chromium	0.992	mg/L	0.0499	1	<0.00610	98.6	80-120	1.92	20	

The following samples were analyzed in this batch: HN2515185-001

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2300692	**Run ID:**	3634121

TCLP Semivolatile Organic Compounds by GC-MS

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2300692-001**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 10/28/25 17:58 | **Prep Date:** 10/27/25 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	<0.889	µg/L	4.00							U
2,4,5-Trichlorophenol	<1.34	µg/L	4.00							U
2,4,6-Trichlorophenol	<1.84	µg/L	4.00							U
2,4-Dinitrotoluene (2,4-DNT)	<0.889	µg/L	4.00							U
2-Methylphenol (o-Cresol)	<0.877	µg/L	4.00							U
3&4-Methylphenol	<1.32	µg/L	4.00							U
Hexachlorobenzene	<0.816	µg/L	4.00							U
Hexachlorobutadiene	<0.903	µg/L	4.00							U
Hexachloroethane	<1.23	µg/L	4.00							U
Nitrobenzene	<0.847	µg/L	4.00							U
Pentachlorophenol	<7.37	µg/L	10.0							U
Pyridine	<2.58	µg/L	20.0							U
Surr: 2,4,6-Tribromophenol	***114***	*µg/L*		200		57.0	*38-116*			
Surr: 2-Fluorobiphenyl	***94.3***	*µg/L*		200		47.2	*30-101*			
Surr: 2-Fluorophenol	***83.2***	*µg/L*		200		41.6	*22-78*			
Surr: 4-Terphenyl-d14	***126***	*µg/L*		200		62.9	*37-99*			
Surr: Nitrobenzene-d5	***90.4***	*µg/L*		200		45.2	*28-102*			
Surr: Phenol-d6	***56.9***	*µg/L*		200		28.4	*18-55*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2300692-002**

Method: EPA 8270E | **Dilution:** 1 | **Analysis Date:** 10/28/25 18:19 | **Prep Date:** 10/27/25 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	25.4	µg/L	4.00	80		31.8	21-108			
2,4,5-Trichlorophenol	37.9	µg/L	4.00	80		47.4	38-112			
2,4,6-Trichlorophenol	49.6	µg/L	4.00	80		62.0	32-118			
2,4-Dinitrotoluene (2,4-DNT)	43.8	µg/L	4.00	80		54.7	35-132			
2-Methylphenol (o-Cresol)	40.4	µg/L	4.00	80		50.6	31-101			
3&4-Methylphenol	37.0	µg/L	4.00	80		46.2	30-96			
Hexachlorobenzene	42.5	µg/L	4.00	80		53.2	36-119			
Hexachlorobutadiene	25.2	µg/L	4.00	80		31.6	17-116			
Hexachloroethane	22.8	µg/L	4.00	80		28.4	18-108			
Nitrobenzene	37.3	µg/L	4.00	80		46.6	35-112			
Pentachlorophenol	41.0	µg/L	10.0	80		51.3	23-116			
Pyridine	33.0	µg/L	20.0	80		41.2	18-78			
Surr: 2,4,6-Tribromophenol	***113***	*µg/L*		200		56.4	*38-116*			
Surr: 2-Fluorobiphenyl	***94.6***	*µg/L*		200		47.3	*30-101*			
Surr: 2-Fluorophenol	***80.2***	*µg/L*		200		40.1	*22-78*			
Surr: 4-Terphenyl-d14	***115***	*µg/L*		200		57.3	*37-99*			
Surr: Nitrobenzene-d5	***85.5***	*µg/L*		200		42.7	*28-102*			
Surr: Phenol-d6	***54.8***	*µg/L*		200		27.4	*18-55*			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2300692	**Run ID:**	3634121

MS **CLIENT ID: Batch QC** **Lab ID: QC-2300692-005**

Method: EPA 8270E **Dilution:** 1 **Analysis Date:** 10/28/25 18:40

Prep Date: 10/27/25 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	180	µg/L	20.0	400	<4.44	45.0	21-108			
2,4,5-Trichlorophenol	265	µg/L	20.0	400	<6.70	66.3	38-112			
2,4,6-Trichlorophenol	319	µg/L	20.0	400	<9.20	79.8	32-118			
2,4-Dinitrotoluene (2,4-DNT)	292	µg/L	20.0	400	<4.44	73.0	35-132			
2-Methylphenol (o-Cresol)	270	µg/L	20.0	400	<4.38	67.4	31-101			
3&4-Methylphenol	253	µg/L	20.0	400	<6.60	63.2	30-96			
Hexachlorobenzene	279	µg/L	20.0	400	<4.08	69.7	36-119			
Hexachlorobutadiene	184	µg/L	20.0	400	<4.52	45.9	17-116			
Hexachloroethane	154	µg/L	20.0	400	<6.15	38.6	18-108			
Nitrobenzene	261	µg/L	20.0	400	<4.24	65.3	35-112			
Pentachlorophenol	310	µg/L	50.0	400	<36.8	77.5	23-116			
Pyridine	178	µg/L	100	400	<12.9	44.6	18-78			
Surr: 2,4,6-Tribromophenol	***735***	*µg/L*		1000		73.5	*38-116*			
Surr: 2-Fluorobiphenyl	***563***	*µg/L*		1000		56.3	*30-101*			
Surr: 2-Fluorophenol	***517***	*µg/L*		1000		51.7	*22-78*			
Surr: 4-Terphenyl-d14	***642***	*µg/L*		1000		64.2	*37-99*			
Surr: Nitrobenzene-d5	***570***	*µg/L*		1000		57.0	*28-102*			
Surr: Phenol-d6	***365***	*µg/L*		1000		36.5	*18-55*			

MSD **CLIENT ID: Batch QC** **Lab ID: QC-2300692-006**

Method: EPA 8270E **Dilution:** 1 **Analysis Date:** 10/28/25 19:01

Prep Date: 10/27/25 11:10

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,4-Dichlorobenzene (p-Dichlorobenzene)	127	µg/L	20.0	400	<4.44	31.8	21-108	34.5	30	R
2,4,5-Trichlorophenol	260	µg/L	20.0	400	<6.70	64.9	38-112	2.13	30	
2,4,6-Trichlorophenol	260	µg/L	20.0	400	<9.20	65.0	32-118	20.5	30	
2,4-Dinitrotoluene (2,4-DNT)	266	µg/L	20.0	400	<4.44	66.6	35-132	9.18	30	
2-Methylphenol (o-Cresol)	230	µg/L	20.0	400	<4.38	57.4	31-101	15.9	30	
3&4-Methylphenol	219	µg/L	20.0	400	<6.60	54.8	30-96	14.2	30	
Hexachlorobenzene	240	µg/L	20.0	400	<4.08	60.1	36-119	14.8	30	
Hexachlorobutadiene	129	µg/L	20.0	400	<4.52	32.3	17-116	34.8	30	R
Hexachloroethane	109	µg/L	20.0	400	<6.15	27.3	18-108	34.2	30	R
Nitrobenzene	225	µg/L	20.0	400	<4.24	56.2	35-112	15.1	30	
Pentachlorophenol	276	µg/L	50.0	400	<36.8	69.0	23-116	11.6	30	
Pyridine	109	µg/L	100	400	<12.9	27.2	18-78	48.3	30	R
Surr: 2,4,6-Tribromophenol	***655***	*µg/L*		1000		65.5	*38-116*	11.5	30	
Surr: 2-Fluorobiphenyl	***532***	*µg/L*		1000		53.2	*30-101*	5.70	30	
Surr: 2-Fluorophenol	***457***	*µg/L*		1000		45.7	*22-78*	12.3	30	
Surr: 4-Terphenyl-d14	***583***	*µg/L*		1000		58.3	*37-99*	9.66	30	
Surr: Nitrobenzene-d5	***521***	*µg/L*		1000		52.1	*28-102*	9.09	30	
Surr: Phenol-d6	***320***	*µg/L*		1000		32.0	*18-55*	13.0	30	

The following samples were analyzed in this batch: HN2515185-001

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2282510	**Run ID:**	3604784

TCLP Volatile Organic Compounds by GC-MS

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2282510-001**

Method: EPA 8260D | **Dilution:** 1 | **Analysis Date:** 10/18/25 12:34 | **Prep Date:** 10/17/25 13:43

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1-Dichloroethylene	<8.00	µg/L	20.0							U
1,2-Dichloroethane (Ethylene dichloride)	<8.80	µg/L	20.0							U
2-Butanone (Methyl ethyl ketone, MEK)	<48.6	µg/L	100							U
Benzene	<9.20	µg/L	20.0							U
Carbon tetrachloride	<8.00	µg/L	20.0							U
Chlorobenzene	<8.00	µg/L	20.0							U
Chloroform	<9.20	µg/L	20.0							U
Tetrachloroethylene (Perchloroethylene)	<7.80	µg/L	20.0							U
Trichloroethene (Trichloroethylene)	<8.60	µg/L	20.0							U
Vinyl chloride (Chloroethene)	<10.6	µg/L	20.0							U
Surr: 1,2-Dichloroethane-d4	***420***	*µg/L*		400		104	*80-120*			
Surr: 4-Bromofluorobenzene	***410***	*µg/L*		400		102	*80-120*			
Surr: Dibromofluoromethane	***420***	*µg/L*		400		105	*80-120*			
Surr: Toluene-d8	***390***	*µg/L*		400		97.2	*80-120*			

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2282510-002**

Method: EPA 8260D | **Dilution:** 1 | **Analysis Date:** 10/18/25 11:13 | **Prep Date:** 10/17/25 13:43

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1-Dichloroethylene	410	µg/L	20.0	400		102	66-131			
1,2-Dichloroethane (Ethylene dichloride)	398	µg/L	20.0	400		99.4	78-121			
2-Butanone (Methyl ethyl ketone, MEK)	388	µg/L	100	400		97.0	69-147			
Benzene	441	µg/L	20.0	400		110	78-120			
Carbon tetrachloride	435	µg/L	20.0	400		109	69-124			
Chlorobenzene	427	µg/L	20.0	400		107	80-118			
Chloroform	411	µg/L	20.0	400		103	75-119			
Tetrachloroethylene (Perchloroethylene)	493	µg/L	20.0	400		123	80-124			
Trichloroethene (Trichloroethylene)	447	µg/L	20.0	400		112	75-122			
Vinyl chloride (Chloroethene)	352	µg/L	20.0	400		88.0	49-122			
Surr: 1,2-Dichloroethane-d4	***390***	*µg/L*		400		98.0	*80-120*			
Surr: 4-Bromofluorobenzene	***390***	*µg/L*		400		98.2	*80-120*			
Surr: Dibromofluoromethane	***400***	*µg/L*		400		100.0	*80-120*			
Surr: Toluene-d8	***390***	*µg/L*		400		97.1	*80-120*			

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2515185
Project:	DETR0060	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2282510	**Run ID:**	3604784

MS **CLIENT ID: Batch QC** **Lab ID: QC-2282510-005**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 10/18/25 21:23

Prep Date: 10/17/25 13:43

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1-Dichloroethylene	407	µg/L	20.0	400	<8.00	102	66-131			
1,2-Dichloroethane (Ethylene dichloride)	412	µg/L	20.0	400	<8.80	103	78-121			
2-Butanone (Methyl ethyl ketone, MEK)	374	µg/L	100	400	<48.6	93.4	69-147			
Benzene	431	µg/L	20.0	400	<9.20	108	78-120			
Carbon tetrachloride	458	µg/L	20.0	400	<8.00	114	69-124			
Chlorobenzene	429	µg/L	20.0	400	<8.00	107	80-118			
Chloroform	398	µg/L	20.0	400	<9.20	99.4	75-119			
Tetrachloroethylene (Perchloroethylene)	530	µg/L	20.0	400	<7.80	132	80-124			S
Trichloroethene (Trichloroethylene)	448	µg/L	20.0	400	<8.60	112	75-122			
Vinyl chloride (Chloroethene)	343	µg/L	20.0	400	<10.6	85.8	49-122			
Surr: 1,2-Dichloroethane-d4	***390***	*µg/L*		400		97.2	*80-120*			
Surr: 4-Bromofluorobenzene	***410***	*µg/L*		400		103	*80-120*			
Surr: Dibromofluoromethane	***400***	*µg/L*		400		99.4	*80-120*			
Surr: Toluene-d8	***390***	*µg/L*		400		97.6	*80-120*			

MSD **CLIENT ID: Batch QC** **Lab ID: QC-2282510-006**

Method: EPA 8260D **Dilution:** 1 **Analysis Date:** 10/18/25 21:43

Prep Date: 10/17/25 13:43

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
1,1-Dichloroethylene	387	µg/L	20.0	400	<8.00	96.6	66-131	5.24	30	
1,2-Dichloroethane (Ethylene dichloride)	401	µg/L	20.0	400	<8.80	100	78-121	2.61	30	
2-Butanone (Methyl ethyl ketone, MEK)	373	µg/L	100	400	<48.6	93.2	69-147	0.214	30	
Benzene	423	µg/L	20.0	400	<9.20	106	78-120	1.83	30	
Carbon tetrachloride	452	µg/L	20.0	400	<8.00	113	69-124	1.32	30	
Chlorobenzene	408	µg/L	20.0	400	<8.00	102	80-118	4.88	30	
Chloroform	390	µg/L	20.0	400	<9.20	97.5	75-119	1.93	30	
Tetrachloroethylene (Perchloroethylene)	501	µg/L	20.0	400	<7.80	125	80-124	5.66	30	S
Trichloroethene (Trichloroethylene)	436	µg/L	20.0	400	<8.60	109	75-122	2.80	30	
Vinyl chloride (Chloroethene)	332	µg/L	20.0	400	<10.6	82.9	49-122	3.38	30	
Surr: 1,2-Dichloroethane-d4	***380***	*µg/L*		400		94.4	*80-120*	2.92	30	
Surr: 4-Bromofluorobenzene	***400***	*µg/L*		400		99.2	*80-120*	3.32	30	
Surr: Dibromofluoromethane	***390***	*µg/L*		400		98.2	*80-120*	1.16	30	
Surr: Toluene-d8	***380***	*µg/L*		400		96.4	*80-120*	1.24	30	

The following samples were analyzed in this batch: HN2515185-001

right solutions.
right partner.

November 19, 2025

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

Date Received: **11/13/2025**
Work Order: **HN2517154**

Re: **5662 Seminole**

Dear Ryan,

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

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

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

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

Kathy Jones-Gronda
/S/ KATHY JONES-GRONDA

Project Manager

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2517154
Project:	5662 Seminole	**Date Received:**	13-Nov-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 13-Nov-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: 5662 Seminole
Workorder: HN2517154

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2517154-001	5662 Seminole SB02 (1-2')-R	SOIL/SOLID	11/12/25 14:48	11/13/25 06:00

ALS Environmental

Laboratory location:

Chain of Custody Form

Page ____ of ____

Environmental Division Holland

Work Order Reference

HN2517154

Telephone : +1 616 399 6070

ALS Project Manager:		Work Order #:	
Customer Information		**Project Information**	
Purchase Order		Project Name	5662 Seminole
Work Order	Quote ID - 11631	Project Number	DETR0060
Company Name	Mannik Smith Group	Bill To Company	Mannik Smith Group
Send Report To	Ryan Montri	Invoice Attn	
Address	2365 South Haggerty Road	Address	2365 South Haggerty Road
City/State/Zip	Canton, Mi 48188	City/State/Zip	Canton, Mi 48188
Phone	734-397-3100	Phone	734-397-3100
Fax		Fax	
e-Mail Address	rmontri@manniksmithgroup.com	e-Mail Address	

	Parameter/Method Request
A	TCLP Lead
B	
C	
D	
E	
F	
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	5662 Seminole SB02 (1-2')-R	11/12/25		Soil	7	1	x										
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Brock Johnson / WILEY OAKENFOLT

Shipment Method:

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

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
Brock Johnson	15:40	11/12/25		Rec'd 11/13/25 0600 D20 L
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler Temp.
	1100	11/12/25	QS	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	
DFS	11/13/25	0830		IR6 3.9°C

QC Package: (Check Box Below)

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

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

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

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

https://www.alsglobal.com/ALSGroupUSACorpTC

ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by: Diane F. Shaw

Date/Time: 11/13/25 0600

Carrier Name: QS

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

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

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

Chain of Custody present? (Yes) / No

COC signed when relinquished and received? (Yes) / No

COC agrees with sample labels? (Yes) / No

Samples in proper container/bottle? (Yes) / No

Sample containers intact? (Yes) / No

Sufficient sample volume for indicated test? (Yes) / No

All samples received within holding time? (Yes) / No

Container/Temp Blank temperature in compliance? (Yes) / No

Temperature(s) (°C): 3.9/3.9°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: 11/13/25 0845

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

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

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

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

pH adjusted by: _____

Login Notes:

HN-SHT-160-R01, Sample Receipt Checklist

ALS Environmental

Laboratory location:

Chain of Custody Form

Page ____ of ____

Environmental Division Holland

Work Order Reference

HN2517154

Telephone : +1 616 399 6070

Customer Information		Project Information		Parameter/Method Request	
Purchase Order		Project Name	5662 Seminole	A	TCLP Lead
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	

ALS Project Manager:

Work Order #:

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	5662 Seminole SB02 (1-2')-R	11/12/25	1448	Soil	7	1	x										
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Brock Johnson

WILL DAVENPORT WAS ON SITE

Shipment Method:

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

Results Due Date:

Relinquished by: Brock Johnson	Date: 15:40	Time: 11/12/25	Received by:	Notes: Rec'd 11/13/25 0600 D20L	
Relinquished by:	Date: MDO	Time: 11/12/25	Received by (Laboratory):	Cooler Temp.	QC Package: (Check Box Below)
Logged by (Laboratory): DFS	Date: 11/13/25	Time: 0830	Checked by (Laboratory):	IR6 3.9°C	☐ Level II: Standard QC ☐ TRRP-Checklist ☐ Level III: Std QC + Raw Data ☐ TRRP Level IV ☐ Level IV: SW846 CLP-Like ☐ Other:

Preservative Keys: 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

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:**	HN2517154
Project:	5662 Seminole		

Sample Name:	5662 Seminole SB02 (1-2')-R	**Date Collected:**	11/12/25
Laboratory Code:	HN2517154-001	**Date Received:**	11/13/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6020B	EPA 3015A	001-AC	2339807	Chloe Patrick	3693720	Stephanie Pierson

Analytical Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2517154
Project:	5662 Seminole	**Date Collected:**	11/12/25 14:48
Matrix:	SOIL/SOLID	**Date Received:**	11/13/25 06:00

CLIENT ID: 5662 Seminole SB02 (1-2')-R **Lab ID: HN2517154-001**

Analyte	Method	Results	Qual	Units	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals								
Lead	EPA 6020B	<0.00220	U	mg/L	0.0499	1	11/18/25 05:42	11/17/25 11:49

QA/QC Report

Client:	The Mannik & Smith Group, Inc.	**Work Order:**	HN2517154
Project:	5662 Seminole	**Date Collected:**	NA
Matrix:	SOIL/SOLID	**Date Received:**	NA
QC Lot:	2339807	**Run ID:**	3693720

TCLP Metals

MB | **CLIENT ID: Method Blank** | **Lab ID: QC-2339807-001**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 11/18/25 05:17 | **Prep Date:** 11/17/25 11:50

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

LCS | **CLIENT ID: Laboratory Control Sample** | **Lab ID: QC-2339807-002**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 11/18/25 05:20 | **Prep Date:** 11/17/25 11:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.06	mg/L	0.0499	1		106	80-120			

MS | **CLIENT ID: Batch QC** | **Lab ID: QC-2339807-004**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 11/18/25 05:29 | **Prep Date:** 11/17/25 11:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.10	mg/L	0.0499	1	0.0289	107	75-125			

MSD | **CLIENT ID: Batch QC** | **Lab ID: QC-2339807-005**

Method: EPA 6020B | **Dilution:** 1 | **Analysis Date:** 11/18/25 05:32 | **Prep Date:** 11/17/25 11:50

Analyte	Result	Units	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.07	mg/L	0.0499	1	0.0289	104	75-125	2.32	20	

The following samples were analyzed in this batch: HN2517154-001