June 20, 2022

Professional Service Industries, Inc.
1938 Franklin Street, Suite 101
Detroit, MI 48207
Phone: (248) 957-9911

Attn: Mr. Al Dyer, Environmental Due Diligence Manager
City of Detroit, Demolition Department
1301 Third Street, Suite 606
Detroit, Michigan 48221

Re: Solicitation QQ 4.25.2022
Fill Material Sampling & Analytical Report – City of Detroit 8 Residential Property List
Project Number: 0166-1734

Dear Mr. Dyer:

Professional Services Industries, Inc. (PSI), an Intertek company, has prepared this report documenting the Sampling and Analysis of Fill Material requested by the City of Detroit Demolition Department (DDD) in accordance with PSI Proposal No. 0166-372166 dated April 28, 2022 and the Scope of Services included with the notice to proceed (NTP) number 3056188. We understand that the Scope of Services is intended to support the City of Detroit's blight remediation efforts through the sampling and analysis of fill material on multiple demolition sites. The sampling and analysis of fill material activities were completed for eight vacant residential properties located at the following addresses:

- 1723 Taylor Street
- 3756 French Road
- 3922 Lemay Street
- 3951 Lemay Street
- 3966 St. Clair Street
- 4674 Fairview Street
- 8059 Forestlawn Street
- 19958 Greenview Avenue

PSI has prepared this report that includes the following information for each of the eight subject property addresses which is included in the Attachments:

- Figure 1 - A scaled site figure showing the general area of the structure formerly on the site and the location, depth and analytical results of the soil samples.
- Table 1 - A tabulation of the analytical results and a comparison of the results to the current Michigan Department of Environment. Great Lakes and Energy (EGLE), Part 201 Generic Residential Cleanup Criteria (GRCC) and Residential Volatilization to Indoor Air Pathway – Screening Levels (VIAP-SLs).
- Photographic Log – photographs depicting site conditions before, during and after field activities.
- Boring Logs – which include soil descriptions, including soil type, moisture, color, olfactory and visual observations.
- Laboratory Analytical Reports and Chain of Custody Records

Scope of Work

The scope of work was performed in general accordance with the Scope of Service described in the Solicitation QQ 4.25.2022. Any deviations to the scope of services are discussed below. The following tasks were completed at each of the locations described above:

- Site Preparation – including completion of a Health and Safety Plan and contacting Miss Dig, the utility service alert.
- Photographic Log – photographs were collected at each property to document site conditions before, during and after the field activities.
- Fill Material Sampling – three hand auger borings were completed within the area where the fill material was used at each location. The borings were advanced to a depth of approximately four feet below ground surface (bgs) unless refusal prevented advancement to the four feet bgs target depth. One soil sample from each soil boring, collected from the 2 to 3 feet bgs interval (unless otherwise noted), was retained for chemical analysis. Samples retained for analysis were placed in a cooler with ice.
- PSI noted relevant observations made during soil boring advancement and recorded the observations on boring logs.
- Soil sampling equipment was decontaminated prior to sampling and between each soil sampling location using an Alconox® wash and distilled water rinse.
- Three soil samples per each address were submitted for chemical analysis of the following:
    - Volatile Organic Compounds (VOCs), EPA Method 5035/8260B/624;
    - Semi-Volatile Organic Compounds (SVOCs), EPA Method 8270C/625;
    - Polychlorinated Biphenyls (PCBs), EPA Method 8082;
    - Michigan 10 Metals, EPA Method 6020/7471;
    - Chloride, EPA Method 9056; and
    - Herbicides and Pesticides – EPA Method 8081/8082

    The samples were hand delivered under chain of custody to Fibertec Environmental Services of Holt, Michigan for analysis.
- Preparation of a Fill Material Sampling and Analytical Report

A site-specific discussion for each of the subject property addresses is provided below.

1723 TAYLOR STREET

Field Activities

On May 26, 2022, between the hours of 10:15 and 11:00 am, PSI field scientists Adam Smak and Michael Angellotti mobilized to 1723 Taylor Street to conduct fill material sampling activities. PSI attempted to advance three soil borings identified as 1723-SB-01 through 1723-SB-03 to the target depth of 4 feet bgs; however, encountered refusal at approximately 2 feet below ground surface (bgs) in soil boring 1723-SB-01 due to the presence of glass, large rocks, bricks and construction debris. Multiple attempts to clear the refusal were made; however, the hand auger boring could not extend beyond two feet bgs. Therefore, a soil sample was collected at this location from the 1 to 2 feet bgs sample interval. The target depth of 4 feet bgs was achieved at 1723-SB-02 and 1723-SB-03 and samples were collected from the 2 to 3 feet bgs sample interval.

Material encountered during advancement of the three soil borings included topsoil which was generally underlain by brown or brown/gray mottled clay to the depth of the soil borings. Significant debris and rocks were encountered in soil boring 1723-SB-01 and small amounts of debris were encountered within the topsoil in soil borings 1723-SB-02 and 1723-SB-03.

Findings

The laboratory results of the soil samples collected from 1723-SB-01 through 1723-SB-03 indicate that VOCs, chloride, herbicides, and PCBs were not detected above laboratory method detection limits (MDLs).

Various SVOCs were detected above laboratory MDLs in the three soil samples, however, the detections did not exceed GRCCs or Residential VIAP-SLs.

The metals arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, and/or zinc were detected above laboratory MDLs in one or more of the soil samples collected from the three soil borings advanced on the subject property. The metal silver was not detected above laboratory MDLs in the soil samples collected. Detected metals did not exceed the EGLE GRCC, except as noted below:

- Arsenic was detected above the GRCC for the Drinking Water Protection (DWP) and Groundwater Surface Water Interface Protection (GSIP) exposure pathways for the soil samples collected from soil borings 1723-SB-01, 1723-SB-02 and 1723-SB-03. Arsenic was also detected above the GRCC for the Direct Contact (DC) exposure pathway in the soil sample collected from soil boring 1723-SB-01.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 1723-SB-01, 1723-SB-02 and 1723-SB-03.
- Mercury was detected above the GRCC for the GSIP and the Residential VIAP-SL exposure pathway for the soil samples collected from soil borings 1723-SB-01, 1723-SB-02 and 1723-SB-03.

The pesticide 4,4'-DDE was detected above the laboratory MDL in the soil samples collected from 1723-SB-01, 1723-SB-02 and 1723-SB-03 and the pesticide 4,4'-DDT was detected above the laboratory MDL in the soil sample collected from 1723-SB-01. The detected concentrations did not exceed the GRCCs. No other pesticide was detected above laboratory MDLs.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 1723 Taylor Street			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA, unless disturbed (see below)
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP, GSIP and Indoor Air Inhalation exposure pathways are not complete. Therefore, the concentrations of chromium and mercury detected above GRCC in the soil samples do not represent a human health risk. Similarly, the concentrations of arsenic detected above GRCC in soil samples 1723-SB-02 and 1723-SB-03 do not represent a human health risk.

Arsenic was detected in the soil sample collected from 1723-SB-01 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 1 to 2 feet bgs. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

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

3756 FRENCH ROAD

Field Activities

On May 26, 2022, between the hours of 11:30 am and 12:35 pm, PSI field scientists Adam Smak and Michael Angellotti mobilized to 3756 French Road to conduct fill material sampling activities. PSI attempted to advance three soil borings identified as 3756-SB-01 through 3756-SB-03 to the target depth of 4 feet bgs; however, encountered refusal at approximately 3 feet bgs in 3756-SB-01 and 3.5 feet bgs in 3756-SB-02 and 3756-SB-03 due to the presence of construction debris. The construction debris included rocks and brick. Multiple attempts to clear the refusal were made at the three locations; however, the hand auger borings could not extend beyond the 3 to 3.5-feet bgs depths. Soil samples were collected from the 2 to 3-feet bgs sample interval.

Material encountered during advancement of the three soil borings included topsoil which was underlain by brown, sandy clay. Construction debris was present throughout the depths of the soil borings. In soil boring 3756-SB-01, brown/black staining and a sewage odor were encountered at approximately 2 to 2.5 feet bgs.

Findings

The laboratory results of the soil samples collected from 3756-SB-01 through 3756-SB-03 indicate that VOCs, chlorides, herbicides, and pesticides were not detected above laboratory method detection limits (MDLs).

Various SVOCs were detected above laboratory MDLs in soil samples collected from 3756-SB-02 and 3756-SB-03, however, the detections did not exceed GRCCs or Residential VIAP-SLs. SVOCs were not detected above laboratory MDLs in the soil sample collected from 3756-SB-01.

The metals arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, and/or zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. The metal silver was not detected above laboratory MDLs. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP and GSIP exposure pathways for the soil samples collected from soil borings 3756-SB-01, 3756-SB-02 and 3756-SB-03.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 3756-SB-01, 3756-SB-02 and 3756-SB-03.
- Mercury was detected above the GRCC for the GSIP exposure pathway and above the Residential VIAP-SL for the soil samples collected from soil borings 3756-SB-02 and 3756-SB-03.

The PCB Aroclor 1260 was detected above the laboratory MDL in the soil sample collected from 3756-SB-01. The detected concentration did not exceed the GRCC. No other PCB was detected above laboratory MDLs.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 3756 French Road			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	No
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the Indoor Air Inhalation, DWP and GSIP exposure pathways are not complete. Therefore, the concentrations of arsenic, chromium, and mercury detected above GRCC in the soil samples, do not represent a human health risk.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

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

3922 LEMAY STREET

Field Activities

On May 26, 2022, between the hours of 1:00 and 1:55 pm, PSI field scientists Adam Smak and Michael Angellotti mobilized to 3922 Lemay Street to conduct fill material sampling activities. PSI advanced three soil borings identified as 3922-SB-01 through 3922-SB-03 to the target depth of 4 feet bgs. Soil samples were collected from the 2 to 3 feet bgs target interval.

Material encountered during advancement of the three soil borings included topsoil which was underlain by brown sand and firm to soft brown to brown/gray clay.

Findings

The laboratory results of the soil samples collected from 3922-SB-01 through 3922-SB-03 indicate that VOCs, chlorides, herbicides, and PCBs were not detected above laboratory method detection limits (MDLs).

Several SVOCs were detected above laboratory MDLs in the soil sample collected from 3922-SB-03, however, the detections did not exceed GRCC or Residential VIAP-SLs. SVOCs were not detected above laboratory MDLs in the soil samples collected from 3922-SB-01 and 3922-SB-02.

The metals arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, and/or zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. Silver was not detected above laboratory MDLs. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP and GSIP exposure pathways for the soil samples collected from soil borings 3922-SB-01, 3922-SB-02 and 3922-SB-03. Arsenic was also detected above the GRCC for the DC exposure pathway in the soil sample collected from soil boring 3922-SB-03.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 3922-SB-01, 3922-SB-02 and 3922-SB-03.
- Mercury was detected above the GRCC for the GSIP exposure pathway and above the Residential VIAP-SL for the soil sample collected from soil boring 3922-SB-03.

The pesticide 4,4'-DDE was detected above the laboratory MDL in the soil sample collected from 3922-SB-02. The detected concentrations did not exceed the GRCC. No other pesticide was detected above laboratory MDLs.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 3922 Lemay Street			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA, unless disturbed (see below)
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP, GSIP and Indoor Air Inhalation exposure pathways are not complete. Therefore, the concentrations of chromium and mercury detected above GRCC in the soil samples do not represent a human health risk. Similarly, the concentrations of arsenic detected above GRCC in soil samples 3922-SB-01 and 3922-SB-02 do not represent a human health risk.

Arsenic was detected in the soil sample collected from 3922-SB-03 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 2 to 3 feet bgs. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

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

3951 LEMAY STREET

Field Activities

On May 26, 2022, between the hours of 12:40 and 1:20 pm, PSI field scientists Adam Smak and Michael Angellotti mobilized to 3951 Lemay Street to conduct fill material sampling activities. PSI attempted to advance three soil borings identified as 3951-SB-01 through 3951-SB-03 to the target depth of 4 feet bgs; however, encountered refusal at approximately 2.5 feet bgs in 3951-SB-01 and 3951-SB-02 and 3 feet bgs in 3951-SB-03 due to the presence of construction debris. The construction debris included rocks and brick. Multiple attempts to clear the refusal were made at the three locations; however, the hand auger borings could not extend beyond the 2.5 to 3 feet bgs depths. Soil samples were collected from the 2 to 2.5 feet bgs interval in borings 3951-SB-01 and 3951-SB-02 and 2 to 3 feet bgs interval in 3951-SB-03.

Material encountered during advancement of the three soil borings included dark brown to brown topsoil underlain by brown clay. Minor to significant amounts of construction debris (including rocks, brick, etc.) were encountered in each of the soil borings.

Findings

The laboratory results of the soil samples collected from 3951-SB-01 through 3951-SB-03 indicate that VOCs, chloride, herbicides, and PCBs were not detected above laboratory method detection limits (MDLs).

Various SVOCs were detected above laboratory MDLs in soil samples collected from the three soil borings, however, the detections did not exceed GRCCs or Residential VIAP-SLs.

The metals arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver and zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP, GSIP, and DC exposure pathways for the soil samples collected from soil borings 3951-SB-01, 3951-SB-02 and 3951-SB-03.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 3951-SB-01, 3951-SB-02 and 3951-SB-03.
- Mercury was detected above the GRCC for the GSIP exposure pathway and the Residential VIAP-SL for the soil samples collected from soil borings 3951-SB-01, 3951-SB-02 and 3951-SB-03.
- Silver was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from 3951-SB-01 and 3951-SB-02.

The pesticides 4,4'-DDE and 4,4'-DDT were detected above the laboratory MDLs in the soil samples collected from 3951-SB-01 and 3951-SB-03. The detected concentrations did not exceed the GRCC. Laboratory MDLs were not exceeded in the sample collected from soil boring 3951-SB-02.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 3951 Lemay Street			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA unless disturbed (see below)
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No

Exposure Pathway Evaluation – 3951 Lemay Street			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP, GSIP and Indoor Air Inhalation exposure pathways are not complete. Therefore, the concentrations of chromium, mercury and silver detected above GRCC in the soil samples do not represent a human health risk.

Additionally, arsenic was detected in the soil samples collected from 3951-SB-01, 3951-SB-02 and 3951-SB-03 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 2 to 2.5 feet bgs in 3951-SB-01 and 3951-SB-02 and 2 to 3 feet bgs in 3951-SB-03. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

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

3966 ST. CLAIR STREET

Field Activities

On May 26, 2022, between the hours of 11:15 and 11:55 am, PSI field scientists Adam Smak and Michael Angellotti mobilized to 3966 St. Clair Street to conduct fill material sampling activities. PSI attempted to advance three soil borings identified as 3966-SB-01 through 3966-SB-03 to the target depth of 4 feet bgs; however, encountered refusal at approximately 3 feet bgs in the three soil borings due to the presence of significant construction debris. The construction debris included concrete and sewer pipe. Multiple attempts to clear the refusal were made at the three locations; however, the hand auger borings could not extend beyond the 3 feet bgs depths. Soil samples were collected from the 2 to 3 feet bgs interval.

Material encountered during advancement of the three soil borings included brown topsoil underlain by brown clay. Significant construction debris, including concrete and sewer pipe, was encountered at approximately 2.5 to 3 feet bgs in each soil boring.

Findings

The laboratory results of the soil samples collected from 3966-SB-01 through 3966-SB-03 indicate that VOCs, SVOCs, chloride, herbicides, pesticides, and PCBs were not detected above laboratory method detection limits (MDLs).

The metals arsenic, barium, cadmium, chromium, copper, lead, selenium, and zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. The metals mercury and silver were not detected above laboratory MDLs in the soil samples collected. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP, GSIP, and DC exposure pathways for the soil samples collected from soil borings 3966-SB-01, 3966-SB-02 and 3966-SB-03.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 3966-SB-01, 3966-SB-02 and 3966-SB-03.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 3966 St. Clair Street			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA unless disturbed (see below)
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP, GSIP and Indoor Air Inhalation exposure pathways are not complete. Therefore, the concentrations of chromium detected above GRCC in the soil samples do not represent a human health risk.

Additionally, arsenic was detected in the soil samples collected from 3966-SB-01, 3966-SB-02 and 3966-SB-03 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 2 to 3 feet bgs. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria.

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

4674 FAIRVIEW

Field Activities

On May 26, 2022, between the hours of 2:05 and 2:35 pm, PSI field scientists Adam Smak and Michael Angellotti mobilized to 4674 Fairview to conduct fill material sampling activities. PSI advanced three soil borings identified as 4674-SB-01 through 4674-SB-03 to the target depth of 4 feet bgs; therefore, one soil sample was collected from the 2 to 3 feet bgs interval from each soil boring.

Material encountered during advancement of the three soil borings included brown topsoil underlain by brown clay to the depth of the soil borings. Minor amounts of construction debris were encountered within the topsoil.

Findings

The laboratory results of the soil samples collected from 4674-SB-01 through 4674-SB-03 indicate that VOCs, SVOCs, chloride, herbicides, and PCBs were not detected above laboratory method detection limits (MDLs).

The metals arsenic, barium, cadmium, chromium, copper, lead, selenium, and zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. The metals mercury and silver were not detected above laboratory MDLs in the soil samples collected. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP and GSIP exposure pathways for the soil samples collected from soil borings 4674-SB-01, 4674-SB-02 and 4674-SB-03. Arsenic was also detected above the GRCC for the DC exposure pathway in the soil sample collected from soil borings 4674-SB-01 and 4674-SB-03.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 4674-SB-01, 4674-SB-02 and 4674-SB-03.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 4674 Fairview			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA unless disturbed (see below)
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP and GSIP exposure pathways are not complete. Therefore, the concentrations of chromium detected above GRCC in the soil samples do not represent a human health risk. Similarly, the concentrations of arsenic detected above GRCC in soil sample 4674-SB-02 do not represent a human health risk.

Arsenic was detected in the soil samples collected from 4674-SB-01 and 4674-SB-03 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 2 to 3 feet bgs. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the fill material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

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

8059 FORESTLAWN

Field Activities

On May 26, 2022, between the hours of 2:45 and 3:25 pm, PSI field scientists Adam Smak and Michael Angellotti mobilized to 8059 Forestlawn Street to conduct fill material sampling activities. PSI attempted to advance three soil borings identified as 8059-SB-01 through 8059-SB-03 to the target depth of 4 feet bgs; however, encountered refusal at approximately 2.5 feet bgs in 8059-SB-01 and 3 feet bgs in 8059-SB-02 and 8059-SB-03 due to the presence of construction debris. The construction debris included brick, large concrete pieces and sewer pipe. Multiple attempts to clear the refusal were made at the three locations; however, the hand auger borings could not extend beyond the 2.5 to 3-feet bgs depths. Soil samples were collected from the 2 to 2.5-feet bgs sample interval in 8059-SB-01 and 2 to 3 feet bgs sample interval in 8059-SB-02 and 8059-SB-03.

Material encountered during advancement of the three soil borings included brown topsoil underlain by clay. Significant amounts of construction debris which included brick, large concrete pieces and sewer pipe were encountered in the topsoil and clay in each of the three soil borings.

Findings

The laboratory results of the soil samples collected from 8059-SB-01 through 8059-SB-03 indicate that VOCs, chloride, herbicides, and pesticides were not detected above laboratory method detection limits (MDLs).

Various SVOCs were detected above laboratory MDLs in the soil samples collected from 8059-SB-02 and 8059-SB-03, however, the detections did not exceed GRCC or Residential VIAP-SLs. SVOCs were not detected above laboratory MDLs in the soil sample collected from 8059-SB-01.

The metals arsenic, barium, cadmium, chromium, copper, lead, selenium, silver and/or zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. The metal mercury was not detected above laboratory MDLs in any of the soil samples collected. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP and GSIP exposure pathways for the soil samples collected from soil borings 8059-SB-01, 8059-SB-02 and 8059-SB-03. Arsenic was also detected above the GRCC for the DC exposure pathway in the soil samples collected from soil borings 8059-SB-01 and 8059-SB-02.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 8059-SB-01, 8059-SB-02 and 8059-SB-03.

- Silver was detected above the GRCC for the GSIP exposure pathway for the soil sample collected from soil boring 8059-SB-01.

The PCB Aroclor 1248 was detected above the laboratory MDL in the soil sample collected from 8059-SB-01 and the PCB Aroclor 1254 was detected above the laboratory MDL in the soil samples collected from 8059-SB-02 and 8059-SB-03. The detected concentrations did not exceed the GRCC. No other PCBs were detected above laboratory MDLs.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 8059 Forestlawn			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA unless disturbed (see below)
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA

Exposure Pathway Evaluation – 8059 Forestlawn			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP and GSIP exposure pathways are not complete. Therefore, the concentrations of chromium and silver detected above GRCC in the soil samples do not represent a human health risk. Similarly, the concentration of arsenic detected above GRCC in soil sample 8059-SB-03 does not represent a human health risk.

Arsenic was detected in the soil samples collected from 8059-SB-01 and 8059-SB-02 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 2 to 2.5 feet bgs in 8059-SB-01 and 2 to 3 feet bgs in 8059-SB-02 and 8059-SB-03. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions
PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria.

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

19958 GREENVIEW

Field Activities
On May 26, 2022, between the hours of 9:15 and 9:55 pm, PSI field scientists Adam Smak and Michael Angellotti mobilized to 19958 Greenview Avenue to conduct fill material sampling activities. PSI advanced three soil borings identified as 19958-SB-01 through 19958-SB-03 to the target depth of 4 feet bgs; therefore, one soil sample was collected from the 2 to 3 feet bgs interval from each soil boring.

Material encountered during advancement of the three soil borings included brown topsoil underlain by brown clay and sand to the depth of the soil borings.

Findings

The laboratory results of the soil samples collected from 19958-SB-01 through 19958-SB-03 indicate that VOCs, SVOCs, chloride, herbicides, and PCBs were not detected above laboratory method detection limits (MDLs).

The metals arsenic, barium, cadmium, chromium, copper, lead, selenium, and zinc were detected above laboratory MDLs in the soil samples collected from the three soil borings advanced on the subject property. The metals mercury and silver were not detected above laboratory MDLs in any of the soil samples collected. Detected metals did not exceed GRCC, except as noted below:

- Arsenic was detected above GRCC for the DWP and GSIP exposure pathways for the soil samples collected from soil borings 19958-SB-01, 19958-SB-02 and 19958-SB-03. Arsenic was also detected above the GRCC for the DC exposure pathway in the soil samples collected from soil borings 19958-SB-01 and 19958-SB-02.
- Chromium was detected above the GRCC for the GSIP exposure pathway for the soil samples collected from soil borings 19958-SB-01, 19958-SB-02 and 19958-SB-03.

The pesticide 4,4'-DDE was detected above the laboratory MDL in the soil sample collected from 19558-SB-02. The detected concentrations did not exceed the GRCC. No other pesticides were detected above laboratory MDLs.

Exposure Pathway Evaluation

The exposure pathway evaluation is intended to identify potential transport mechanisms by which contamination could migrate through the environment from the contaminant source to a potential exposure point. The exposure assessment included an evaluation of potential exposure pathways and transport mechanisms associated with contaminated soil at the subject property. Please note, that in the event that site conditions change, the exposure pathways are to be re-evaluated.

Exposure Pathway Evaluation – 19958 Greenview Avenue			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Direct Contact (DC)	Yes/No	• Vegetative cover prevents exposure, in the event the cover is removed or the soil is disturbed as part of construction activities, this pathway should be considered complete. • If disturbed, soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them and pathway is complete.	NA unless disturbed (see below)

Exposure Pathway Evaluation – 19958 Greenview Avenue			
Exposure Pathway	**Exposure Pathway Complete?**		**If pathway Complete, are criteria exceeded**
	Yes/ No	**Justification**	**Residential**
Particulate Soil Inhalation (PI)	Yes	• Soils present at intervals (< 1') where onsite occupants/utility workers may be expected to access them.	No
Indoor Air Inhalation (IAI or VIAP-SLs)	No	• A building is not present on the subject property.	NA
Ambient Air Inhalation (AAI)	Yes	• Pathway complete during construction or development/demolition activities	No
Groundwater Ingestion (DWP)	No	• No potable drinking water used onsite. • Groundwater not used for potable drinking water in the City of Detroit.	NA
Groundwater Surface Water Interface (GSIP)	No	• No surface water is present on the property.	NA

Based on the exposure pathway evaluation, the DWP and GSIP exposure pathways are not complete. Therefore, the concentrations of chromium detected above GRCC in the soil samples do not represent a human health risk. Similarly, the concentration of arsenic detected above GRCC in soil sample 19558-SB-03 does not represent a human health risk.

Additionally, arsenic was detected in the soil samples collected from 19558-SB-01 and 19558-SB-02 which exceeded the GRCC DC exposure pathway at a sample interval of approximately 2 to 3 feet bgs. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Conclusions

PSI has evaluated the analytical results of the fill material. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

PSI warrants that no information or documentation was deleted, omitted, or changed that would otherwise cause the City of Detroit and its agencies and authorities to reach a different conclusion. Furthermore, PSI

understands that the City of Detroit and its agencies and authorities rely upon the overall completeness, accuracy, and conclusions in this report and hereby provides reliance on the contents presented herein.

CLOSING

PSI has completed the Sampling and Analysis of Fill Material requested by the City of Detroit Demolition Department in accordance with PSI Proposal No. 0166-372166 dated April 28, 2022 and the Scope of Services included with the notice to proceed (NTP) number 3056188, except as noted above. The sampling and analysis of unknown fill material was completed at the 8 City of Detroit residential properties located at the following addresses:

- 1723 Taylor Street
- 3756 French Road
- 3922 Lemay Street
- 3951 Lemay Street
- 3966 St. Clair Street
- 4674 Fairview Street
- 8059 Forestlawn Street
- 19958 Greenview Avenue

PSI has evaluated the analytical results of the fill material for the above listed sites. Based upon the analytical results, we have determined that the material is contaminated above the EGLE Part 201 Generic Residential Cleanup Criteria, as applicable.

Arsenic was detected above the GRCC Direct Contact exposure pathway in soil samples collected from 1723 Taylor Street, 3922 Lemay Street, 3951 Lemay Street, 3966 St. Clair Street, 4674 Fairview Street, 8059 Forestlawn Street, and 19958 Greenview Avenue. Based on the presence of vegetative ground cover, the direct contact exposure pathway is not complete at this time and the arsenic detected above GRCC in the soil sample does not represent a human health risk. However, in the event the soils are disturbed or moved as part of construction activities, or the vegetative cover is removed, the pathway should be considered complete during those types of activities.

Additionally, construction debris material was encountered during the advancement of the hand auger soil borings for 1723 Taylor Street (glass, large rocks, bricks), 3756 French Road (rocks and brick), 3951 Lemay Street (rocks and brick), 3966 St. Clair Street (concrete and sewer pipe), and 8059 Forestlawn (concrete and sewer pipe); which limited the depth of the hand auger soil borings and collected soil samples.

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

PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed. The findings are partially based on data provided by others. PSI cannot

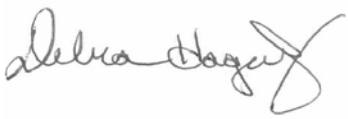
guarantee the accuracy of data provided by others. No warranty is expressed or implied with the usage of such data.

This report was prepared pursuant to the contract PSI has with the DDD. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance, or any use of this report by anyone other than the DDD and/or its affiliates, parents and subsidiaries, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third- party beneficiary to PSI's contract with the DDD. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

PSI appreciates the opportunity to provide environmental consulting services on this project. If you have any questions or need additional assistance, please contact us at 248-957-9911.

Respectfully submitted,
Professional Service Industries, Inc.



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ATTACHMENTS:

ATTACHMENT 1 – 1723 Taylor Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 2 – 3756 French Road

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 3 – 3922 Lemay Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 4 – 3951 Lemay Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 5 – 3966 St. Clair Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 6 – 4674 Fairview Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 7 – 8059 Forestlawn Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENT 8 – 19958 Greenview Avenue

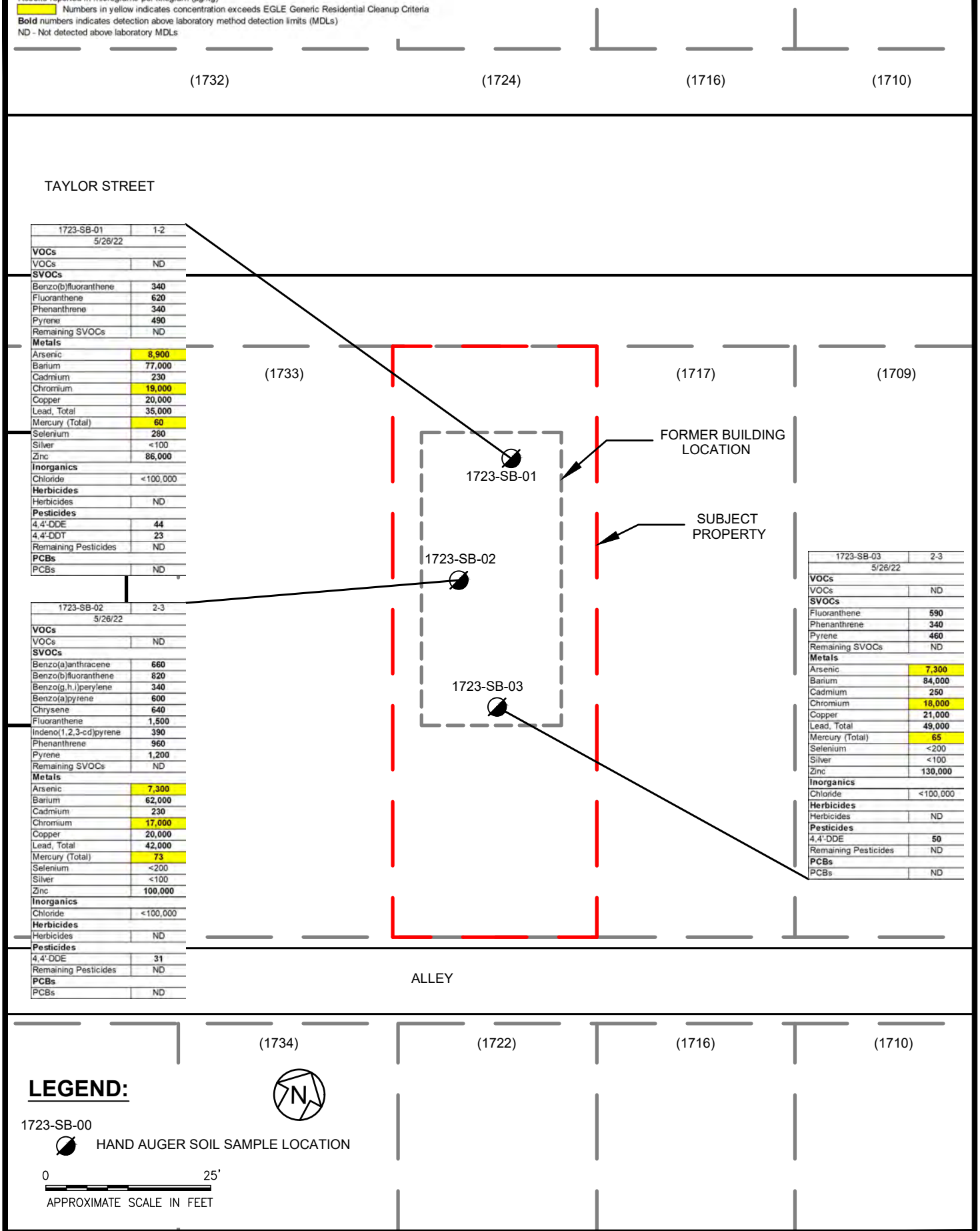
Figure 1 – Soil Sample Location Map with Soil Analytical Results; Table 1 – Summary of Soil Analytical Results; Photographic Log; Boring Logs; and Laboratory Analytical Reports and Chain of Custody Records

ATTACHMENTS

ATTACHMENT 1 – 1723 Taylor Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records

Results reported in micrograms per kilogram (µg/kg)
Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria
Bold numbers indicates detection above laboratory method detection limits (MDLs)
ND - Not detected above laboratory MDLs



1723-SB-01	1-2
5/26/22	
VOCs	
VOCs	ND
SVOCs	
Benzo(b)fluoranthene	340
Fluoranthene	620
Phenanthrene	340
Pyrene	490
Remaining SVOCs	ND
Metals	
Arsenic	8,900
Barium	77,000
Cadmium	230
Chromium	19,000
Copper	20,000
Lead, Total	35,000
Mercury (Total)	60
Selenium	280
Silver	<100
Zinc	86,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4'-DDE	44
4,4'-DDT	23
Remaining Pesticides	ND
PCBs	
PCBs	ND

1723-SB-02	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
Benzo(a)anthracene	660
Benzo(b)fluoranthene	820
Benzo(g,h,i)perylene	340
Benzo(a)pyrene	600
Chrysene	640
Fluoranthene	1,500
Indeno(1,2,3-cd)pyrene	390
Phenanthrene	960
Pyrene	1,200
Remaining SVOCs	ND
Metals	
Arsenic	7,300
Barium	62,000
Cadmium	230
Chromium	17,000
Copper	20,000
Lead, Total	42,000
Mercury (Total)	73
Selenium	<200
Silver	<100
Zinc	100,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4'-DDE	31
Remaining Pesticides	ND
PCBs	
PCBs	ND

1723-SB-03	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
Fluoranthene	590
Phenanthrene	340
Pyrene	460
Remaining SVOCs	ND
Metals	
Arsenic	7,300
Barium	84,000
Cadmium	250
Chromium	18,000
Copper	21,000
Lead, Total	49,000
Mercury (Total)	65
Selenium	<200
Silver	<100
Zinc	130,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4'-DDE	50
Remaining Pesticides	ND
PCBs	
PCBs	ND

LEGEND:

1723-SB-00 HAND AUGER SOIL SAMPLE LOCATION

0 25'

APPROXIMATE SCALE IN FEET

intertek psi

Environmental Services
1938 Franklin Street, Suite 101
Detroit, Michigan 48207
(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

1723 Taylor Street,
Detroit, Michigan 48206

Checked:	Scale:	Date:	Figure:
K. Robins	See Legend	6-16-2022	1
Drawn: A.Smak	Project Number: 01661734-9		

Table 1 – Summary of Soil Analytical Results

SITE NAME 1723 Taylor Street, Detroit, MI
Project No. 0166-1734

COMPOUND	Chemical Abstract Service Number (CAS)	EGLE Residential Cleanup Criteria (µg/kg)									1723-SB-01	1723-SB-02	1723-SB-03
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
		Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Soil Volatilization to Indoor Air Inhalation	Volatilization to Indoor Air Pathway - Screening Levels	Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Particulate Soil Inhalation Criteria	Direct Contact Criteria	Soil Saturation Concentration Screening Levels			
Sample interval (feet)											1-2	2-3	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Benzo(a)anthracene	56553	NA	NLL	NLL	NLV	1.60E+05	NLV	ID	20,000	NA	<330	**660**	<330
Benzo(b)fluoranthene	205992	NA	NLL	NLL	ID	NA	ID	ID	20,000	NA	**340**	**820**	<330
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLV	NA	NLV	8.00E+08	2.50E+06	NA	<330	**340**	<330
Benzo(a)pyrene	50328	NA	NLL	NLL	NLV	NA	NLV	1.50E+06	2,000	NA	<330	**600**	<330
Chrysene	218019	NA	NLL	NLL	ID	NA	ID	ID	2.00E+06	NA	<330	**640**	<330
Fluoranthene	206440	NA	730,000	5,500	1.0E+9 (D)	NA	7.40E+08	9.30E+09	4.60E+07	NA	**620**	**1,500**	**590**
Indeno(1,2,3-cd)pyrene	193395	NA	NLL	NLL	NLV	NA	NLV	ID	20,000	NA	<330	**390**	<330
Phenanthrene	85018	NA	56,000	2,100	2.80E+06	1,700	160,000	6.70E+06	1.60E+06	NA	**340**	**960**	**340**
Pyrene	129000	NA	480,000	ID	1.0E+9 (D)	2.50E+07	6.50E+08	6.70E+09	2.90E+07	NA	**490**	**1,200**	**460**
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**8,900**	**7,300**	**7,300**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**77,000**	**62,000**	**84,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**230**	**230**	**250**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**19,000**	**17,000**	**18,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**20,000**	**20,000**	**21,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**35,000**	**42,000**	**49,000**
Mercury (Total) (B,Z)	Varies	130	1,700	**50 (M); 1.2**	48,000	**50 (M); 22**	52,000	2.00E+07	160,000	NA	**60**	**73**	**65**
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	**280**	<200	<200
Silver (B)	7440224	1,000	4,500	100 (M); 27	NLV	NA	NLV	6.70E+06	2.50E+06	NA	<100	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**86,000**	**100,000**	**130,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
4,4'-DDE	72559	NA	NLL	NLL	NLV	39,000	NLV	3.20E+07	45,000	NA	**44**	**31**	**50**
4,4'-DDT	50293	NA	NLL	NLL	NLV	NA	NLV	3.20E+07	57,000	NA	**23**	<20	<20
Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	ND	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
1723 Taylor Street
Detroit, Wayne County, MI 48206

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Subject Property

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

The City of Detroit / Demolition Department
1723 Taylor Street
Detroit, Wayne County, MI 48206

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
1723-SB-01	LOCATION: **1723 Taylor Street, Detroit, MI 48206**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**10:25**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~2` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight with trace organic materials	0.0
			glass and construction debris (brick and concrete)	0.0
1		100%	**CLAY -** brown, moist, firm with construction debris	0.0
2		0-15%	significant construction debris (large concrete)	0.0
		0%	End of Boring - Refusal 2' BGS	
3				
4				
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
		PROJECT NO.:	**0166-1734**
1723-SB-02	LOCATION: **1723 Taylor Street, Detroit, MI 48206**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**10:45**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight with trace organic materials	0.0
			glass and construction debris (brick and concrete)	0.0
1			**CLAY -** brown, moist, firm	0.0
2		100%		0.0
			organic materials	0.0
3				
4				0.0
			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
		PROJECT NO.:	**0166-1734**
1723-SB-03	LOCATION: **1723 Taylor Street, Detroit, MI 48206**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**10:50**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight with trace organic materials	0.0
			glass and construction debris (brick and concrete)	0.0
1			**CLAY -** brown, moist, firm	0.0
			brown/gray mottled	0.0
2		100%		0.0
			organic materials	0.0
3				
				0.0
4				
			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Tuesday, June 14, 2022

Fibertec Project Number:	A08766
Project Identification:	Residential Properties, Detroit, MI (1723 Taylor) /0166-1734 16
Submittal Date:	05/28/2022

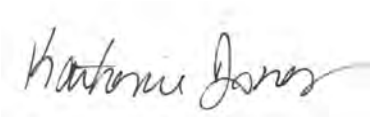
Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



By Katherine Jones at 3:26 PM, Jun 14, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-001

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-01 (1-2')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 1723 SB-01 (1-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 1723 SB-01 (1-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**8900**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**77000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**230**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**19000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**20000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**35000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	**280**		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**86000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 1723 SB-01 (1-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**60**		µg/kg	50	10	06/01/22	PM22F01B	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 1723 SB-01 (1-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
2. alpha-BHC	U	*	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
8. 4,4'-DDE	**44**	F-*	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-01 (1-2')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
9. 4,4'-DDT	**23**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
11. Endosulfan I	U	F-	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
12. Endosulfan II	U	F-	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
17. Heptachlor Epoxide	U	F-	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 17:38	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:18	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U	F-*	µg/kg	200	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT
‡ 4. Dicamba	U	F-*	µg/kg	100	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-01 (1-2')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 5. Dichlorprop	U	*	µg/kg	200	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 01:40	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08766-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
7. Bromoform	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-01 (1-2')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08766-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
28. 1,2-Dichloroethane	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
45. Styrene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	66	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 14:49	VJ22E31A	KCM

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Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-001

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-01 (1-2')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
8. Benzo(b)fluoranthene	**340**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	190	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	1900	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
33. Fluoranthene	**620**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-01 (1-2')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	3900	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
58. Phenanthrene	**340**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
60. Pyrene	**490**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 19:45	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08766-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 1723 SB-01 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-002

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 1723 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 1723 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**7300**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**62000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**230**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**17000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**20000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**42000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**100000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 1723 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**73**		µg/kg	50	10	06/01/22	PM22F01B	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 1723 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
8. 4,4'-DDE	**31**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 17:51	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:29	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-002

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:12	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08766-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
7. Bromoform	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	320	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM

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Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-002

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08766-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
45. Styrene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 15:14	VJ22E31A	KCM

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Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-002

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
6. Benzo(a)anthracene	**660**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
7. Benzo(a)pyrene	**600**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
8. Benzo(b)fluoranthene	**820**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
9. Benzo(ghi)perylene	**340**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	190	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
23. Chrysene	**640**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	1900	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
33. Fluoranthene	**1500**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	**390**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	3900	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
58. Phenanthrene	**960**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
60. Pyrene	**1200**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:15	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08766-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 1723 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

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Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-003

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 1723 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 1723 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**7300**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**84000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**250**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**18000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**21000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**49000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**130000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 1723 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**65**		µg/kg	50	10	06/01/22	PM22F01B	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 1723 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
8. 4,4'-DDE	**50**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT

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11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 18:03	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:40	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	400	50	06/09/22	PS22F02K	06/09/22 11:02	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	160	10	06/08/22	PS22F02K	06/09/22 02:44	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	400	50	06/09/22	PS22F02K	06/09/22 11:02	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	1600	200	06/09/22	PS22F02K	06/09/22 10:29	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	1600	200	06/09/22	PS22F02K	06/09/22 10:29	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	160	10	06/08/22	PS22F02K	06/09/22 02:44	SC22F08A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-003

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:44	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 02:44	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08766-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
7. Bromoform	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	350	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-003

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08766-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U	*	µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
45. Styrene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	71	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 13:05	VJ22E31A	KCM

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08766
Laboratory Sample Number: A08766-003

Order: A08766
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	200	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	2000	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
33. Fluoranthene	**590**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**1723 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (1723 Taylor)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	4000	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
58. Phenanthrene	**340**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
60. Pyrene	**460**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	990	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:13	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08766-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 1723 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

*****	:	Duplicate analysis not within control limits.
F-	:	Recovery from the spiked aliquot exceeds the lower control limit (matrix spike or matrix spike duplicate).
L-	:	Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+	:	Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+	:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Y1	:	Sample was diluted due to a sample matrix issue.

Analysis Locations:

All analyses performed in Holt.

NELAP ACCREDITED TNI LABORATORY

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (1723 Taylor)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides	HOLD SAMPLE
5/26/22	10:45		1723 SB-01 (1-2')	S	2	✓	✓	✓	✓	✓	✓	✓	
5/26/22	10:55		1723 SB-02 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓	
5/26/22	11:00		1723 SB-03 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓	

Remarks:

Received By Lab
MAY 31 2022
Initials: BP

Comments:

Sampled/Relinquished By:	Date/ Time	Received By: Richard James 5/27/22 15:51
Relinquished By: Fibertec courier	Date/ Time 5-28-22 0820	Received By:
Relinquished By: 5-28-22 0930	Date/ Time	Received By Laboratory: Brandy Howes 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

_X_ 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A08766

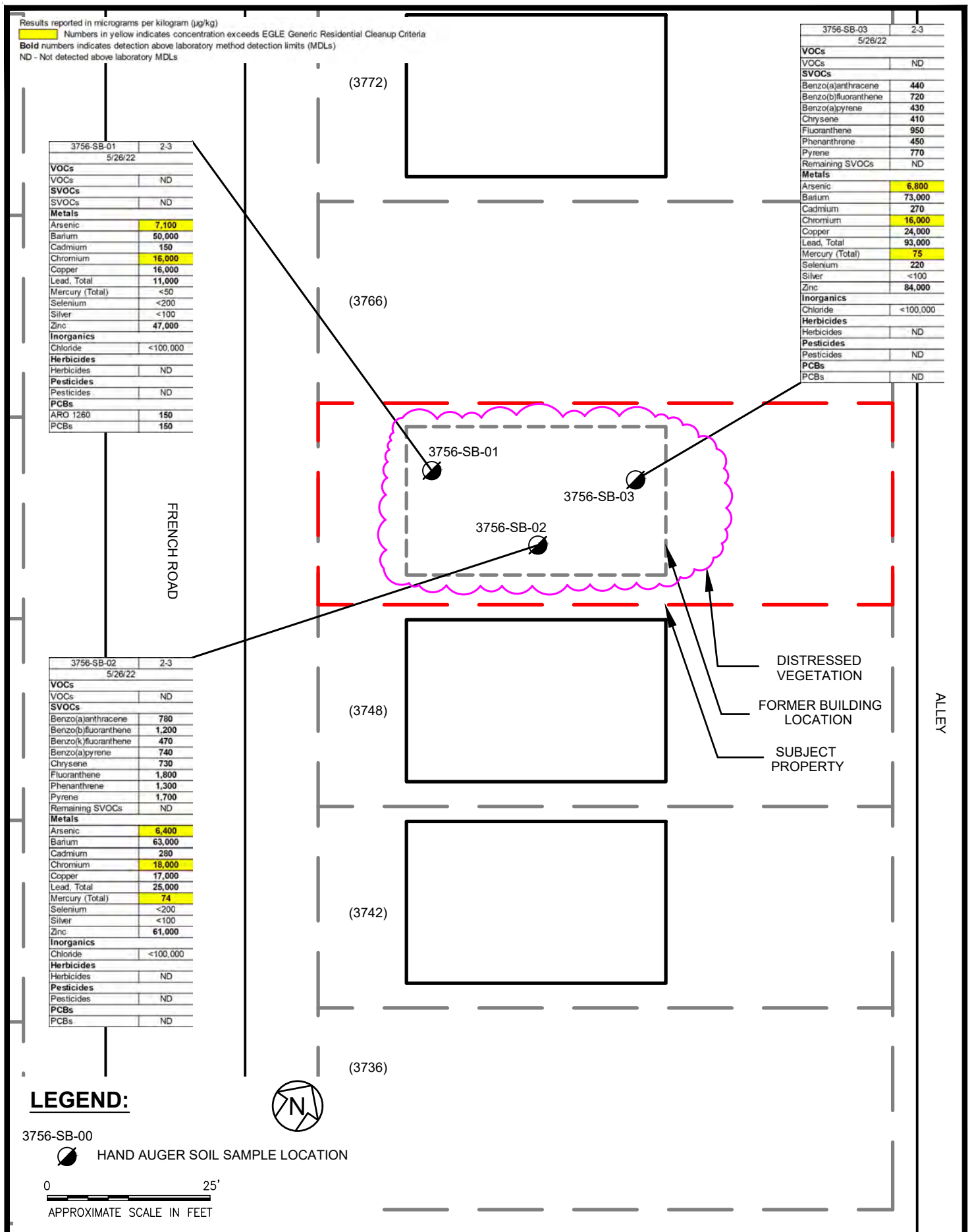
Temperature upon receipt at Lab: 3.8°C

Received On Ice

Please see back for terms and conditions

ATTACHMENT 2 – 3756 French Road

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records



3756-SB-01	2-3
	5/26/22
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	7,100
Barium	50,000
Cadmium	150
Chromium	16,000
Copper	16,000
Lead, Total	11,000
Mercury (Total)	<50
Selenium	<200
Silver	<100
Zinc	47,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
ARO 1260	150
PCBs	150

3756-SB-02	2-3
	5/26/22
VOCs	
VOCs	ND
SVOCs	
Benzo(a)anthracene	780
Benzo(b)fluoranthene	1,200
Benzo(k)fluoranthene	470
Benzo(a)pyrene	740
Chrysene	730
Fluoranthene	1,800
Phenanthrene	1,300
Pyrene	1,700
Remaining SVOCs	ND
Metals	
Arsenic	6,400
Barium	63,000
Cadmium	280
Chromium	18,000
Copper	17,000
Lead, Total	25,000
Mercury (Total)	74
Selenium	<200
Silver	<100
Zinc	61,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

3756-SB-03	2-3
	5/26/22
VOCs	
VOCs	ND
SVOCs	
Benzo(a)anthracene	440
Benzo(b)fluoranthene	720
Benzo(a)pyrene	430
Chrysene	410
Fluoranthene	950
Phenanthrene	450
Pyrene	770
Remaining SVOCs	ND
Metals	
Arsenic	6,800
Barium	73,000
Cadmium	270
Chromium	16,000
Copper	24,000
Lead, Total	93,000
Mercury (Total)	75
Selenium	220
Silver	<100
Zinc	84,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

intertek psi

Environmental Services

1938 Franklin Street, Suite 101
Detroit, Michigan 48207
(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

3756 French Road,
Detroit, Michigan 48214

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1
Drawn: A.Smak	Project Number: 01661734-10		

Table 1 – Summary of Soil Analytical Results

SITE NAME 3756 French Road, Detroit, Michigan
Project No. 0166-1734

COMPOUND	Chemical Abstract Service Number (CAS)	EGLE Residential Cleanup Criteria (µg/kg)									3756-SB-01	3756-SB-02	3756-SB-03
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
		Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Soil Volatilization to Indoor Air Inhalation	Volatilization to Indoor Air Pathway - Screening Levels	Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Particulate Soil Inhalation Criteria	Direct Contact Criteria	Soil Saturation Concentration Screening Levels			
Sample interval (feet)											2-3	2-3	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Benzo(a)anthracene	56553	NA	NLL	NLL	NLV	1.60E+05	NLV	ID	20,000	NA	<330	**780**	**440**
Benzo(b)fluoranthene	205992	NA	NLL	NLL	ID	NA	ID	ID	20,000	NA	<330	**1,200**	**720**
Benzo(k)fluoranthene	207089	NA	NLL	NLL	NLV	NA	NLV	ID	200,000	NA	<330	**470**	<330
Benzo(a)pyrene	50328	NA	NLL	NLL	NLV	NA	NLV	1.50E+06	2,000	NA	<330	**740**	**430**
Chrysene	218019	NA	NLL	NLL	ID	NA	ID	ID	2.00E+06	NA	<330	**730**	**410**
Fluoranthene	206440	NA	730,000	5,500	1.0E+9 (D)	NA	7.40E+08	9.30E+09	4.60E+07	NA	<330	**1,800**	**950**
Phenanthrene	85018	NA	56,000	2,100	2.80E+06	1,700	160,000	6.70E+06	1.60E+06	NA	<330	**1,300**	**450**
Pyrene	129000	NA	480,000	ID	1.0E+9 (D)	2.50E+07	6.50E+08	6.70E+09	2.90E+07	NA	<330	**1,700**	**770**
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	7,600	NA	**7,100**	**6,400**	**6,800**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**50,000**	**63,000**	**73,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**150**	**280**	**270**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**16,000**	**18,000**	**16,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**16,000**	**17,000**	**24,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**11,000**	**25,000**	**93,000**
Mercury (Total) (B,Z)	Varies	130	1,700	**50 (M); 1.2**	48,000	**50 (M); 22**	52,000	2.00E+07	160,000	NA	<50	**74**	**75**
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	<200	<200	**220**
Silver (B)	7440224	1,000	4,500	100 (M); 27	NLV	NA	NLV	6.70E+06	2.50E+06	NA	<100	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**47,000**	**61,000**	**84,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
ARO 1260		NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	**150**	<100	<100
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	**150**	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
3756 French Road
Detroit, Wayne County, MI 48214

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Brick Debris on Soil Auger

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

The City of Detroit / Demolition Department
3756 French Road
Detroit, Wayne County, MI 48214

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
		PROJECT NO.:	**0166-1734**
3756-SB-01	LOCATION: **3756 French Road, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**12:05**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~3` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		100%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			construction debris (brick and concrete)	
1			**CLAY -** brown, moist, firm, sandy	0.0
2				0.0
			dark brown/black staining, sewage odor	0.0
3		0-10%	significant construction debris (medium concrete)	0.0
4			End of Boring - Refusal ~3' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
		PROJECT NO.:	**0166-1734**
3756-SB-02	LOCATION: **3756 French Road, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**12:15**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~3.5` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		50-60%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			construction debris	
1			**CLAY -** brown, moist, firm, sandy with construction debris	0.0
2				0.0
3				
		0-10%	significant construction debris (medium concrete)	0.0
4			End of Boring - Refusal 3.5' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
		PROJECT NO.:	**0166-1734**
3756-SB-03	LOCATION: **3756 French Road, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**12:25**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~3.5` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		50-60%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			construction debris	
1			**CLAY -** brown, moist, firm, sandy with construction debris	0.0
2				0.0
3				
		0-10%	significant construction debris (medium concrete)	0.0
4				
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Wednesday, June 15, 2022

Fibertec Project Number:	A08774
Project Identification:	Residential Properties, Detroit, MI (0166-1734 16)/3756 French
Submittal Date:	05/27/2022

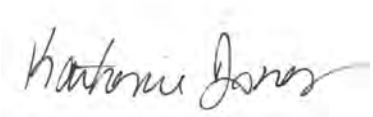
Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



By Katherine Jones at 8:57 AM, Jun 15, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-001

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3756 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3756 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**7100**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**50000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**150**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**16000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**16000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**11000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**47000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3756 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3756 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-001

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 19:15	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
7. Aroclor-1260	**150**		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:01	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT

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Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-001

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:40	SC22F09A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08774-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART

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Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08774-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 20:17	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
2. Acenaphthylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
3. Aniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
4. Anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 5. Azobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
6. Benzo(a)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
7. Benzo(a)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
8. Benzo(b)fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
9. Benzo(ghi)perylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
10. Benzo(k)fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
11. Benzyl Alcohol	U	G+	µg/kg	3300	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
12. Bis(2-chloroethoxy)methane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
13. Bis(2-chloroethyl)ether	U	G+	µg/kg	100	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
14. Bis(2-ethylhexyl)phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
15. 4-Bromophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
16. Butyl Benzyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
17. Di-n-butyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 18. Carbazole	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
19. 4-Chloro-3-methylphenol	U	G+	µg/kg	280	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
20. 2-Chloronaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
21. 2-Chlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
22. 4-Chlorophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
23. Chrysene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
24. Dibenzo(a,h)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
25. Dibenzofuran	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
26. 2,4-Dichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
27. Diethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
28. 2,4-Dimethylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
29. Dimethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
30. 2,4-Dinitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 31. 2,4-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 32. 2,6-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
33. Fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
34. Fluorene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
35. Hexachlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
36. Hexachlorobutadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
38. Hexachloroethane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
39. Indeno(1,2,3-cd)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 40. Isophorone	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
42. 2-Methylnaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
43. 2-Methylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 44. 3&4-Methylphenol	U	G+	µg/kg	660	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
45. Naphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
46. 2-Nitroaniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
47. 3-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
48. 4-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
49. Nitrobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
50. 2-Nitrophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
51. 4-Nitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
52. N-Nitrosodimethylamine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
53. N-Nitrosodi-n-propylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
54. N-Nitrosodiphenylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
55. Di-n-octyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
57. Pentachlorophenol	U	V+ G+	µg/kg	800	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
58. Phenanthrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
59. Phenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
60. Pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
61. Pyridine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
63. 2,4,5-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS
64. 2,4,6-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:20	SN22F03A	ALS

Inorganic Anions by IC **Aliquot ID: A08774-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3756 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.

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Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-001

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08774-001** **Matrix: Soil/Solid**

Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3756 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	06/06/22 10:36	PW22F06A	06/06/22	W422F06A	AVC

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Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-002

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3756 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3756 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**6400**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**63000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**280**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**18000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**17000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**25000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**61000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3756 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**74**		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3756 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 19:28	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:12	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-002

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 22:12	SC22F09A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08774-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08774-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 20:44	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-002

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
2. Acenaphthylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
3. Aniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
4. Anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 5. Azobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
6. Benzo(a)anthracene	**780**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
7. Benzo(a)pyrene	**740**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
8. Benzo(b)fluoranthene	**1200**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
9. Benzo(ghi)perylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
10. Benzo(k)fluoranthene	**470**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
11. Benzyl Alcohol	U	G+	µg/kg	3300	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
12. Bis(2-chloroethoxy)methane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
13. Bis(2-chloroethyl)ether	U	G+	µg/kg	100	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
14. Bis(2-ethylhexyl)phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
15. 4-Bromophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
16. Butyl Benzyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
17. Di-n-butyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 18. Carbazole	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
19. 4-Chloro-3-methylphenol	U	G+	µg/kg	280	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
20. 2-Chloronaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
21. 2-Chlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
22. 4-Chlorophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
23. Chrysene	**730**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
24. Dibenzo(a,h)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
25. Dibenzofuran	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
26. 2,4-Dichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
27. Diethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
28. 2,4-Dimethylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
29. Dimethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
30. 2,4-Dinitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 31. 2,4-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 32. 2,6-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
33. Fluoranthene	**1800**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
34. Fluorene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
35. Hexachlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
36. Hexachlorobutadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS

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8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
38. Hexachloroethane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
39. Indeno(1,2,3-cd)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 40. Isophorone	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
42. 2-Methylnaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
43. 2-Methylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 44. 3&4-Methylphenol	U	G+	µg/kg	660	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
45. Naphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
46. 2-Nitroaniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
47. 3-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
48. 4-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
49. Nitrobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
50. 2-Nitrophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
51. 4-Nitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
52. N-Nitrosodimethylamine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
53. N-Nitrosodi-n-propylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
54. N-Nitrosodiphenylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
55. Di-n-octyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
57. Pentachlorophenol	U	V+ G+	µg/kg	800	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
58. Phenanthrene	**1300**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
59. Phenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
60. Pyrene	**1700**	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
61. Pyridine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
63. 2,4,5-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS
64. 2,4,6-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 19:50	SN22F03A	ALS

Inorganic Anions by IC **Aliquot ID: A08774-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3756 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08774-002** **Matrix: Soil/Solid**

Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3756 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	06/06/22 10:36	PW22F06A	06/06/22	W422F06A	AVC

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Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-003

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3756 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3756 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**6800**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**73000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**270**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**16000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**24000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**93000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**220**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**84000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3756 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**75**		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3756 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 19:40	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:24	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-003

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:46	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08774-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08774-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	63	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 21:11	VP22E31A	ART

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Analytical Laboratory Report
Laboratory Project Number: A08774
Laboratory Sample Number: A08774-003

Order: A08774
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3756 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
3. Aniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
4. Anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
6. Benzo(a)anthracene	**440**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
7. Benzo(a)pyrene	**430**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
8. Benzo(b)fluoranthene	**720**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
23. Chrysene	**410**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
33. Fluoranthene	**950**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
34. Fluorene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3756 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 40. Isophorone	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
57. Pentachlorophenol	U	V+	µg/kg	800	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
58. Phenanthrene	**450**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
59. Phenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
60. Pyrene	**770**		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 20:20	SN22F03A	ALS

Inorganic Anions by IC **Aliquot ID: A08774-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3756 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	06/06/22 10:37	PW22F06A	06/06/22	W422F06A	AVC

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

G+ : Recovery of the associated Surrogate Compound exceeds the upper control limit. Results may be biased high.
L- : Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (3756 French)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	12:20		3756 SB-01 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	12:30		3756 SB-02 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	12:35		3756 SB-03 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials:

Comments:

Sampled/Relinquished By:	Date/ Time	Received By: Mariana Jones 5/27/22 15:51
Relinquished By: Fibertec cooler	Date/ Time 5-28-22 0820	Received By:
Relinquished By: 5-28-22 0930	Date/ Time	Received By Laboratory: Blanca Powers 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A08774

Temperature upon receipt at Lab: 3.8°C

Received On Ice

Please see back for terms and conditions

ATTACHMENT 3 – 3922 Lemay Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records

Results reported in micrograms per kilogram (µg/kg)
Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria
Bold numbers indicates detection above laboratory method detection limits (MDLs)
ND - Not detected above laboratory MDLs

3922-SB-02	2-3'
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	6,300
Barium	79,000
Cadmium	240
Chromium	20,000
Copper	20,000
Lead, Total	18,000
Mercury (Total)	<50
Selenium	320
Silver	<100
Zinc	63,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4-DDE	31
Pesticides	ND
PCBs	
PCBs	ND

3922-SB-03	2-3'
5/26/22	
VOCs	
VOCs	ND
SVOCs	
Fluoranthene	450
Pyrene	370
Remaining SVOCs	ND
Metals	
Arsenic	9,400
Barium	110,000
Cadmium	530
Chromium	11,000
Copper	23,000
Lead, Total	100,000
Mercury (Total)	57
Selenium	390
Silver	<100
Zinc	99,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

3922-SB-01	2-3'
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	4,900
Barium	52,000
Cadmium	130
Chromium	13,000
Copper	8,100
Lead, Total	5,700
Mercury (Total)	<50
Selenium	<200
Silver	<100
Zinc	27,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

(3934)
(3928)
(3914)
(3904)
(3890)
LEMAY STREET
ALLEY
3922-SB-03
3922-SB-02
3922-SB-01
FORMER BUILDING LOCATION
SUBJECT PROPERTY
N

LEGEND:

3922-SB-00
HAND AUGER SOIL SAMPLE LOCATION

0 25'
APPROXIMATE SCALE IN FEET

intertek psi

Environmental Services
1938 Franklin Street, Suite 101
Detroit, Michigan 48207
(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

3922 Lemay Street,
Detroit, Michigan 48214

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1
Drawn: A.Smak		Project Number: 01661734-11	

Table 1 – Summary of Soil Analytical Results

SITE NAME	3922 Lemay Street, Detroit, MI
Project No.	0166-1734

		EGLE Residential Cleanup Criteria (µg/kg)											
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
COMPOUND	**Chemical Abstract Service Number (CAS)**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria**	**Groundwater Surface Water Interface Protection Criteria**	**Soil Volatilization to Indoor Air Inhalation**	**Volatilization to Indoor Air Pathway - Screening Levels**	**Infinite Source Volatile Soil Inhalation Criteria (VSIC)**	**Particulate Soil Inhalation Criteria**	**Direct Contact Criteria**	**Soil Saturation Concentration Screening Levels**	**3922-SB-01**	**3922-SB-02**	**3922-SB-03**
Sample interval (feet)											2-3	2-3	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Fluoranthene	206440	NA	730,000	5,500	1.0E+9 (D)	NA	7.40E+08	9.30E+09	4.60E+07	NA	<330	<330	**450**
Pyrene	129000	NA	480,000	ID	1.0E+9 (D)	2.50E+07	6.50E+08	6.70E+09	2.90E+07	NA	<330	<330	**370**
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**4,900**	**6,300**	**9,400**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**52,000**	**79,000**	**110,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**130**	**240**	**530**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**13,000**	**20,000**	**11,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**8,100**	**20,000**	**23,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**5,700**	**18,000**	**100,000**
Mercury (Total) (B,Z)	Varies	130	1,700	**50 (M); 1.2**	48,000	**50 (M); 22**	52,000	2.00E+07	160,000	NA	<50	<50	**57**
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	<200	**320**	**390**
Silver (B)	7440224	1,000	4,500	100 (M); 27	NLV	NA	NLV	6.70E+06	2.50E+06	NA	<100	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**27,000**	**63,000**	**99,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
4,4'-DDE	72559	NA	NLL	NLL	NLV	39,000	NLV	3.20E+07	45,000	NA	<20	**31**	<20
Remaining Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	ND	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
3922 Lemay Street
Detroit, Wayne County, MI 48214

Front View of Subject Property

View of Subject Property

View of Subject Property

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
		PROJECT NO.:	**0166-1734**
3922-SB-01	LOCATION: **3922 Lemay Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**13:30**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, loose with trace organic materials	0.0
			tight	0.0
1			**SAND -** brown, fine grain, moist, loose	0.0
2		100%		0.0
3			trace clay, brown, moist	0.0
4			**CLAY -** brown, moist, firm	0.0
5			End of Boring 4' BGS	
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
3922-SB-02	LOCATION: **3922 Lemay Street, Detroit, MI 48214**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**13:40**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, loose with trace organic materials	0.0
1			**CLAY -** brown, moist, firm	0.0
2		100%	brown/gray mottled	0.0
3			soft	0.0
4			End of Boring 4' BGS	0.0
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
		PROJECT NO.:	**0166-1734**
3922-SB-03	LOCATION: **3922 Lemay Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**13:50**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, loose with trace organic materials	0.0
1			**CLAY -** brown, moist, firm	0.0
2		100%	brown/gray mottled, sandy	0.0
3			dark brown, soft	0.0
4			End of Boring 4' BGS	0.0
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Thursday, June 9, 2022

Fibertec Project Number:	A08770
Project Identification:	Residential Properties, Detroit, MI (0166-1734 16) / 3922 Lemay, Detroit
Submittal Date:	05/27/2022

Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Bailey Welch

By Bailey Welch at 4:57 PM, Jun 09, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-001

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3922 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**17**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3922 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**4900**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**52000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**130**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**13000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**8100**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**5700**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**27000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3922 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3922 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT

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Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-001

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 19:30	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 17:51	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT

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lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:17	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08770-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
7. Bromoform	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08770-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
45. Styrene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 18:16	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
3. Aniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
4. Anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
23. Chrysene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
34. Fluorene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
57. Pentachlorophenol	U	V+	µg/kg	800	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
59. Phenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
60. Pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 15:34	SN22F02A	ALS

Inorganic Anions by IC **Aliquot ID: A08770-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3922 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:22	PW22E31E	06/01/22	W422F01A	CMB

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Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-002

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**19**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6300**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**79000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**240**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**20000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**20000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**18000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**320**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**63000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
8. 4,4'-DDE	**31**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT

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Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-002

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 19:42	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:03	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 03:49	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08770-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-002

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08770-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 18:05	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-002

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
3. Aniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
57. Pentachlorophenol	U	V+	µg/kg	800	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
59. Phenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
60. Pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 18:46	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08770-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3922 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:22	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-003

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3922 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3922 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**9400**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**110000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**530**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**11000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**23000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**100000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**390**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**99000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3922 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**57**		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3922 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT

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11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 19:54	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:14	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-003

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/09/22 04:21	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08770-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08770-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 18:31	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08770
Laboratory Sample Number: A08770-003

Order: A08770
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3922 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
3. Aniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
33. Fluoranthene	**450**		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**3922 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (3922 Lemay)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
57. Pentachlorophenol	U	V+	µg/kg	800	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
59. Phenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
60. Pyrene	**370**		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 19:16	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08770-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3922 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:22	PW22E31E	06/01/22	W422F01A	CMB

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

L- : Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 - 3922 Lemay, Detroit, MI

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	13:45		3922 SB-01 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	13:50		3922 SB-02 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	14:00		3922 SB-03 (2-3)	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials: RP

Comments:

Sampled/Relinquished By:	Date/ Time	Received By: Richard James 5/27/22 15:51
Relinquished By: Fibertec cooler	Date/ Time 5/28/22 0820	Received By:
Relinquished By: 5-28-22 0930	Date/ Time	Received By Laboratory: Brandy Powers 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A08770

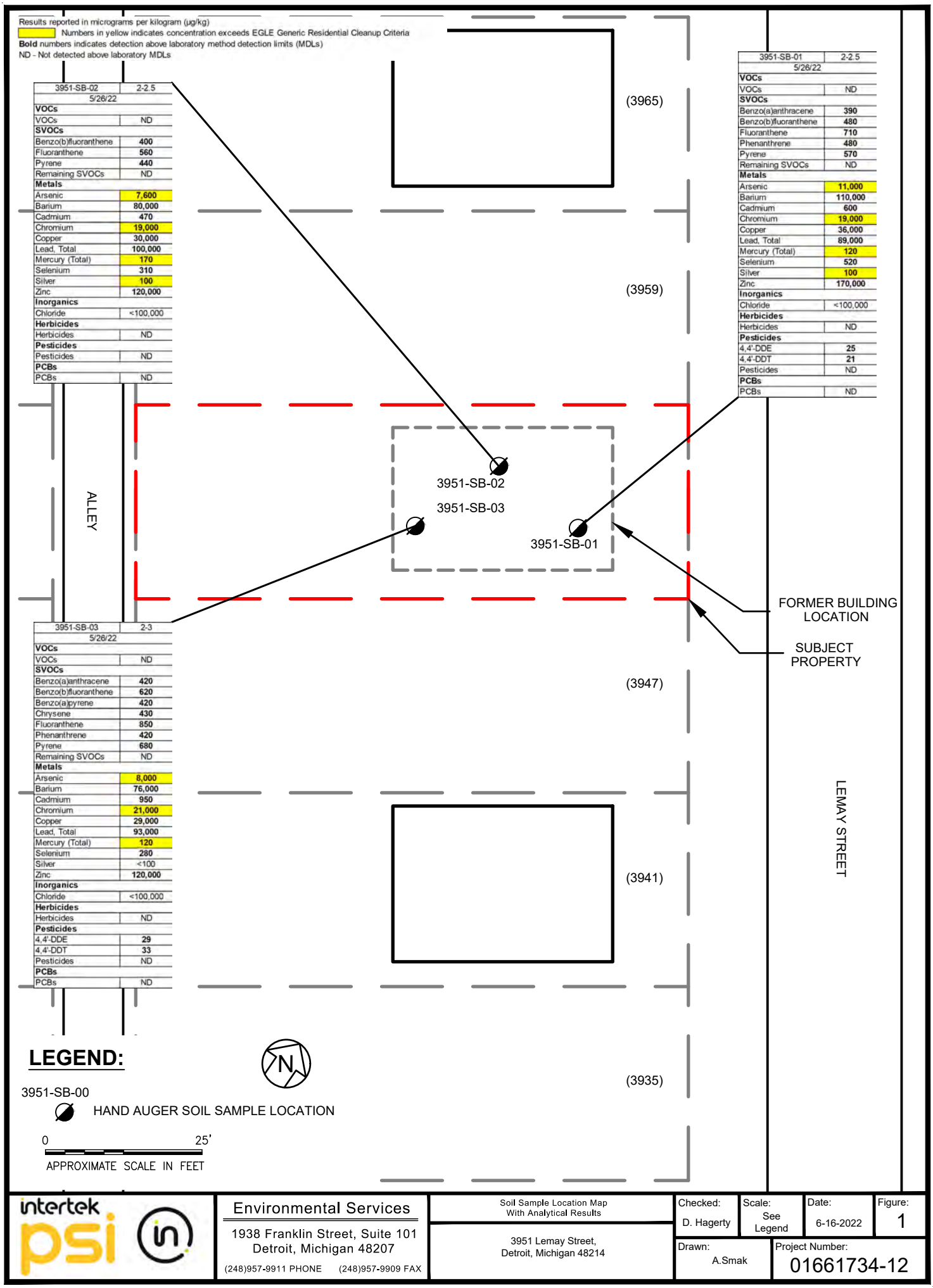
Received On Ice

Temperature upon receipt at Lab:

Please see back for terms and conditions

ATTACHMENT 4 – 3951 Lemay Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records



intertek psi
Environmental Services
1938 Franklin Street, Suite 101
Detroit, Michigan 48207
(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

3951 Lemay Street,
Detroit, Michigan 48214

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1

Drawn:	Project Number:
A.Smak	01661734-12

Table 1 – Summary of Soil Analytical Results

SITE NAME 3951 Lemay Street, Detroit, MI
Project No. 0166-1734

COMPOUND	Chemical Abstract Service Number (CAS)	EGLE Residential Cleanup Criteria (µg/kg)									3951-SB-01	3951-SB-02	3951-SB-03
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
		Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Soil Volatilization to Indoor Air Inhalation	Volatilization to Indoor Air Pathway - Screening Levels	Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Particulate Soil Inhalation Criteria	Direct Contact Criteria	Soil Saturation Concentration Screening Levels			
Sample interval (feet)											2-2.5	2-2.5	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
Remaining VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Benzo(a)anthracene	56553	NA	NLL	NLL	NLV	1.60E+05	NLV	ID	20,000	NA	**390**	<330	**420**
Benzo(b)fluoranthene	205992	NA	NLL	NLL	ID	NA	ID	ID	20,000	NA	**480**	**400**	**620**
Benzo(a)pyrene	50328	NA	NLL	NLL	NLV	NA	NLV	1.50E+06	2,000	NA	<390	<330	**420**
Chrysene	218019	NA	NLL	NLL	ID	NA	ID	ID	2.00E+06	NA	<390	<330	**430**
Fluoranthene	206440	NA	730,000	5,500	1.0E+9 (D)	NA	7.40E+08	9.30E+09	4.60E+07	NA	**710**	**560**	**850**
Phenanthrene	85018	NA	56,000	2,100	2.80E+06	1,700	160,000	6.70E+06	1.60E+06	NA	**480**	<330	**420**
Pyrene	129000	NA	480,000	ID	1.0E+9 (D)	2.50E+07	6.50E+08	6.70E+09	2.90E+07	NA	**570**	**440**	**680**
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**11,000**	**7,600**	**8,000**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**110,000**	**80,000**	**76,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**600**	**470**	**950**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**19,000**	**19,000**	**21,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**36,000**	**30,000**	**29,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**89,000**	**100,000**	**93,000**
Mercury (Total) (B,Z)	Varies	130	1,700	**50 (M); 1.2**	48,000	**50 (M); 22**	52,000	2.00E+07	160,000	NA	**120**	**170**	**120**
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	**520**	**310**	**280**
Silver (B)	7440224	1,000	4,500	**100 (M); 27**	NLV	NA	NLV	6.70E+06	2.50E+06	NA	**100**	**100**	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**170,000**	**120,000**	**120,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
4,4'-DDE	72559	NA	NLL	NLL	NLV	39,000	NLV	3.20E+07	45,000	NA	**25**	<20	**29**
4,4'-DDT	50293	NA	NLL	NLL	NLV	NA	NLV	3.20E+07	57,000	NA	**21**	<20	**33**
Remaining Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	ND	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
3951 Lemay Street
Detroit, Wayne County, MI 48214

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Brick Debris on Auger

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

The City of Detroit / Demolition Department
3951 Lemay Street
Detroit, Wayne County, MI 48214

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
		PROJECT NO.:	**0166-1734**
3951-SB-01	LOCATION: **3951 Lemay Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**12:45**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~2.5` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		60-100%	**TOPSOIL** - dark brown, moist, loose with trace organic materials	0.0
			loose with construction debris (brick and concrete)	0.0
1			**CLAY -** brown, moist, firm with construction debris	0.0
2				
		10-20%	significant construction debris (large brick and concrete)	0.0
			End of Boring - Refusal 2~2.5' BGS	
3				
4				
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
3951-SB-02	LOCATION: **3951 Lemay Street, Detroit, MI 48214**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**13:00**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~1` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		60-100%	**TOPSOIL** - dark brown, moist, loose with trace organic materials	0.0
			loose with construction debris	0.0
1			**CLAY -** brown, moist, firm with construction debris	0.0
2				
		10-20%	significant construction debris (large brick and concrete)	0.0
			End of Boring - Refusal 2~2.5' BGS	
3				
4				
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
		PROJECT NO.:	**0166-1734**
3951-SB-03	LOCATION: **3951 Lemay Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**13:15**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		60-100%	**TOPSOIL** - dark brown, moist, loose with trace organic materials	0.0
			loose with construction debris	0.0
1			**CLAY -** brown, moist, firm with construction debris	0.0
2				
3		10-20%	significant construction debris (large brick and concrete)	0.0
4			End of Boring - Refusal 3' BGS	
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Wednesday, June 15, 2022

Fibertec Project Number:	A08772
Project Identification:	Residential Properties, Detroit, MI (0166-1734 16)/3951 Lemay St.
Submittal Date:	05/27/2022

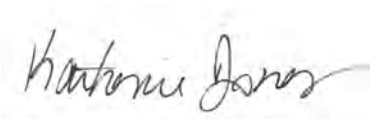
Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



By Katherine Jones at 11:32 AM, Jun 15, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-001

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3951 SB-01 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3951 SB-01 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**110000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**600**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**19000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**36000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**89000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**520**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	**100**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**170000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3951 SB-01 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**120**		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3951 SB-01 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
8. 4,4'-DDE	**25**		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
9. 4,4'-DDT	**21**		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT

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lab@fibertec.us

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-001

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
12. Endosulfan II	U	*	µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 21:59	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:35	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT

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Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-001

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:08	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08772-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
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8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08772-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 18:58	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-001

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3951 SB-01 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
2. Acenaphthylene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
4. Anthracene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 5. Azobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
6. Benzo(a)anthracene	**390**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
7. Benzo(a)pyrene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
8. Benzo(b)fluoranthene	**480**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
9. Benzo(ghi)perylene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
10. Benzo(k)fluoranthene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
17. Di-n-butyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 18. Carbazole	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
20. 2-Chloronaphthalene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
21. 2-Chlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
23. Chrysene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
25. Dibenzofuran	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
26. 2,4-Dichlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
27. Diethyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
29. Dimethyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	3900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
33. Fluoranthene	**710**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
34. Fluorene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
35. Hexachlorobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
36. Hexachlorobutadiene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-001

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3951 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
38. Hexachloroethane	U	L-Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 40. Isophorone	U	L+ Y1 V+	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	7700	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
42. 2-Methylnaphthalene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
43. 2-Methylphenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
45. Naphthalene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
46. 2-Nitroaniline	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
49. Nitrobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
50. 2-Nitrophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L-Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
58. Phenanthrene	**480**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
59. Phenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
60. Pyrene	**570**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
61. Pyridine	U	L-Y1	µg/kg	1900	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:41	SN22F02B	ALS

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-001

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08772-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3951 SB-01 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:22	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-002

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-02 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3951 SB-02 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3951 SB-02 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**7600**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**80000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**470**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**19000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**30000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**100000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**310**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	**100**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**120000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3951 SB-02 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**170**		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3951 SB-02 (2-2.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-002

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-02 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	BDA
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 22:12	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:46	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT

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Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-02 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/13/22 23:40	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08772-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-02 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08772-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	65	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 19:24	VP22E31A	ART

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Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-002

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-02 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
8. Benzo(b)fluoranthene	**400**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	190	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	1900	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
33. Fluoranthene	**560**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-02 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	3800	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
58. Phenanthrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
60. Pyrene	**440**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 20:44	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08772-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3951 SB-02 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:22	PW22E31E	06/01/22	W422F01A	CMB

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Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-003

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3951 SB-03 (2-3')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3951 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**8000**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**76000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**950**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**21000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**29000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**93000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**280**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**120000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3951 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	**120**		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3951 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
8. 4,4'-DDE	**29**		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
9. 4,4'-DDT	**33**		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT

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8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 22:25	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 19:58	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-003

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 00:13	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08772-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08772-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	64	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 19:51	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08772
Laboratory Sample Number: A08772-003

Order: A08772
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
6. Benzo(a)anthracene	**420**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
7. Benzo(a)pyrene	**420**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
8. Benzo(b)fluoranthene	**620**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	190	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
23. Chrysene	**430**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	1900	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
33. Fluoranthene	**850**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS

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11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3951 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	3800	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
58. Phenanthrene	**420**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
60. Pyrene	**680**		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	960	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:14	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08772-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3951 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:22	PW22E31E	06/01/22	W422F01A	CMB

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

*****	:	Duplicate analysis not within control limits.
L-	:	Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+	:	Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+	:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Y1	:	Sample was diluted due to a sample matrix issue.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (3951 Lemay)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	13:00		3951 SB-01 (2-2.5')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	13:15		3951 SB-02 (2-2.5')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	13:20		3951 SB-03 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials: PP

Comments:

Sampled/Relinquished By:	Date/ Time	Received By:
		Arianna James 5/27/22 15:51
Relinquished By: Fibertec cooler	Date/ Time 5-28-22 0820	Received By:
Relinquished By: 5-28-22 0930	Date/ Time	Received By Laboratory: Blang Powers 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A68772

Temperature upon receipt at Lab: 3.8°C

Received On Ice

Please see back for terms and conditions

ATTACHMENT 5 – 3966 St. Clair Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records

Results reported in micrograms per kilogram (µg/kg)

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

ND - Not detected above laboratory MDLs

3966-SB-01	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	**11,000**
Barium	**68,000**
Cadmium	**180**
Chromium	**19,000**
Copper	**19,000**
Lead, Total	**16,000**
Mercury (Total)	<50
Selenium	<200
Silver	<100
Zinc	**56,000**
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

3966-SB-02	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	**8,500**
Barium	**39,000**
Cadmium	**250**
Chromium	**15,000**
Copper	**20,000**
Lead, Total	**8,200**
Mercury (Total)	<50
Selenium	**350**
Silver	<100
Zinc	**56,000**
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

3966-SB-03	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	**12,000**
Barium	**62,000**
Cadmium	**300**
Chromium	**16,000**
Copper	**18,000**
Lead, Total	**45,000**
Mercury (Total)	<50
Selenium	**260**
Silver	<100
Zinc	**64,000**
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

(3978)

(3976)

(3960)

(3954)

(3950)

3966-SB-01

3966-SB-03

3966-SB-02

ST. CLAIR STREET

ALLEY

FORMER BUILDING LOCATION

SUBJECT PROPERTY

N

LEGEND:

3966-SB-00 HAND AUGER SOIL SAMPLE LOCATION

0 25'

APPROXIMATE SCALE IN FEET

intertek psi

Environmental Services

1938 Franklin Street, Suite 101
Detroit, Michigan 48207

(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

3966 St. Clair Street,
Detroit, Michigan 48214

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1

Drawn:	Project Number:
A.Smak	01661734-13

Table 1 – Summary of Soil Analytical Results

SITE NAME	3966 St. Clair Street, Detroit, MI
Project No.	0166-1734

		EGLE Residential Cleanup Criteria (µg/kg)											
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
COMPOUND	**Chemical Abstract Service Number (CAS)**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria**	**Groundwater Surface Water Interface Protection Criteria**	**Soil Volatilization to Indoor Air Inhalation**	**Volatilization to Indoor Air Pathway - Screening Levels**	**Infinite Source Volatile Soil Inhalation Criteria (VSIC)**	**Particulate Soil Inhalation Criteria**	**Direct Contact Criteria**	**Soil Saturation Concentration Screening Levels**	**3966-SB-01**	**3966-SB-02**	**3966-SB-03**
Sample interval (feet)											2-3	2-3	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**11,000**	**8,500**	**12,000**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**68,000**	**39,000**	**62,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**180**	**250**	**300**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**19,000**	**15,000**	**16,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**19,000**	**20,000**	**18,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**16,000**	**8,200**	**45,000**
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	48,000	50 (M); 22	52,000	2.00E+07	160,000	NA	<50	<50	<50
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	<200	**350**	**260**
Silver (B)	7440224	1,000	4,500	100 (M); 27	NLV	NA	NLV	6.70E+06	2.50E+06	NA	<100	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**56,000**	**56,000**	**64,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	ND	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
3966 St. Clair Street
Detroit, Wayne County, MI 48214

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Subject Property

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

The City of Detroit / Demolition Department
3966 St. Clair Street
Detroit, Wayne County, MI 48214

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
		PROJECT NO.:	**0166-1734**
3966-SB-01	LOCATION: **3966 St. Clair Street, Detroit, MI, 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**11:25**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~3` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, loose with trace organic materials	0.0
			tight	0.0
1			**CLAY -** brown, moist, firm	0.0
		100%		
2				0.0
3		0-10%	significant construction debris (medium concrete and sewer pipe)	0.0
			End of Boring - Refusl ~3' BGS	
4				
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
3966-SB-02	LOCATION: **3966 St. Clair Street, Detroit, MI, 48214**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**11:35**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~1` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		100%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			tight	0.0
1			**CLAY -** brown, moist, firm	0.0
2				0.0
		0-15%	significant construction debris (medium concrete and sewer pipe)	0.0
3				
4			End of Boring - Refusl ~3' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
3966-SB-03	LOCATION: **3966 St. Clair Street, Detroit, MI, 48214**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**11:45**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
		100%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			tight	0.0
1			**CLAY -** brown, moist, firm	0.0
2				0.0
3		0-15%	significant construction debris (medium concrete and sewer pipe)	0.0
4			End of Boring - Refusl ~3' BGS	
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Tuesday, June 14, 2022

Fibertec Project Number:	A08769
Project Identification:	Residential Properties, Detroit, MI (0166-1734 16)/3966 St. Clair
Submittal Date:	05/27/2022

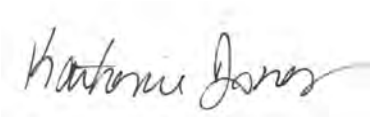
Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



By Katherine Jones at 5:27 PM, Jun 14, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-001

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**68000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**180**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**19000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**19000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**16000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**56000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 19:53	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 17:53	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U	F-*	µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT
‡ 2. Dalapon	U	F-*	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT
‡ 3. 2,4-DB	U	*	µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT
‡ 4. Dicamba	U	F-*	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-001

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 5. Dichlorprop	U	F-*	µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT
‡ 6. Dinoseb	U	L-F-*	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT
‡ 7. 2,4,5-T	U	F-*	µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT
‡ 8. 2,4,5-TP	U	F-*	µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:03	SC22F09A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	67	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-001

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 16:45	VP22E31A	ART

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
3. Aniline	U	V-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
4. Anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
23. Chrysene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS

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Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-001

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
34. Fluorene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
38. Hexachloroethane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 40. Isophorone	U	F+	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 44. 3&4-Methylphenol	U	F-	µg/kg	660	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
52. N-Nitrosodimethylamine	U	L- F- *	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
57. Pentachlorophenol	U		µg/kg	800	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
59. Phenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
60. Pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
61. Pyridine	U	L- F- *	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS

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Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-001

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-01 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:11	SN22F03B	ALS

Inorganic Anions by IC **Aliquot ID: A08769-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3966 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:21	PW22E31E	06/01/22	W422F01A	CMB

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Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-002

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3966 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3966 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**8500**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**39000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**250**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**15000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**20000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**8200**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**350**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**56000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3966 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3966 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT

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Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 20:06	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:04	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-002

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 20:35	SC22F09A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	120	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	62	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 17:12	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
3. Aniline	U	V-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
4. Anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
23. Chrysene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
34. Fluorene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-02 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 40. Isophorone	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
57. Pentachlorophenol	U		µg/kg	800	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
59. Phenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
60. Pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 07:10	SN22F03B	ALS

Inorganic Anions by IC **Aliquot ID: A08769-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3966 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:21	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-003

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 3966 SB-03 (2-3')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 3966 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**12000**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**62000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**300**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**16000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**18000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**45000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**260**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**64000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 3966 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3966 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT

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8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 20:19	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/07/22 16:17	SF22F07B	TKT

Organochlorine Herbicides **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-003

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/09/22 21:08	SC22F09A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08769-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	69	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 17:38	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
3. Aniline	U	V-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
4. Anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
23. Chrysene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
34. Fluorene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS

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Analytical Laboratory Report
Laboratory Project Number: A08769
Laboratory Sample Number: A08769-003

Order: A08769
Date: 06/14/22

Client Identification:	**Intertek - PSI**	Sample Description:	**3966 SB-03 (2-3')**	Chain of Custody:	
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 40. Isophorone	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
57. Pentachlorophenol	U		µg/kg	800	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
59. Phenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
60. Pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/04/22 06:40	SN22F03B	ALS

Inorganic Anions by IC **Aliquot ID: A08769-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 3966 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:21	PW22E31E	06/01/22	W422F01A	CMB

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

*	:	Duplicate analysis not within control limits.
F-	:	Recovery from the spiked aliquot exceeds the lower control limit (matrix spike or matrix spike duplicate).
F+	:	Recovery from the spiked aliquot exceeds the upper control limit (matrix spike or matrix spike duplicate).
L-	:	Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+	:	Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V-	:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the lower control limit. Results may be biased low.
V+	:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (3966 St. Clair)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	11:40		3966 SB-01 (2-3)	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	11:50		3966 SB-02 (2-3)	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	11:55		3966 SB-03 (2-3)	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials: BP

Comments:

Sampled/Relinquished By:	Date/ Time	Received By: Nicholas James 5/27/22 15:51
Relinquished By: Fibertec cooler	Date/ Time 5-28-22 0820	Received By:
Relinquished By: 5-28-22 0930	Date/ Time	Received By Laboratory: Blanq Power 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 108769

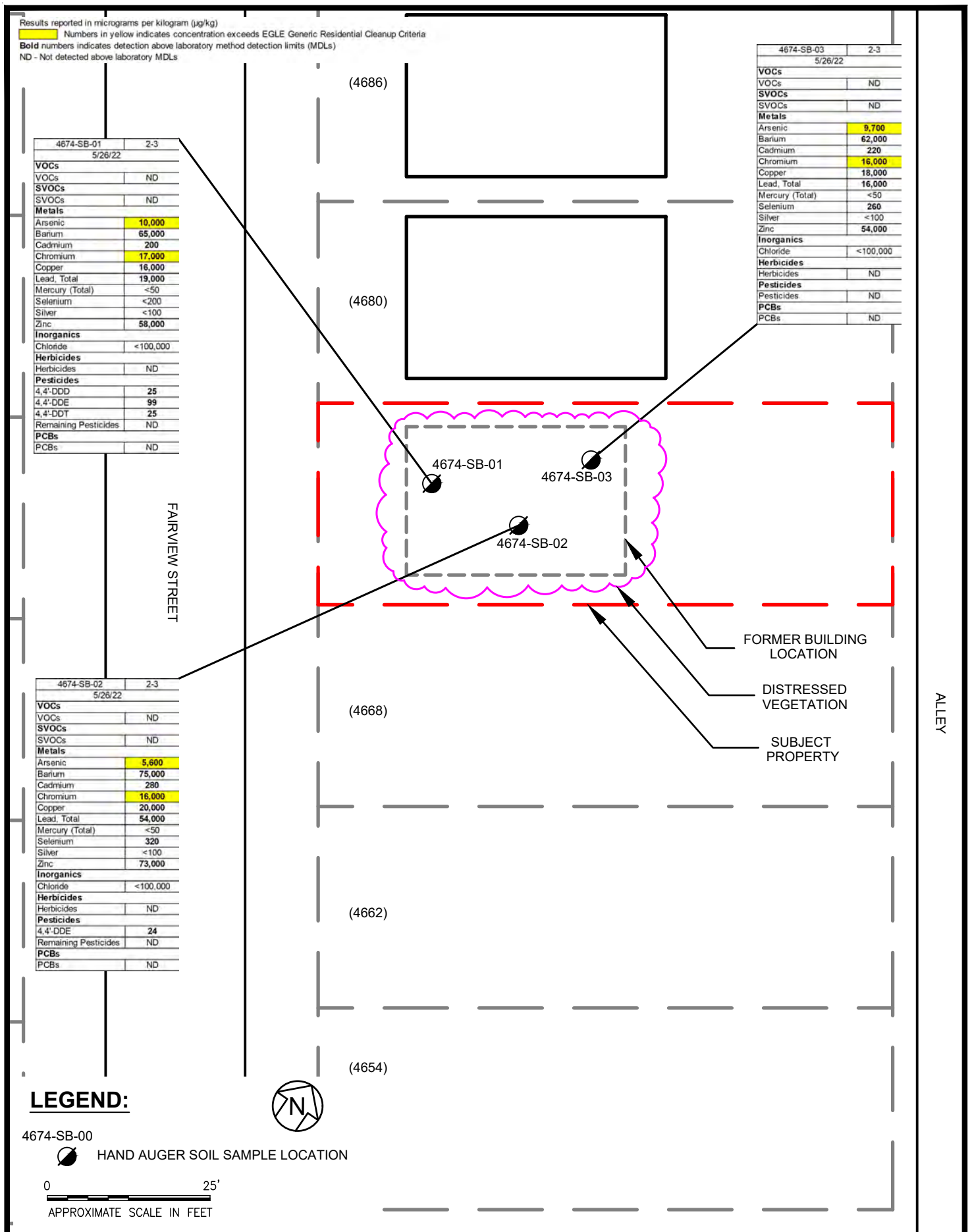
Temperature upon receipt at Lab: 3.8°C

Received On Ice

Please see back for terms and conditions

ATTACHMENT 6 – 4674 Fairview Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records



4674-SB-01	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	10,000
Barium	65,000
Cadmium	200
Chromium	17,000
Copper	16,000
Lead, Total	19,000
Mercury (Total)	<50
Selenium	<200
Silver	<100
Zinc	58,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4'-DDD	25
4,4'-DDE	99
4,4'-DDT	25
Remaining Pesticides	ND
PCBs	
PCBs	ND

4674-SB-02	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	5,600
Barium	75,000
Cadmium	280
Chromium	16,000
Copper	20,000
Lead, Total	54,000
Mercury (Total)	<50
Selenium	320
Silver	<100
Zinc	73,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4'-DDE	24
Remaining Pesticides	ND
PCBs	
PCBs	ND

4674-SB-03	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	9,700
Barium	62,000
Cadmium	220
Chromium	16,000
Copper	18,000
Lead, Total	16,000
Mercury (Total)	<50
Selenium	260
Silver	<100
Zinc	54,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

intertek psi

Environmental Services

1938 Franklin Street, Suite 101
Detroit, Michigan 48207
(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

4674 Fairview Street,
Detroit, Michigan 48214

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1
Drawn: A.Smak	Project Number: 01661734-14		

Table 1 – Summary of Soil Analytical Results

SITE NAME	4674 Fairview, Detroit, MI
Project No.	0166-1734

		EGLE Residential Cleanup Criteria (µg/kg)											
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
COMPOUND	**Chemical Abstract Service Number (CAS)**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria**	**Groundwater Surface Water Interface Protection Criteria**	**Soil Volatilization to Indoor Air Inhalation**	**Volatilization to Indoor Air Pathway - Screening Levels**	**Infinite Source Volatile Soil Inhalation Criteria (VSIC)**	**Particulate Soil Inhalation Criteria**	**Direct Contact Criteria**	**Soil Saturation Concentration Screening Levels**	**4674-SB-01**	**4674-SB-02**	**4674-SB-03**
Sample interval (feet)											2-3	2-3	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**10,000**	**5,600**	**9,700**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**65,000**	**75,000**	**62,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**200**	**280**	**220**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**17,000**	**16,000**	**16,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**16,000**	**20,000**	**18,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**19,000**	**54,000**	**16,000**
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	48,000	50 (M); 22	52,000	2.00E+07	160,000	NA	<50	<50	<50
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	<200	**320**	**260**
Silver (B)	7440224	1,000	4,500	100 (M); 27	NLV	NA	NLV	6.70E+06	2.50E+06	NA	<100	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**58,000**	**73,000**	**54,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
4,4'-DDD	72548	NA	NLL	NLL	NLV	NA	NLV	4.40E+07	95,000	NA	**25**	<20	<20
4,4'-DDE	72559	NA	NLL	NLL	NLV	39,000	NLV	3.20E+07	45,000	NA	**99**	**24**	<20
4,4'-DDT	50293	NA	NLL	NLL	NLV	NA	NLV	3.20E+07	57,000	NA	**25**	<20	<20
Remaining Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	ND	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
4674 Fairview Street
Detroit, Wayne County, MI 48214

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Typical Debris Found in Boring

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
		PROJECT NO.:	**0166-1734**
4674-SB-01	LOCATION: **4674 Fairview Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**14:10**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight	0.0
			construction debris (brick and concrete)	0.0
1			**CLAY -** brown, moist, soft, sandy	0.0
2		100%		0.0
			firm	0.0
3				
4				0.0
			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
		PROJECT NO.:	**0166-1734**
4674-SB-02	LOCATION: **4674 Fairview Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**14:20**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight	0.0
			construction debris (brick and concrete)	0.0
1			**CLAY -** brown, moist, soft, sandy	0.0
			organic materials	0.0
2		100%		0.0
			firm	0.0
3				0.0
4				
			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
		PROJECT NO.:	**0166-1734**
4674-SB-03	LOCATION: **4674 Fairview Street, Detroit, MI 48214**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**14:30**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight	0.0
			construction debris (brick and concrete)	0.0
1			**CLAY -** brown, moist, soft, sandy	0.0
2		100%		0.0
			stiff	0.0
3				
				0.0
4				
			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Thursday, June 09, 2022

Fibertec Project Number:	A08768
Project Identification:	Residential Properties, Detroit, MI (0166-1734 16) /0166-1734 16
Submittal Date:	05/27/2022

Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sue Ricketts at 12:06 PM, Jun 09, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08768
Laboratory Sample Number: A08768-001

Order: A08768
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**10000**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**65000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**200**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**17000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**16000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**19000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**58000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
7. 4,4'-DDD	**25**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
8. 4,4'-DDE	**99**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
9. 4,4'-DDT	**25**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E. Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S. Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 18:53	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 11:42	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:47	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08768-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
7. Bromoform	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	320	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08768-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
45. Styrene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	64	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 16:58	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	190	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	1900	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
33. Fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	3900	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
58. Phenanthrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
60. Pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	970	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 21:44	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08768-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 4674 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08768
Laboratory Sample Number: A08768-002

Order: A08768
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5600**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**75000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**280**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**16000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**20000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**54000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	**320**		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**73000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
8. 4,4'-DDE	**24**		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT

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Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 19:05	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 18:59	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fariview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:19	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08768-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
7. Bromoform	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08768-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
45. Styrene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	67	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 17:24	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
3. Aniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
4. Anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
11. Benzyl Alcohol	U	F-	µg/kg	3300	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
23. Chrysene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
34. Fluorene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
37. Hexachlorocyclopentadiene	U	F-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L- F-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 40. Isophorone	U	L+ F+	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 44. 3&4-Methylphenol	U	F-	µg/kg	660	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
52. N-Nitrosodimethylamine	U	L- F- *	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
57. Pentachlorophenol	U		µg/kg	800	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
59. Phenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
60. Pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
61. Pyridine	U	L- F-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 04:08	SN22F01C	ALS

Inorganic Anions by IC **Aliquot ID: A08768-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 4674 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:21	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08768
Laboratory Sample Number: A08768-003

Order: A08768
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**12**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9700**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**62000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**220**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**16000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**18000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**16000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	**260**		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**54000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 19:17	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/01/22 19:10	SF22F01A	TKT

Organochlorine Herbicides **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 21:52	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08768-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
7. Bromoform	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	320	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM

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Analytical Laboratory Report
Laboratory Project Number: A08768
Laboratory Sample Number: A08768-003

Order: A08768
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08768-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
45. Styrene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	63	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 17:50	VJ22E31A	KCM

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Analytical Laboratory Report
Laboratory Project Number: A08768
Laboratory Sample Number: A08768-003

Order: A08768
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
3. Aniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
4. Anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
23. Chrysene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
34. Fluorene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**4674 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (4674 Fairview)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 40. Isophorone	U	L+	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
57. Pentachlorophenol	U		µg/kg	800	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
59. Phenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
60. Pyrene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/01/22	PS22F01A	06/02/22 03:38	SN22F01C	ALS

Inorganic Anions by IC **Aliquot ID: A08768-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 4674 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:21	PW22E31E	06/01/22	W422F01A	CMB

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

*	:	Duplicate analysis not within control limits.
F-	:	Recovery from the spiked aliquot exceeds the lower control limit (matrix spike or matrix spike duplicate).
F+	:	Recovery from the spiked aliquot exceeds the upper control limit (matrix spike or matrix spike duplicate).
L-	:	Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+	:	Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+	:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Y1	:	Sample was diluted due to a sample matrix issue.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (4674 Fairview)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	14:30		4674 SB-01 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	14:35		4674 SB-02 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	14:40		4674 SB-03 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials: BP

Comments:

Sampled/Relinquished By:	Date/ Time	Received By: Richard James 5/27/22 15:51
Relinquished By: Fibertec courier	Date/ Time 5-28-22 0820	Received By:
Relinquished By: 5-28-22 0930	Date/ Time	Received By Laboratory: Blanca Powers 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A08268

Received On Ice

Temperature upon receipt at Lab: 3.8°C

Please see back for terms and conditions

ATTACHMENT 7 – 8059 Forestlawn Street

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records

Results reported in micrograms per kilogram (µg/kg)
Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria
Bold numbers indicates detection above laboratory method detection limits (MDLs)
ND - Not detected above laboratory MDLs

(8030) (8036) (8042) (8050)

ALLEY

8059-SB-03	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
Benzo(a)anthracene	440
Benzo(b)fluoranthene	730
Benzo(a)pyrene	490
Chrysene	510
Fluoranthene	880
Pyrene	700
Remaining SVOCs	ND
Metals	
Arsenic	6,800
Barium	100,000
Cadmium	240
Chromium	26,000
Copper	26,000
Lead, Total	23,000
Mercury (Total)	<50
Selenium	390
Silver	<100
Zinc	85,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCB 1248	660
Remaining PCBs	ND

CONSTRUCTION DEBRIS

FORMER BUILDING LOCATION

8059-SB-03

SUBJECT PROPERTY

8059-SB-02

8059-SB-01

8059-SB-02	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
Benzo(a)anthracene	540
Benzo(b)fluoranthene	850
Benzo(a)pyrene	580
Chrysene	560
Fluoranthene	1,100
Indeno(1,2,3-cd)pyrene	410
Pyrene	850
Remaining SVOCs	ND
Metals	
Arsenic	8,100
Barium	77,000
Cadmium	290
Chromium	18,000
Copper	24,000
Lead, Total	21,000
Mercury (Total)	<50
Selenium	430
Silver	<100
Zinc	76,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCB 1248	970
Remaining PCBs	ND

(8051) (8063) (8069)

8059-SB-01	2-2.5
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	8,500
Barium	200,000
Cadmium	630
Chromium	24,000
Copper	82,000
Lead, Total	140,000
Mercury (Total)	<50
Selenium	320
Silver	100
Zinc	210,000
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCB 1254	130
Remaining PCBs	ND

FORESTLAWN STREET

(8056) (8062) (8068)

LEGEND:

N

8059-SB-00
HAND AUGER SOIL SAMPLE LOCATION

0 25'
APPROXIMATE SCALE IN FEET

intertek psi
Environmental Services
1938 Franklin Street, Suite 101
Detroit, Michigan 48207
(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

8059 Forestlawn Street,
Detroit, Michigan 48234

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1
Drawn: A.Smak	Project Number: 01661734-15		

Table 1 – Summary of Soil Analytical Results

SITE NAME	8059 Forestlawn, Detroit, MI
Project No.	0166-1734

		EGLE Residential Cleanup Criteria (µg/kg)											
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
COMPOUND	**Chemical Abstract Service Number (CAS)**	**Statewide Default Background Levels**	**Residential Drinking Water Protection Criteria**	**Groundwater Surface Water Interface Protection Criteria**	**Soil Volatilization to Indoor Air Inhalation**	**Volatilization to Indoor Air Pathway - Screening Levels**	**Infinite Source Volatile Soil Inhalation Criteria (VSIC)**	**Particulate Soil Inhalation Criteria**	**Direct Contact Criteria**	**Soil Saturation Concentration Screening Levels**	**8059-SB-01**	**8059-SB-02**	**8059-SB-03**
Sample interval (feet)											**2-2.5'**	**2-3**	**2-3**
Date Sampled											**5/26/22**	**5/26/22**	**5/26/22**
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
Benzo(a)anthracene	56553	NA	NLL	NLL	NLV	1.60E+05	NLV	ID	20,000	NA	<330	**540**	**440**
Benzo(b)fluoranthene	205992	NA	NLL	NLL	ID	NA	ID	ID	20,000	NA	<330	**850**	**730**
Benzo(a)pyrene	50328	NA	NLL	NLL	NLV	NA	NLV	1.50E+06	2,000	NA	<330	**580**	**490**
Chrysene	218019	NA	NLL	NLL	ID	NA	ID	ID	2.00E+06	NA	<330	**560**	**510**
Fluoranthene	206440	NA	730,000	5,500	1.0E+9 (D)	NA	7.40E+08	9.30E+09	4.60E+07	NA	<330	**1,100**	**880**
Indeno(1,2,3-cd)pyrene	193395	NA	NLL	NLL	NLV	NA	NLV	ID	20,000	NA	<330	**410**	<420
Pyrene	129000	NA	480,000	ID	1.0E+9 (D)	2.50E+07	6.50E+08	6.70E+09	2.90E+07	NA	<330	**850**	**700**
Remaining SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**8,500**	**8,100**	**6,800**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**200,000**	**77,000**	**100,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**630**	**290**	**240**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**24,000**	**18,000**	**26,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**82,000**	**24,000**	**26,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**140,000**	**21,000**	**23,000**
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	48,000	50 (M); 22	52,000	2.00E+07	160,000	NA	<50	<50	<50
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	**320**	**430**	**390**
Silver (B)	7440224	1,000	4,500	**100 (M); 27**	NLV	NA	NLV	6.70E+06	2.50E+06	NA	**100**	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**210,000**	**76,000**	**85,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
ARO 1248	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	<100	**970**	**660**
ARO 1254	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	**130**	<100	<100
Remaining Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	**130**	**970**	**660**

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
8059 Forestlawn Street
Detroit, Wayne County, MI 48234

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Debris in Auger

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

The City of Detroit / Demolition Department
8059 Forestlawn Street
Detroit, Wayne County, MI 48234

View of Debris in Auger

View of Typical Debris Found in Boring

View of Typical Debris Found in Boring

View of Debris Found on Subject Property

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
8059-SB-01	LOCATION: **8059 Forrestlawn Street, Detroit, MI 48234**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**14:50**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~2.5` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
1		60-70%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			construction debris (brick and concrete)	0.0
			with gravel	0.0
2		10-20%	**CLAY -** brown, moist, soft with significant construction debris (brick, large concrete and sewer pipe)	0.0
				0.0
3			End of Boring - Refusal ~2.5' BGS	
4				
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
8059-SB-02	LOCATION: **8059 Forrestlawn Street, Detroit, MI 48234**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**15:05**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~3` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
1		75-80%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			construction debris (brick and concrete)	0.0
			with gravel	0.0
			CLAY - brown, moist, soft with gravel and construction debris	0.0
2		10-20%	significant construction debris (brick, large concrete and sewer pipe)	0.0
3				
4			End of Boring - Refusal ~3' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
8059-SB-03	LOCATION: **8059 Forrestlawn Street, Detroit, MI 48234**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**15:15**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**~3` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
0		75-80%	**TOPSOIL -** brown, moist, loose with trace organic materials	0.0
			construction debris (brick and concrete)	0.0
1			with gravel	0.0
			CLAY - brown, moist, soft with sand and construction debris	0.0
2		10-20%	significant construction debris (brick, large concrete and sewer pipe)	0.0
			with gravel	0.0
3			End of Boring - Refusal ~3' BGS	
4				
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Thursday, June 09, 2022

Fibertec Project Number:	A08767
Project Identification:	Residential Properties, Detroit, MI (0166-1734 16) /8059 Forrest Lawn)
Submittal Date:	05/27/2022

Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sue Ricketts at 1:14 PM, Jun 09, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08767
Laboratory Sample Number: A08767-001

Order: A08767
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**20**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8500**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**200000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**630**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**24000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**82000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**140000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	**320**		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	**100**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**210000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
9. 4,4'-DDT	U	V+	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E. Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S. Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 18:15	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
6. Aroclor-1254	**130**		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:19	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:09	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08767-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
7. Bromoform	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	360	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08767-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
45. Styrene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	72	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 15:40	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
2. Acenaphthylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
4. Anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 5. Azobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
6. Benzo(a)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
7. Benzo(a)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	210	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 18. Carbazole	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
21. 2-Chlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
23. Chrysene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
25. Dibenzofuran	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
27. Diethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
29. Dimethyl Phthalate	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	2100	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
33. Fluoranthene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
34. Fluorene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
35. Hexachlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
36. Hexachlorobutadiene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-01 (2-2.5')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:05**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U	L-	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 40. Isophorone	U	L+ V+	µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	4200	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
43. 2-Methylphenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
45. Naphthalene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
46. 2-Nitroaniline	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
49. Nitrobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
50. 2-Nitrophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L- Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
58. Phenanthrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
59. Phenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
60. Pyrene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
61. Pyridine	U	L- Y1	µg/kg	1000	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	5.0	06/02/22	PS22F01A	06/02/22 22:42	SN22F02B	ALS

Inorganic Anions by IC **Aliquot ID: A08767-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 8059 SB-01 (2-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08767
Laboratory Sample Number: A08767-002

Order: A08767
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**15**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8100**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**77000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**290**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**18000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**24000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**21000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	**430**		µg/kg	200	10	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**76000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
9. 4,4'-DDT	U	V+	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 18:27	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
5. Aroclor-1248	**970**		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:30	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 19:42	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08767-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
3. Benzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
7. Bromoform	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
9. 2-Butanone	U		µg/kg	750	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
10. n-Butylbenzene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
11. sec-Butylbenzene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
12. tert-Butylbenzene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
21. Dibromochloromethane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
27. 1,1-Dichloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
28. 1,2-Dichloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08767-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
32. 1,2-Dichloropropane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
33. cis-1,3-Dichloropropene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
34. trans-1,3-Dichloropropene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
40. Methylene Chloride	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
42. MTBE	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
45. Styrene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
48. Tetrachloroethene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
49. Toluene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
51. 1,1,1-Trichloroethane	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
53. Trichloroethene	U		µg/kg	68	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VJ22E31A	05/31/22 16:06	VJ22E31A	KCM

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
2. Acenaphthylene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
4. Anthracene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 5. Azobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
6. Benzo(a)anthracene	**540**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
7. Benzo(a)pyrene	**580**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
8. Benzo(b)fluoranthene	**850**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
9. Benzo(ghi)perylene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
10. Benzo(k)fluoranthene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
17. Di-n-butyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 18. Carbazole	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
20. 2-Chloronaphthalene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
21. 2-Chlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
23. Chrysene	**560**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
25. Dibenzofuran	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
26. 2,4-Dichlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
27. Diethyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
29. Dimethyl Phthalate	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	3900	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
33. Fluoranthene	**1100**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
34. Fluorene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
35. Hexachlorobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
36. Hexachlorobutadiene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 8059 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
38. Hexachloroethane	U	L-Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	**410**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 40. Isophorone	U	L+ Y1 V+	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	7900	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
42. 2-Methylnaphthalene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
43. 2-Methylphenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
45. Naphthalene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
46. 2-Nitroaniline	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
49. Nitrobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
50. 2-Nitrophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
58. Phenanthrene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
59. Phenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
60. Pyrene	**850**		µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
61. Pyridine	U	L-Y1	µg/kg	2000	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U	Y1	µg/kg	390	10	06/02/22	PS22F01A	06/02/22 23:12	SN22F02B	ALS

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08767
Laboratory Sample Number: A08767-002

Order: A08767
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08767-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 8059 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08767
Laboratory Sample Number: A08767-003

Order: A08767
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**20**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6800**		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
2. Barium	**100000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
3. Cadmium	**240**		µg/kg	50	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
4. Chromium	**26000**		µg/kg	500	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
5. Copper	**26000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
6. Lead	**23000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
7. Selenium	**390**		µg/kg	200	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA
9. Zinc	**85000**		µg/kg	1000	20	06/03/22	PT22F03D	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/01/22	PM22F01C	06/02/22	M722F02A	JLH

Organochlorine Pesticides **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
6. Chlordane	U		µg/kg	25	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
9. 4,4'-DDT	U	V+	µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
14. Endrin	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/01/22	PS22F01F	06/01/22 18:40	SO22F01A	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
5. Aroclor-1248	**660**		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/01/22	PS22F01F	06/06/22 15:42	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT
‡ 6. Dinoseb	U		µg/kg	100	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08767
Laboratory Sample Number: A08767-003

Order: A08767
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/08/22	PS22F02K	06/08/22 20:14	SC22F08A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08767-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
‡ 2. Acrylonitrile	U		µg/kg	150	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
3. Benzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
4. Bromobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
5. Bromochloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
6. Bromodichloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
7. Bromoform	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
8. Bromomethane	U		µg/kg	200	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
10. n-Butylbenzene	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
11. sec-Butylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
12. tert-Butylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
13. Carbon Disulfide	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
14. Carbon Tetrachloride	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
15. Chlorobenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
16. Chloroethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
17. Chloroform	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
18. Chloromethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
19. 2-Chlorotoluene	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
21. Dibromochloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
22. Dibromomethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
28. 1,2-Dichloroethane	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08767-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
32. 1,2-Dichloropropane	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
33. cis-1,3-Dichloropropene	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
35. Ethylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
36. Ethylene Dibromide	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
37. 2-Hexanone	U		µg/kg	2500	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
38. Isopropylbenzene	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
40. Methylene Chloride	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
42. MTBE	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
43. Naphthalene	U		µg/kg	330	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
44. n-Propylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
45. Styrene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
48. Tetrachloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
49. Toluene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
52. 1,1,2-Trichloroethane	U		µg/kg	73	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
53. Trichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
59. Vinyl Chloride	U		µg/kg	40	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
60. m&p-Xylene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
61. o-Xylene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC
‡ 62. Xylenes	U		µg/kg	150	1.0	06/01/22	VP22F01A	06/01/22 18:07	VP22F01A	BRC

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
2. Acenaphthylene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
3. Aniline	U	Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
4. Anthracene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 5. Azobenzene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
6. Benzo(a)anthracene	**440**		µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
7. Benzo(a)pyrene	**490**		µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
8. Benzo(b)fluoranthene	**730**		µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
9. Benzo(ghi)perylene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
10. Benzo(k)fluoranthene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
11. Benzyl Alcohol	U		µg/kg	3300	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
12. Bis(2-chloroethoxy)methane	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
13. Bis(2-chloroethyl)ether	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
15. 4-Bromophenyl Phenylether	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
16. Butyl Benzyl Phthalate	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
17. Di-n-butyl Phthalate	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 18. Carbazole	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
19. 4-Chloro-3-methylphenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
20. 2-Chloronaphthalene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
21. 2-Chlorophenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
22. 4-Chlorophenyl Phenylether	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
23. Chrysene	**510**		µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
24. Dibenzo(a,h)anthracene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
25. Dibenzofuran	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
26. 2,4-Dichlorophenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
27. Diethyl Phthalate	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
28. 2,4-Dimethylphenol	U	Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
29. Dimethyl Phthalate	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
30. 2,4-Dinitrophenol	U	Y1	µg/kg	4200	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 31. 2,4-Dinitrotoluene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 32. 2,6-Dinitrotoluene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
33. Fluoranthene	**880**		µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
34. Fluorene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
35. Hexachlorobenzene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
36. Hexachlorobutadiene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 8059 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
38. Hexachloroethane	U	L-Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
39. Indeno(1,2,3-cd)pyrene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 40. Isophorone	U	L+ Y1 V+	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ Y1	µg/kg	8300	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
42. 2-Methylnaphthalene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
43. 2-Methylphenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
45. Naphthalene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
46. 2-Nitroaniline	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
47. 3-Nitroaniline	U		µg/kg	830	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
48. 4-Nitroaniline	U		µg/kg	830	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
49. Nitrobenzene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
50. 2-Nitrophenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
51. 4-Nitrophenol	U	Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
52. N-Nitrosodimethylamine	U	L-Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
53. N-Nitrosodi-n-propylamine	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
54. N-Nitrosodiphenylamine	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
55. Di-n-octyl Phthalate	U	Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
57. Pentachlorophenol	U	V+ Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
58. Phenanthrene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
59. Phenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
60. Pyrene	**700**		µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
61. Pyridine	U	L-Y1	µg/kg	2100	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
63. 2,4,5-Trichlorophenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS
64. 2,4,6-Trichlorophenol	U	Y1	µg/kg	420	10	06/02/22	PS22F01A	06/03/22 00:11	SN22F02B	ALS

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08767
Laboratory Sample Number: A08767-003

Order: A08767
Date: 06/09/22

Client Identification:	**Intertek - PSI**	Sample Description:	**8059 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (8059 Forrest Lawn)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08767-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 8059 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:20	PW22E31E	06/01/22	W422F01A	CMB

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

L- : Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Y1 : Sample was diluted due to a sample matrix issue.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (8059 Forrest Lawn)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	15:05		8059 SB-01 (2-2.5')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	15:15		8059 SB-02 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	15:25		8059 SB-03 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials: BP

Comments:

Sampled/Relinquished By:	Date/ Time	Received By:
		Richard James 5/27/22 15:51
Relinquished By: Fibertec cooler	Date/ Time 5-28-22 0820	Received By:
Relinquished By:	Date/ Time 5-28-22 0930	Received By Laboratory: Bland Powers 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A08767

Temperature upon receipt at Lab: 3.8°C

Received On Ice

Please see back for terms and conditions

ATTACHMENT 8 – 19958 Greenview Avenue

Figure 1 – Soil Sample Location Map with Soil Analytical Results
Table 1 – Summary of Soil Analytical Results
Photographic Log; Boring Logs; and
Laboratory Analytical Reports and Chain of Custody Records

Results reported in micrograms per kilogram (µg/kg)

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

ND - Not detected above laboratory MDLs

19558-SB-01	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	**8,400**
Barium	**48,000**
Cadmium	**110**
Chromium	**18,000**
Copper	**16,000**
Lead, Total	**8,500**
Mercury (Total)	<50
Selenium	<200
Silver	<100
Zinc	**45,000**
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

19558-SB-03	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	**7,100**
Barium	**46,000**
Cadmium	**160**
Chromium	**20,000**
Copper	**19,000**
Lead, Total	**9,700**
Mercury (Total)	<50
Selenium	<200
Silver	<100
Zinc	**61,000**
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
Pesticides	ND
PCBs	
PCBs	ND

19558-SB-02	2-3
5/26/22	
VOCs	
VOCs	ND
SVOCs	
SVOCs	ND
Metals	
Arsenic	**9,800**
Barium	**65,000**
Cadmium	**340**
Chromium	**20,000**
Copper	**19,000**
Lead, Total	**42,000**
Mercury (Total)	<50
Selenium	**250**
Silver	<100
Zinc	**82,000**
Inorganics	
Chloride	<100,000
Herbicides	
Herbicides	ND
Pesticides	
4,4'-DDE	**23**
Remaining Pesticides	ND
PCBs	
PCBs	ND

(19968)

(19964)

(19952)

(19946)

(19942)

GREENVIEW AVENUE

ALLEY

19958-SB-01

19958-SB-03

19958-SB-02

DISTRESSED VEGETATION

FORMER BUILDING LOCATION

SUBJECT PROPERTY

N

LEGEND:

19958-SB-00 HAND AUGER SOIL SAMPLE LOCATION

0 25'

APPROXIMATE SCALE IN FEET

intertek psi

Environmental Services

1938 Franklin Street, Suite 101
Detroit, Michigan 48207

(248)957-9911 PHONE (248)957-9909 FAX

Soil Sample Location Map
With Analytical Results

19958 Greenview Avenue,
Detroit, Michigan 48219

Checked:	Scale:	Date:	Figure:
D. Hagerty	See Legend	6-16-2022	1

Drawn:	Project Number:
A.Smak	01661734-16

Table 1 – Summary of Soil Analytical Results

SITE NAME 19958 Greenview, Detroit, MI
Project No. 0166-1734

COMPOUND	Chemical Abstract Service Number (CAS)	EGLE Residential Cleanup Criteria (µg/kg)									19558-SB-01	19558-SB-02	19558-SB-03
			Groundwater Protection		Indoor Air		Ambient Air		Direct Contact				
		Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Soil Volatilization to Indoor Air Inhalation	Volatilization to Indoor Air Pathway - Screening Levels	Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Particulate Soil Inhalation Criteria	Direct Contact Criteria	Soil Saturation Concentration Screening Levels			
Sample interval (feet)											2-3	2-3	2-3
Date Sampled											5/26/22	5/26/22	5/26/22
VOCs													
VOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
SVOCs													
SVOCs	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Metals													
Arsenic (B)	7440382	5,800	**4,600**	**4,600**	NLV	NA	NLV	720,000	**7,600**	NA	**8,400**	**9,800**	**7,100**
Barium (B)	7440393	75,000	1,300,000	(G)	NLV	NA	NLV	3.30E+08	3.70E+07	NA	**48,000**	**65,000**	**46,000**
Cadmium (B)	7440439	1,200	6,000	(G,X)	NLV	NA	NLV	1.70E+06	550,000	NA	**110**	**340**	**160**
Chromium (B,H)	Varies	18,000	30,000	**3,300 (G,X)**	NLV	NA	NLV	260,000	2.50E+06	NA	**18,000**	**20,000**	**20,000**
Copper (B)	7440508	32,000	5,800,000	(G)	NLV	NA	NLV	1.30E+08	2.00E+07	NA	**16,000**	**19,000**	**19,000**
Lead, Total (B)	7439921	21,000	700,000	(G,X)	NLV	NA	NLV	1.00E+08	400,000	NA	**8,500**	**42,000**	**9,700**
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	48,000	50 (M); 22	52,000	2.00E+07	160,000	NA	<50	<50	<50
Selenium (B)	7782492	410	4,000	400	NLV	NA	NLV	1.30E+08	2.60E+06	NA	<200	**250**	<200
Silver (B)	7440224	1,000	4,500	100 (M); 27	NLV	NA	NLV	6.70E+06	2.50E+06	NA	<100	<100	<100
Zinc (B)	7440666	47,000	2,400,000	(G)	NLV	NA	NLV	ID	1.70E+08	NA	**45,000**	**82,000**	**61,000**
Inorganic Analysis													
Chloride	7782505	NA	5.00E+06	(X)	NLV	NA	NLV	ID	5.0E+5 (F)	NA	<100,000	<100,000	<100,000
Herbicides													
Herbicides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
Pesticides													
4,4'-DDE	72559	NA	NLL	NLL	NLV	39,000	NLV	3.20.E+07	45,000	NA	<20	**23**	<20
Remaining Pesticides	Varies	NA	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND
PCBs													
Total PCBs (J,T)	1336363	NA	NLL	NLL	3.00E+06	DATA	2.40E+05	5.20E+06	(T)	NA	ND	ND	ND

FOOTNOTES

Numbers in yellow indicates concentration exceeds EGLE Generic Residential Cleanup Criteria

Bold numbers indicates detection above laboratory method detection limits (MDLs)

Regional Default Background Levels obtained from Soil Background and Use of the 2005 Michigan Background Soil Survey

Volatilization to Indoor Air Pathway Screening Levels (VIAP-SLs) values obtained from EGLE Guidance Document for the Vapor Intrusion Pathway Ap D.1 September 4, 2020

(B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of µg/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, Subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and Subpart G of 40 C.F.R. §761 (July 1, 2001). Alternatives to compliance with the TSCA standards are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

"Data" Insufficent physical chemical parameters to calculate a VIAP screening level for specified media.

“ID” means insufficient data to develop criterion.

“NA” means a criterion or value is not available or, in the case of background and CAS numbers, not applicable.

“ND” means Not Detected above laboratory method detection limit.

“NLL” means hazardous substance is not likely to leach under most soil conditions.

“NLV” means hazardous substance is not likely to volatilize under most conditions.

"---" means no criteria established.

The City of Detroit / Demolition Department
19958 Greenview
Detroit, Wayne County, MI 48219

Front View of Subject Property

View of Subject Property

View of Subject Property

View of Material Found in Borings.

PSI Project No.: 0166-1734
Date: May 26, 2022

Prepared by:
Michael Angellotti

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	1 OF 3
		PROJECT NO.:	**0166-1734**
19958-SB-01	LOCATION: **19958 Greenview Avenue, Detroit, MI 48219**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**9:25**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight with trace organic material	0.0
			brown, moist, loose	0.0
1			**CLAY -** brown, moist, firm, sandy	0.0
2		100%		
3				0.0
			SAND - brown, fine grain, moist, loose	0.0
4			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	2 OF 3
19958-SB-02	LOCATION: **19958 Greenview Avenue, Detroit, MI 48219**	PROJECT NO.:	**0166-1734**
	DRILLING CO: **PSI**	PREPARED BY:	**M. Angellotti**
	DRILL CREW: **M. Angellotti/A. Smak**	DATE:	**May 26, 2022**
	DRILLING/TRENCHING METHOD: **Hand Auger**	TIME:	**9:35**
		DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight with trace organic material	0.0
			brown, moist, loose	0.0
1			**CLAY -** brown, moist, firm, sandy	0.0
2		100%	organic material	0.0
3			**SAND -** brown, fine grain, moist, loose	0.0
4			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

PSI SOIL BORING LOG

BORING/PIT No:	PROJECT NAME **16 Residential Properties, Detroit, MI**	SHEET	3 OF 3
		PROJECT NO.:	**0166-1734**
19958-SB-03	LOCATION: **19958 Greenview Avenue, Detroit, MI 48219**	PREPARED BY:	**M. Angellotti**
	DRILLING CO: **PSI**	DATE:	**May 26, 2022**
	DRILL CREW: **M. Angellotti/A. Smak**	TIME:	**9:45**
	DRILLING/TRENCHING METHOD: **Hand Auger**	DEPTH TO GROUNDWATER:	**NA**
		BORING DEPTH:	**4` BGS**

DEPTH	SAMPLE INTERVAL	RECOVERY		PID (PPM)
			TOPSOIL - brown, moist, tight with trace organic material	0.0
			brown, moist, loose	0.0
1			**CLAY -** brown, moist, firm, sandy	0.0
2		100%		0.0
3				0.0
4			End of Boring 4' BGS	
5				
6				
7				
8				
9				
10				

Fibertec environmental services

Wednesday, June 15, 2022

Fibertec Project Number:	A08777
Project Identification:	Residential Properties, Detroit, MI 0166-1734 16/19958 Greenview
Submittal Date:	05/27/2022

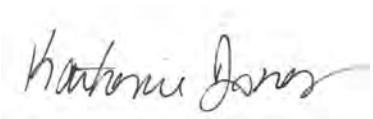
Mr. Kennan Robins
Intertek - PSI
37483 Interchange Dr.
Farmington Hills, MI 48335

Dear Mr. Robins,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



By Katherine Jones at 11:56 AM, Jun 15, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-001

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 19958 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**18**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 19958 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**8400**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**48000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**110**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**18000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**16000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**8500**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**45000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 19958 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/02/22	PM22F02A	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 19958 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 20:31	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:27	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:18	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08777-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
3. Benzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
4. Bromobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
7. Bromoform	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
8. Bromomethane	U		µg/kg	200	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
10. n-Butylbenzene	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
11. sec-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
12. tert-Butylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
13. Carbon Disulfide	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
14. Carbon Tetrachloride	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
15. Chlorobenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
16. Chloroethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
17. Chloroform	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
18. Chloromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
19. 2-Chlorotoluene	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
21. Dibromochloromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
22. Dibromomethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
28. 1,2-Dichloroethane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08777-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
32. 1,2-Dichloropropane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
33. cis-1,3-Dichloropropene	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
35. Ethylbenzene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
36. Ethylene Dibromide	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
37. 2-Hexanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
38. Isopropylbenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
40. Methylene Chloride	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
42. MTBE	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
43. Naphthalene	U		µg/kg	330	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
44. n-Propylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
45. Styrene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
48. Tetrachloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
49. Toluene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
52. 1,1,2-Trichloroethane	U		µg/kg	71	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
53. Trichloroethene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
54. Trichlorofluoromethane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
59. Vinyl Chloride	U		µg/kg	40	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
60. m&p-Xylene	U		µg/kg	100	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
61. o-Xylene	U		µg/kg	50	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART
‡ 62. Xylenes	U		µg/kg	150	1.0	05/31/22	VP22E31A	05/31/22 21:37	VP22E31A	ART

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 19958 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
2. Acenaphthylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
3. Aniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
4. Anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 5. Azobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
6. Benzo(a)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
7. Benzo(a)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
8. Benzo(b)fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
9. Benzo(ghi)perylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
10. Benzo(k)fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
11. Benzyl Alcohol	U	G+	µg/kg	3300	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
12. Bis(2-chloroethoxy)methane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
13. Bis(2-chloroethyl)ether	U	G+	µg/kg	100	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
14. Bis(2-ethylhexyl)phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
15. 4-Bromophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
16. Butyl Benzyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
17. Di-n-butyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 18. Carbazole	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
19. 4-Chloro-3-methylphenol	U	G+	µg/kg	280	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
20. 2-Chloronaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
21. 2-Chlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
22. 4-Chlorophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
23. Chrysene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
24. Dibenzo(a,h)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
25. Dibenzofuran	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
26. 2,4-Dichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
27. Diethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
28. 2,4-Dimethylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
29. Dimethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
30. 2,4-Dinitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 31. 2,4-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 32. 2,6-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
33. Fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
34. Fluorene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
35. Hexachlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
36. Hexachlorobutadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
38. Hexachloroethane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
39. Indeno(1,2,3-cd)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 40. Isophorone	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
42. 2-Methylnaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
43. 2-Methylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 44. 3&4-Methylphenol	U	G+	µg/kg	660	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
45. Naphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
46. 2-Nitroaniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
47. 3-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
48. 4-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
49. Nitrobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
50. 2-Nitrophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
51. 4-Nitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
52. N-Nitrosodimethylamine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
53. N-Nitrosodi-n-propylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
54. N-Nitrosodiphenylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
55. Di-n-octyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
57. Pentachlorophenol	U	V+ G+	µg/kg	800	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
58. Phenanthrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
59. Phenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
60. Pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
61. Pyridine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
63. 2,4,5-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS
64. 2,4,6-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 17:52	SN22F03A	ALS

Inorganic Anions by IC **Aliquot ID: A08777-001** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 19958 SB-01 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-001

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-01 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08777-001** **Matrix: Soil/Solid**

Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 19958 SB-01 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:23	PW22E31E	06/01/22	W422F01A	CMB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-002

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9800**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**65000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**340**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**20000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**19000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**42000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	**250**		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**82000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/02/22	PM22F02A	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
8. 4,4'-DDE	**23**		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 20:43	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:38	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-002

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 01:51	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08777-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
3. Benzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
4. Bromobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
5. Bromochloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
6. Bromodichloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
7. Bromoform	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
8. Bromomethane	U		µg/kg	200	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
10. n-Butylbenzene	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
11. sec-Butylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
12. tert-Butylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
13. Carbon Disulfide	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
14. Carbon Tetrachloride	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
15. Chlorobenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
16. Chloroethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
17. Chloroform	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
18. Chloromethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
19. 2-Chlorotoluene	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
21. Dibromochloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
22. Dibromomethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
28. 1,2-Dichloroethane	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08777-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
32. 1,2-Dichloropropane	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
33. cis-1,3-Dichloropropene	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
35. Ethylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
36. Ethylene Dibromide	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
37. 2-Hexanone	U		µg/kg	2500	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
38. Isopropylbenzene	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
40. Methylene Chloride	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
42. MTBE	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
43. Naphthalene	U		µg/kg	330	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
44. n-Propylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
45. Styrene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
48. Tetrachloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
49. Toluene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
52. 1,1,2-Trichloroethane	U		µg/kg	69	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
53. Trichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
59. Vinyl Chloride	U		µg/kg	40	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
60. m&p-Xylene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
61. o-Xylene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC
‡ 62. Xylenes	U		µg/kg	150	1.0	06/01/22	VP22F01A	06/01/22 18:33	VP22F01A	BRC

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-002

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 19958 SB-02 (2-3')**

							Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
2. Acenaphthylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
3. Aniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
4. Anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 5. Azobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
6. Benzo(a)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
7. Benzo(a)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
8. Benzo(b)fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
9. Benzo(ghi)perylene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
10. Benzo(k)fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
11. Benzyl Alcohol	U	G+	µg/kg	3300	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
12. Bis(2-chloroethoxy)methane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
13. Bis(2-chloroethyl)ether	U	G+	µg/kg	100	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
14. Bis(2-ethylhexyl)phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
15. 4-Bromophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
16. Butyl Benzyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
17. Di-n-butyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 18. Carbazole	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
19. 4-Chloro-3-methylphenol	U	G+	µg/kg	280	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
20. 2-Chloronaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
21. 2-Chlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
22. 4-Chlorophenyl Phenylether	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
23. Chrysene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
24. Dibenzo(a,h)anthracene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
25. Dibenzofuran	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
26. 2,4-Dichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
27. Diethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
28. 2,4-Dimethylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
29. Dimethyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
30. 2,4-Dinitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 31. 2,4-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 32. 2,6-Dinitrotoluene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
33. Fluoranthene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
34. Fluorene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
35. Hexachlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
36. Hexachlorobutadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS

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Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
37. Hexachlorocyclopentadiene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
38. Hexachloroethane	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
39. Indeno(1,2,3-cd)pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 40. Isophorone	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+ G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
42. 2-Methylnaphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
43. 2-Methylphenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 44. 3&4-Methylphenol	U	G+	µg/kg	660	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
45. Naphthalene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
46. 2-Nitroaniline	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
47. 3-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
48. 4-Nitroaniline	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
49. Nitrobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
50. 2-Nitrophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
51. 4-Nitrophenol	U	G+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
52. N-Nitrosodimethylamine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
53. N-Nitrosodi-n-propylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
54. N-Nitrosodiphenylamine	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
55. Di-n-octyl Phthalate	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
57. Pentachlorophenol	U	V+ G+	µg/kg	800	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
58. Phenanthrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
59. Phenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
60. Pyrene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
61. Pyridine	U	L- G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
63. 2,4,5-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS
64. 2,4,6-Trichlorophenol	U	G+	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:51	SN22F03A	ALS

Inorganic Anions by IC **Aliquot ID: A08777-002** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 19958 SB-02 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-002

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-02 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Inorganic Anions by IC **Aliquot ID: A08777-002** **Matrix: Soil/Solid**

Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 19958 SB-02 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	05/31/22 16:23	PW22E31E	06/01/22	W422F01A	CMB

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-003

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: 19958 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**16**		%	1	1.0	05/31/22	MC220531	06/01/22	MC220531	LJK

Michigan 10 Elements by ICP/MS **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: 19958 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	**7100**		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
2. Barium	**46000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
3. Cadmium	**160**		µg/kg	50	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
4. Chromium	**20000**		µg/kg	500	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
5. Copper	**19000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
6. Lead	**9700**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
7. Selenium	U		µg/kg	200	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
8. Silver	U		µg/kg	100	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA
9. Zinc	**61000**		µg/kg	1000	20	06/03/22	PT22F03C	06/03/22	T422F03B	CJA

Mercury by CVAAS **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: 19958 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	06/02/22	PM22F02A	06/02/22	M722F02B	JLH

Organochlorine Pesticides **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 19958 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
2. alpha-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
3. beta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
4. delta-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
6. Chlordane	U		µg/kg	25	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-003

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8081B **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
10. Dieldrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
14. Endrin	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
16. Heptachlor	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT
19. Toxaphene	U		µg/kg	170	5.0	06/02/22	PS22F02C	06/02/22 20:56	SO22F02B	TKT

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	06/02/22	PS22F02C	06/06/22 18:50	SF22F06A	TKT

Organochlorine Herbicides **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. 2,4-D	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT
‡ 2. Dalapon	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT
‡ 3. 2,4-DB	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT
‡ 4. Dicamba	U		µg/kg	100	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT
‡ 5. Dichlorprop	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT
‡ 6. Dinoseb	U	L-	µg/kg	100	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-003

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Herbicides **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 8151A **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 7. 2,4,5-T	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT
‡ 8. 2,4,5-TP	U		µg/kg	200	10	06/09/22	PS22F08G	06/14/22 02:23	SC22F13A	TKT

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08777-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
3. Benzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
4. Bromobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
5. Bromochloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
6. Bromodichloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
7. Bromoform	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
8. Bromomethane	U		µg/kg	200	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
10. n-Butylbenzene	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
11. sec-Butylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
12. tert-Butylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
13. Carbon Disulfide	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
14. Carbon Tetrachloride	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
15. Chlorobenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
16. Chloroethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
17. Chloroform	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
18. Chloromethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
19. 2-Chlorotoluene	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
21. Dibromochloromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
22. Dibromomethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
28. 1,2-Dichloroethane	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC

1914 Holloway Drive *Holt, MI 48842* *T: (517) 699-0345* *F: (517) 699-0388*
11766 E Grand River *Brighton, MI 48116* *T: (810) 220-3300* *F: (810) 220-3311*
8660 S Mackinaw Trail *Cadillac, MI 49601* *T: (231) 775-8368* *F: (231) 775-8584*
lab@fibertec.us

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: A08777-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
32. 1,2-Dichloropropane	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
33. cis-1,3-Dichloropropene	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
35. Ethylbenzene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
36. Ethylene Dibromide	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
37. 2-Hexanone	U		µg/kg	2500	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
38. Isopropylbenzene	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
40. Methylene Chloride	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
42. MTBE	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
43. Naphthalene	U		µg/kg	330	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
44. n-Propylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
45. Styrene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
48. Tetrachloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
49. Toluene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
52. 1,1,2-Trichloroethane	U		µg/kg	72	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
53. Trichloroethene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
59. Vinyl Chloride	U		µg/kg	40	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
60. m&p-Xylene	U		µg/kg	100	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
61. o-Xylene	U		µg/kg	50	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC
‡ 62. Xylenes	U		µg/kg	150	1.0	06/01/22	VP22F01A	06/01/22 19:00	VP22F01A	BRC

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-003

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 19958 SB-03 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
2. Acenaphthylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
3. Aniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
4. Anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 5. Azobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
6. Benzo(a)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
7. Benzo(a)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
11. Benzyl Alcohol	U		µg/kg	3300	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 18. Carbazole	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
21. 2-Chlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
23. Chrysene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
25. Dibenzofuran	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
27. Diethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
28. 2,4-Dimethylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
29. Dimethyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
33. Fluoranthene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
34. Fluorene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
35. Hexachlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
36. Hexachlorobutadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
37. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS

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Analytical Laboratory Report
Laboratory Project Number: A08777
Laboratory Sample Number: A08777-003

Order: A08777
Date: 06/15/22

Client Identification:	**Intertek - PSI**	Sample Description:	**19958 SB-03 (2-3')**	Chain of Custody:	**N/A**
Client Project Name:	**Residential Properties, Detroit, MI (0166-1734 16)**	Sample No:		Collect Date:	**05/26/22**
Client Project No:	**0166-1734 16**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 3550C/EPA 8270E **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Hexachloroethane	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 40. Isophorone	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
43. 2-Methylphenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 44. 3&4-Methylphenol	U		µg/kg	660	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
45. Naphthalene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
46. 2-Nitroaniline	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
47. 3-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
48. 4-Nitroaniline	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
49. Nitrobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
50. 2-Nitrophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
51. 4-Nitrophenol	U		µg/kg	830	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
52. N-Nitrosodimethylamine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
57. Pentachlorophenol	U	V+	µg/kg	800	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
58. Phenanthrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
59. Phenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
60. Pyrene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
61. Pyridine	U	L-	µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	06/03/22	PS22F03N	06/03/22 18:21	SN22F03A	ALS

Inorganic Anions by IC **Aliquot ID: A08777-003** **Matrix: Soil/Solid**
Method: EPA 0300.0 (Solids Prep)/EPA 9056A **Description: 19958 SB-03 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Chloride	U		µg/kg	100000	1.0	06/06/22 10:37	PW22F06A	06/07/22	W422F07A	AVC

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

G+ : Recovery of the associated Surrogate Compound exceeds the upper control limit. Results may be biased high.
L- : Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #

Client Name: Intertek-PSI

Contact Person: Kennan Robins

Project Name/ Number: 0166-1734 16 Residential Properties, Detroit, MI (19958 Greenview)

Email distribution list: kennan.robins@intertek.com; debra hagerty@intertek.com

Quote# 00000814 Intertek-PSI 042722 City of Detroit

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	MI 10 Metals	PCBs	Chloride	Pesticides	Herbicides				HOLD SAMPLE
5/26/22	09:40		19958 SB-01 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	09:50		19958 SB-02 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				
5/26/22	09:55		19958 SB-03 (2-3')	S	2	✓	✓	✓	✓	✓	✓	✓				

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
MAY 31 2022
Initials:

Comments:

Sampled/Relinquished By:	Date/ Time	Received By: Richard James 5/27/22 15:51
Relinquished By: Fibertec cooler	Date/ Time 5.28.22 0820	Received By:
Relinquished By: 5.28.22 0930	Date/ Time	Received By Laboratory: Brandy Powers 5/31/22 8:00

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

_____5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A08777

Temperature upon receipt at Lab: 3.8°C

Received On Ice

Please see back for terms and conditions