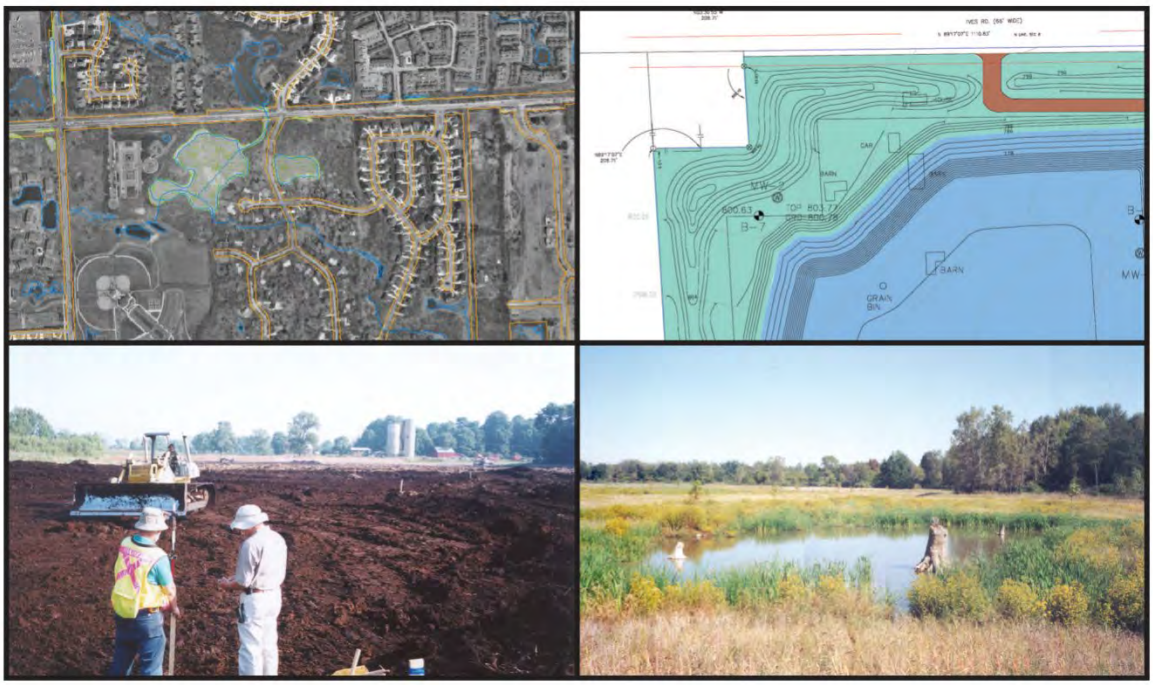
Baseline Environmental Assessment
Conducted Pursuant to Section 20126(1)(c)
of 1994 PA 451, Part 201, as amended

240-250 E. Grand Boulevard, 1005-1065 Field Street,
1070-1074 Field Street, 1083-1103 Field Street, &
1100-1108 Field Street
Detroit, Michigan

Field Street III Limited Dividend Housing Association, LLC

October 22, 2020

ASTI ENVIRONMENTAL



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240-250 E. Grand Boulevard, 1005-1065 Field Street, 1070-1074 Field Street, 1083-1103 Field Street, & 1100-1108 Field Street Detroit, Michigan

October 22, 2020

Prepared For:

Field Street III Limited Dividend Housing Association, LLC
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1.0 INTRODUCTION AND DISCUSSION

ASTI Environmental (ASTI) was retained by Field Street III Limited Dividend Housing Association (LDHA), LLC to prepare a Baseline Environmental Assessment (BEA) for the site located at 240-250 E. Grand Boulevard, 1005-1065 Field Street, 1070-1074 Field Street, 1083-1103 Field Street, and 1100-1108 Field Street in the City of Detroit, Wayne County, Michigan (Subject Property). A Site Location Map is provided as Figure 1. The BEA was conducted on October 22, 2020.

1.1 Owner Information

Field Street III LDHA, LLC intends to take ownership of the Subject Property in March of 2021. The contact information for Field Street III LDHA, LLC is as follows:

Field Street III LDHA, LLC
Richard Cannon
231 E, Grand Boulevard
Detroit, Michigan 48207
313-267-1010
rcannon@messiahhousing.org

1.2 Intended Use of Property

Field Street III LDHA, LLC intends to continue to use the Subject Property for residential purposes.

1.3 Executive Summary of AAI – Phase I ESA, November 13, 2019

ASTI was retained by Field Street III LDHA LLC to conduct a Phase I Environmental Site Assessment (ESA) of the Subject Property, and 10 nearby parcels, located on Field Street and E. Grand Boulevard in Detroit. The Phase I ESA was conducted in accordance with *American Society for Testing and Materials* (ASTM) Practice E1527-13 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Requirements for 2019.

The Phase I ESA included (1) a site inspection on October 24, 2019, (2) interviews with knowledgeable site contacts, (3) review of pertinent Michigan Department of Environment, Great Lakes, and Energy (EGLE), Department of Licensing and Regulatory Affairs (LARA), County, and Detroit information, (4) acquisition and review of a federal and Michigan database

search, (5) review of historical aerial photographs, Sanborn maps, and city directories, and (6) review of available information from the Federal Emergency Management Administration (FEMA), U.S Fish and Wildlife Service National Wetlands Inventory (NWI), and National Pipeline Mapping Service (NPMS).

The assessment revealed evidence of the following recognized environmental conditions (RECs) in connection with the Subject Property:

- Use of the south adjoining site for suspected dry cleaning at 7335 and 7345 E. Lafayette Avenue is representative of a REC. Dry cleaning solvents are commonly mismanaged and these locations are in close proximity to the Subject Property.
- Use of the west adjoining site for suspect dry cleaning at 1122 Field Street (SEC Field & Agnes) is representative of a REC. Dry cleaning solvents are commonly mismanaged and this location is in close proximity to the Subject Property.
- The west adjoining BEA site named Adult Well-Bring Services is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.

Additionally, ASTI identified the following significant data gap.

- At this site, there is no available information about the source of the backfill at historical developments. It is suspected that demolition debris would have been used as part of the backfilling process.

A copy of the Phase I ESA is included in Attachment A. Note that portions of the Phase I ESA were removed such as the radius map report and EGLE file information for submittal to the EGLE.

1.4 Exceptions to or Deletions from AAI/E1527-13

No deletions or deviations to ASTM E1527-13 occurred during the Phase I ESA.

1.5 Data Gaps

Data gaps were encountered during the course of the Phase I ESA consisting of the following.

- The Subject Property was developed prior to the earliest reasonably ascertainable standard historical sources.

- there is no available information about the source of the backfill at historical developments. It is suspected that demolition debris would have been used as part of the backfilling process.
- ASTI was unable to review EGLE records for three adjoining sites.
- Reviewed records demonstrate that fuel oil was historically used as a fuel source.

The lack of information on the backfill used after demolition of prior buildings is considered a significant data gap. The remaining data gaps were determined not to be significant because in ASTI's opinion other sources reviewed provided sufficient information regarding past use to identify RECs with respect to the Subject Property.

1.6 Sampling Completed

Phase II ESA, ASTI, April 2020

On April 6 and 8, 2020, ASTI supervised the completion of 19 soil borings (SB-2 and SB-3 and SB-5 through SB-21) at the Subject Property using a direct-push Geoprobe® drill rig. The soil borings were advanced to depths ranging from 7.5 to 12 feet bgs. A sample Location Map is provided as Figure 2. Boring/sample ID, boring/sample locations, and depth were as follows:

Boring/Sample ID	Boring/Sample Location	Depth of Boring
SB-2 and SB-3	On 1070-1074 Field Street parcel regarding backfill from former structures	8 feet
SB-5, SB-6 & SB-7	On 1100-1108 Field Street parcel regarding backfill from a former structure	8 feet
SB-8	On 1103 Field Street parcel regarding backfill from a former structure	8 feet
SB-9 & SB-10	On 1083-1095 Field Street parcel regarding backfill from a former structure	8 feet
SB-11	On 1067 Field Street parcel regarding backfill from a former structure	12 feet
SB-12, SB-13, & SB-14	On 1047-1065 Field Street parcel regarding backfill from a former structure	8 feet
SB-15	On 1027-1045 Field Street parcel regarding backfill from a former structure	8 feet
SB-16	On 1027-1045 Field Street parcel regarding backfill from a former structure	12 feet
SB-17 & SB-18	On 1005-1007 Field Street parcel regarding backfill from a former structure	8 feet
SB-19	On 240 E. Grand Boulevard parcel regarding backfill from a former structure	8 feet
SB-20	On 244 E. Grand Boulevard parcel regarding backfill from a former structure	8 feet

Boring/Sample ID	Boring/Sample Location	Depth of Boring
SB-21	On 246-250 E. Grand Boulevard parcel regarding backfill from a former structure	7.5 feet

The soil borings were advanced to depths of 7.5 or 12 feet bgs using a direct-push Geoprobe® drill rig. Soil was extracted from the ground in pre-cleaned, 4-foot-long, acetate liners. Soil encountered during field activities was identified by ASTI's field personnel, examined for visual and/or olfactory evidence of impact, and screened using a photoionization detector (PID) with notes recorded in a field logbook. Prior to sampling, the PID was calibrated to manufacturer specifications using 100 parts per million (ppm) isobutylene calibration gas. All down-hole equipment was decontaminated using an Alconox® wash and clean water rinse between borings to minimize the risk of cross contamination of samples. ASTI collected one soil sample from each soil boring. The soil samples were collected into laboratory certified clean, unpreserved 8-ounce glass jars and 40-ml glass vials preserved in the field with methanol, placed on ice, and submitted to Fibertec Environmental Services (Fibertec) in Holt, Michigan under standard chain-of-custody procedures.

The general subsurface lithology encountered in soil borings underlying surface cover (topsoil) consisted of fill soils comprising sand, silty-sand, or sandy-clay with some layers containing trace amounts of asphalt, brick, concrete, and wood, that extended to depths between 0.5 feet and 8 feet bgs. The fill materials were underlain by a stiff silty-clay stratum to the explored depth of the borings with the maximum depth of borings at 12 feet bgs. No odors or staining was observed in the soil borings and no VOCs were detected on the PID during screening of the soil cores. Refer to the boring logs included as Attachment B for more details on the encountered stratigraphy. No significant groundwater was encountered at the Subject Property during the subsurface investigation.

Duplicate soil samples were collected from soil borings SB-2, SB-14 along and a methanol blank sample was maintained with the samples during sampling and transport for quality assurance/quality control (QA/QC). The soil sample were analyzed for some combination of volatile organic compounds (VOCs) by US EPA Method 8260D; polynuclear aromatic hydrocarbons (PNAs) by US EPA Method 8270E; and RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) by US EPA Method 6020A and 7471B.

The EGLE Generic Residential Cleanup Criteria (GRCC) used for comparison of the soil analytical for the Subject Property under Part 201 of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended (Part 201) are the drinking water protection (DWP), groundwater surface water interface protection (GSIP), soil volatilization to indoor air inhalation (SVIAI), direct contact (DC), and particulate soil inhalation (PSI).

Table 1 presents the laboratory analytical results for the soil samples in comparison to the EGLE Part 201 GRCC.

Metals

The laboratory analytical reported the following metals in samples above the GRCC,

- Arsenic was detected in soil samples SB-2 and the associated duplicate (Dup1-S), SB-7 through SB-10, and SB-16 through SB-21, at concentrations exceeding the GRCC for DC and/or DWP and GSIP.
- Total chromium was reported in soil collected from soil borings SB-2 and SB-8 at concentrations above the GRCC for GSIP.
- Lead was reported in soil samples collected from soil borings SB-5, SB-9, and SB-20, at concentrations exceeding the GRCC for DWP and/or DC.
- Mercury was reported in soil samples collected from soil borings SB-5, SB-9, SB-12, and SB-21 at concentrations exceeding the GRCC for GSIP.
- Selenium was reported in soil collected from soil borings SB-5, SB-9, SB-18, SB-20, and SB-21 at concentrations exceeding the GRCC for GSIP.

PNAs

The PNA benzo(a)pyrene was reported in SB-21 (3-4') at a concentration above the GRCC for DC. In addition, naphthalene was detected in the sample at a concentration exceeding the GRCC for GSIP. No other PNAs were detected at concentrations exceeding the GRCC or VIAP in the soil samples.

VOCs

No VOCs were detected in the soil samples above the GRCC.

Additional Subsurface Investigation, ASTI, August 2020

On August 5-7 and 26, 2020, ASTI conducted an Additional Subsurface Investigation to determine the approximate extent of detections above the GRCC on the various parcels based

on the previous investigation results. ASTI advanced 36 soil borings (SB-31 through SB-67) at the Subject Property using a direct-push Geoprobe® drill rig. Up to three soil samples were collected from each soil boring location. A Sample Location Map is provided as Figure 2. Boring/sample ID, boring/sample locations, and depth were as follows.

Boring/Sample ID	Boring/Sample Location	Depth of Boring
SB-31 through SB-36 and SB-41	Soil borings at 240, 244, 246, and 250 E. Grand Boulevard regarding detections of metals, PNAs, and VOCs above GRCC/VIAP in sample SB-21	8 feet
SB-37 through SB-40	Soil borings at 242 and 248 E. Grand Boulevard regarding detections of metals above GRCC and detections of PNAs in sample SB-21	8 feet
SB-42 through SB-47	Soil borings at 1047-1065 Field Street regarding detections of metals above GRCC/VIAP in sample SB-12	8 feet
SB-48 through SB-52	Soil borings at 1070-1074 Field Street regarding detections of metals and PNAs above GRCC/VIAP in sample SB-2	8 feet
SB-53 through SB-57	Soil borings at 1083-1095 Field Street regarding detections of metals above GRCC/VIAP in sample SB-9	8 feet
SB-58 through SB-63	Soil borings at 1103 Field Street regarding detections of metals above GRCC in sample SB-8	8 feet
SB-64 through SB-67	Soil borings at 1090-1108 Field Street regarding detections of metals above GRCC/VIAP in sample SB-2	8 feet

The soil borings were advanced to depths of two or eight feet bgs with the Geoprobe® or stainless-steel hand auger. All down-hole equipment was decontaminated using an Alconox® wash and clean water rinse between borings to minimize the risk of cross contamination of samples. Soil encountered during field activities was characterized by ASTI's field personnel, examined for visual and/or olfactory evidence of impact, screened using a PID, and recorded in a field logbook. Prior to sampling, the PID was calibrated to manufacturer specifications using 100 ppm isobutylene calibration gas. No PID readings were encountered in the field during the sampling.

Soil samples were collected into laboratory certified clean jars for analysis of some combination of metals by US EPA Method 7471B and/or 6020A, PNAs US EPA Method 8270D, and VOCs analysis US EPA Method 8260C. All samples were placed on ice and submitted to Fibertec under standard chain of custody procedures. In addition, some samples were further analyzed for fine and coarse fraction lead and/or diesel range organics (DRO).

The results were compared to the GRCC. Analytical results reported the following compounds above the GRCC.

Metals

- Arsenic above the GRCC for DWP, GSIP, and/or DC in soil samples SB-31 (0-1.5'), SB-32 (0-1.5'), SB-33 (0-1.5'), SB-36 (0-1.5'), SB-37 (0-1.5'), SB-38 (0-1.5' and 2-3'), SB-39 (2-3') and the associated duplicate (Dup2-SB) , SB-40 (0-1.5'), SB-48 (0-1.5' and 1.5-2'), SB-50 (0-1.5' and 1.5-2'), SB-51 (0-1.5' and 1.5-2'), SB-52 (1.5-2'), SB-53 (2-3') and associated duplicate (Dup5-SB), SB-54 (2-3'), SB-55 (0-1.5'), SB-56 (0-1.5'), SB-57 (0-1.5'), SB-57 (2-3') and associated duplicate (Dup6-SB), SB-58 (0-1.5' and 1.5-2'), SB-60 (0-1.5' and 2-2.5'), SB-61 (0-1.5'), SB-62 (0-1.5'), SB-62 (2-2.5') and associated duplicate (Dup-7-SB), SB-63 (1.5-2'), and SB-66 (0-1.5' and 1.5-2').
- Lead above the GRCC for DWP and/or DC in soil samples SB-38 (2-3'), SB-40 (0-1.5'), SB-51 (1.5-2'), SB-53 (2-3') and associated duplicate (Dup5-SB), SB-54 (2-3'), SB-55 (0-1.5'), SB-59 (0-1.5'), SB-61 (0-1.5'), and SB-66 (1.5-2').
- Mercury above the GSIP in soil samples SB-32 (3-4'), SB-43 (1-2'), SB-44 (2-2.5'), SB-45 (1-2'), SB-46 (1-2'), SB-47 (1-2'), SB-53 (2-3') and associated duplicate (Dup5-SB), SB-54 (3-4'), and SB-66 (1.5-2 and 3-4').

PNAs

- Benzo(a)pyrene above the GRCC for DC in soil samples SB-31 (0-1.5'), SB-38 (2-3'), and SB-40 (0-1.5').
- Fluoranthene above the GRCC for GSIP in soil samples SB-38 (2-3') and SB-40 (0-1.5'),
- 2-Methylnaphthalene above the VAIP in soil sample SB-64 (0-1.5').
- Naphthalene above the VIAP in soil samples SB-31 (0-1.5')and SB-64 (0-1.5').
- Phenanthrene above the VIAP in soil samples SB-31 (0-1.5'), SB-38 (2-3'), SB-40 (0-1.5'), and SB-48 (0-1.5').

No VOCs were detected in samples above the GRCC.

Table 1 presents the laboratory analytical results for the soil samples in comparison to the applicable EGLE Part 201 GRCC. The laboratory analytical reports and chain of custody records are provided in Attachment C.

1.7 General Location of Known Contamination

Based on the analytical results obtained during the subsurface investigations at the Subject Property, the affected medium at the Subject Property is soil. A map depicting the sample locations is provided as Figure 2 and a map depicting the sample locations with soil analytical results above the GRCC is provided as Figures 3A through 3C.

1.8 Basis of Conclusion the Property is a Facility

Based on the concentrations of metals and PNAs in soil at the Subject Property above the GRCC, it is ASTI's opinion that the Subject Property is a “facility” as defined in Part 201 of Michigan’s Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended (Part 201).

2.0 PROPERTY INFORMATION

2.1 Legal Description of Property

The location of the Subject Property is indicated on a Site Location Map provided as Figure 1. The Subject Property is comprised of nine parcels with Parcel IDs 15007487-8, 15007484-6, 15007482-3, 15007478, 15007534, 17013520-1, 17013525-7, 15007479-80, and 15007533 located on Field Street in the City of Detroit, Wayne County, Michigan. A legal description of the Subject Property is included on the Survey Map in Attachment D.

2.2 Survey Map(s)

An ALTA/NSPS Land Title Survey Map of the Subject Property is provided in Attachment D. The Survey Map was completed by Kem-Tec on November 1, 2019. The legal description of the Subject Property is included on the Survey Map.

2.3 Scaled Site Map(s)

Scaled Soil Analytical Above GRCC Maps are provided as Figures 3A through 3C. The maps depict site structures, sample locations, and the detected contaminant concentrations in excess of the Part 201 GRCC.

2.4 Scaled Area Map

A scaled Site Location Map, based on a USGS quadrangle, is provided as Figure 1.

2.5 Property Location

The Subject Property (2.81 acres) is located on the east and west sides of Field Street and on the east side of E. Grand Boulevard, south of Agnes Street and north of Lafayette Street in the City of Detroit, Wayne County, Michigan in Section 3, Township 2 South and Range 12 East. The approximate center of the Subject Property is located at Latitude 42.353711° and Longitude -83.004019°.

2.6 Spatial Data

The following spatial data were provided on the BEA Submittal form.

County: Detroit
City/Village/Township: City of Detroit
Section: 3 Town: 2S Range: 12E
Quarter: Unknown Quarter-Quarter: Unknown

Decimal Degrees Latitude: 42.351570°

Decimal Degrees Longitude: -83.003152°

Latitude and longitude are referenced from the center of the Subject Property from the EDR Radius Map Report with GeoCheck, survey, and Google Earth.

3.0 FACILITY STATUS

3.1 Contaminant Table

Contaminant concentrations in soil at the Subject Property that exceed EGLE GRCC are summarized in the following table.

Table of Soil Analytical Results in Excess of EGLE GRCC

Sample Identification	Chemical Compound	CAS Number	GRCC Exceeded	Analytical Result (µg/kg)
SB-2 (1-2')	Arsenic	7440382	DWP, GSIP, & DC	7,900
	Chromium	16065831	GSIP	19,000
Dup1-S SB-2 (1-2')	Arsenic	7440382	DWP, GSIP, & DC	7,800
	Chromium	16065831	GSIP	19,000
SB-5 (1-2')	Lead	7440382	DC	1,020,000
	Mercury	Varies	GSIP	340
	Selenium	7782492	GSIP	550
SB-7 (1-2')	Arsenic	7440382	DWP & GSIP	6,500
SB-8 (1-2')	Arsenic	7440382	DWP, GSIP, & DC	8,600
	Chromium	16065831	GSIP	21,000
SB-9 (2-3')	Arsenic	7440382	DWP & GSIP	9,700
	Lead	7440382	DC	2,750,000
	Mercury	Varies	GSIP	250
	Selenium	7782492	GSIP	770
SB-10 (1-2')	Arsenic	7440382	DWP & GSIP	6,300
SB-12 (1-2')	Mercury	Varies	GSIP	170
SB-16 (7-8')	Arsenic	7440382	DWP & GSIP	6,000
SB-17 (1-2')	Arsenic	7440382	DWP & GSIP	6,800
SB-18 (1.5-2.5')	Arsenic	7440382	DWP & GSIP	6,800
	Mercury	Varies	GSIP	520
SB-20 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	8,500
	Lead	7440382	DC	482,000
	Selenium	7782492	GSIP	500
SB-21 (3-4')	Arsenic	7440382	DWP, GSIP, & DC	12,000
	Mercury	Varies	GSIP	200
	Selenium	7782492	GSIP	950
	Benzo(a)pyrene	50328	DC	2,600
	Naphthalene	91203	GSIP	1,600
SB-31 (1-2')	Arsenic	7440382	DWP, GSIP, & DC	8,400
	Benzo(a)pyrene	50328	DC	4,900
	Naphthalene	91203	GSIP	1,300
SB-32 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	13,000
SB-32 (3-4')	Mercury	Varies	GSIP	180
SB-33 (0-1.5')	Arsenic	7440382	DWP & GSIP	6,000
SB-36 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	11,000
SB-37 (0-1.5')	Arsenic	7440382	DWP & GSIP	7,300
SB-38 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	9,000
SB-38 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	9,700
	Phenanthrene	85018	GSIP	2,300,000

Sample Identification	Chemical Compound	CAS Number	GRCC Exceeded	Analytical Result (µg/kg)
SB-38 (2-3') Cont.	Lead	7440382	DC	2,300,000
	Benzo(a)pyrene	50328	DC	4,800
	Fluoranthene	206440	GSIP	12,000
	Phenanthrene	85018	GSIP	6,500
SB-39 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	8,100
Dup2-SB SB-32 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	7,900
SB-40 (0-1.5')	Arsenic	7440382	DWP & GSIP	7,300
	Lead	7440382	DC	470,000
	Benzo(a)pyrene	50328	DC	4,800
	Fluoranthene	206440	GSIP	8,800
	Phenanthrene	85018	GSIP	2,700
SB-43 (1-2')	Mercury	Varies	GSIP	290
SB-44 (2-2.5')	Mercury	Varies	GSIP	190
SB-45 (1-2')	Mercury	Varies	GSIP	310
SB-46 (1-2')	Mercury	Varies	GSIP	160
SB-44 (1-2')	Mercury	Varies	GSIP	190
SB-48 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	8,300
	Phenanthrene	85018	GSIP	2,400
SB-48 (1.5-2')	Arsenic	7440382	DWP & GSIP	11,000
SB-50 (0-1.5')	Arsenic	7440382	DWP & GSIP	6,300
SB-50 (1.5-2')	Arsenic	7440382	DWP & GSIP	7,500
SB-51 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	17,000
SB-51 (1.5-2')	Arsenic	7440382	DWP, GSIP, & DC	73,000
	Lead	7440382	DC	1,100,000
SB-52 (1.5-2')	Arsenic	7440382	DWP and GSIP	7,200
SB-53 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	16,000
	Lead	7440382	DC	940,000
	Mercury	Varies	GSIP	240
Dup5-SB SB-53 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	19,000
	Lead	7440382	DC	1,500,000
	Mercury	Varies	GSIP	360
SB-54 (2-3')	Arsenic	7440382	DWP & GSIP	6,500
	Lead	7440382	DC	3,800,000
SB-54 (3-4')	Mercury	Varies	GSIP	330
SB-55 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	8,500
	Lead	7440382	DC	3,200,000
SB-56 (0-1.5')	Arsenic	7440382	DWP & GSIP	6,800
SB-57 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	11,000
SB-57 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	11,000
Dup6-SB SB-57 (2-3')	Arsenic	7440382	DWP, GSIP, & DC	10,000
SB-58 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	10,000
SB-58 (1.5-2')	Arsenic	7440382	DWP, GSIP, & DC	12,000
SB-59 (0-1.5')	Lead	7440382	DC	409,000
SB-60 (0-1.5')	Arsenic	7440382	DWP & GSIP	6,000
SB-60 (2.5-3')	Arsenic	7440382	DWP, GSIP, & DC	9,700
SB-61 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	8,600
	Lead	7440382	DC	930,000

Sample Identification	Chemical Compound	CAS Number	GRCC Exceeded	Analytical Result (µg/kg)
SB-62 (0-1.5')	Arsenic	7440382	DWP, GSIP, & DC	9,900
SB-62 (2-2.5')	Arsenic	7440382	DWP, GSIP, & DC	12,000
Dup7-SB SB-62 (2-2.5')	Arsenic	7440382	DWP, GSIP, & DC	12,000
SB-63 (1.5-2')	Arsenic	7440382	DWP & GSIP	6,200
SB-64 (0-1.5')	Naphthalene	91203	GSIP	1,600
SB-66 (0-1.5')	Arsenic	7440382	DWP & GSIP	6,400
SB-66 (1.5-2')	Arsenic	7440382	DWP, GSIP, & DC	10,000
	Lead	7440382	DC	1,500,000
	Mercury	Varies	GSIP	640
SB-66 (1.5-2')	Mercury	Varies	GSIP	720

DWP - Drinking Water Protection
GSIP - Groundwater Surface Water Interface Protection
DC - Direct Contact

Refer to Figures 3A-C for Soil Sample Analytical Above GRCC Maps depicting the locations of the soil samples above the GRCC.

3.2 Laboratory Analytical Report

Complete analytical results (laboratory data sheets) for soil samples collected during the April and August 2020 sampling events are included in Attachment D.

4.0 IDENTIFICATION OF THE AUTHOR OF THE BEA

Mr. Brian Kuberski assumes the primary responsibility for the data assembly, interpretation, and technical conclusions for this BEA. Mr. Kuberski has 21 years of experience in Environmental Consulting including Phase I Environmental Site Assessments, Phase II Environmental Assessments, Baseline Environmental Assessments, and Leaking Underground Storage Tank Assessments. Mr. Kuberski has a Bachelor of Science in Natural Resource Planning and Management from the University of Michigan-Flint. Mr. Kuberski's current resume is included as Attachment E.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

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5.0 PHASE I ESA – AAI/ASTM E1527-13

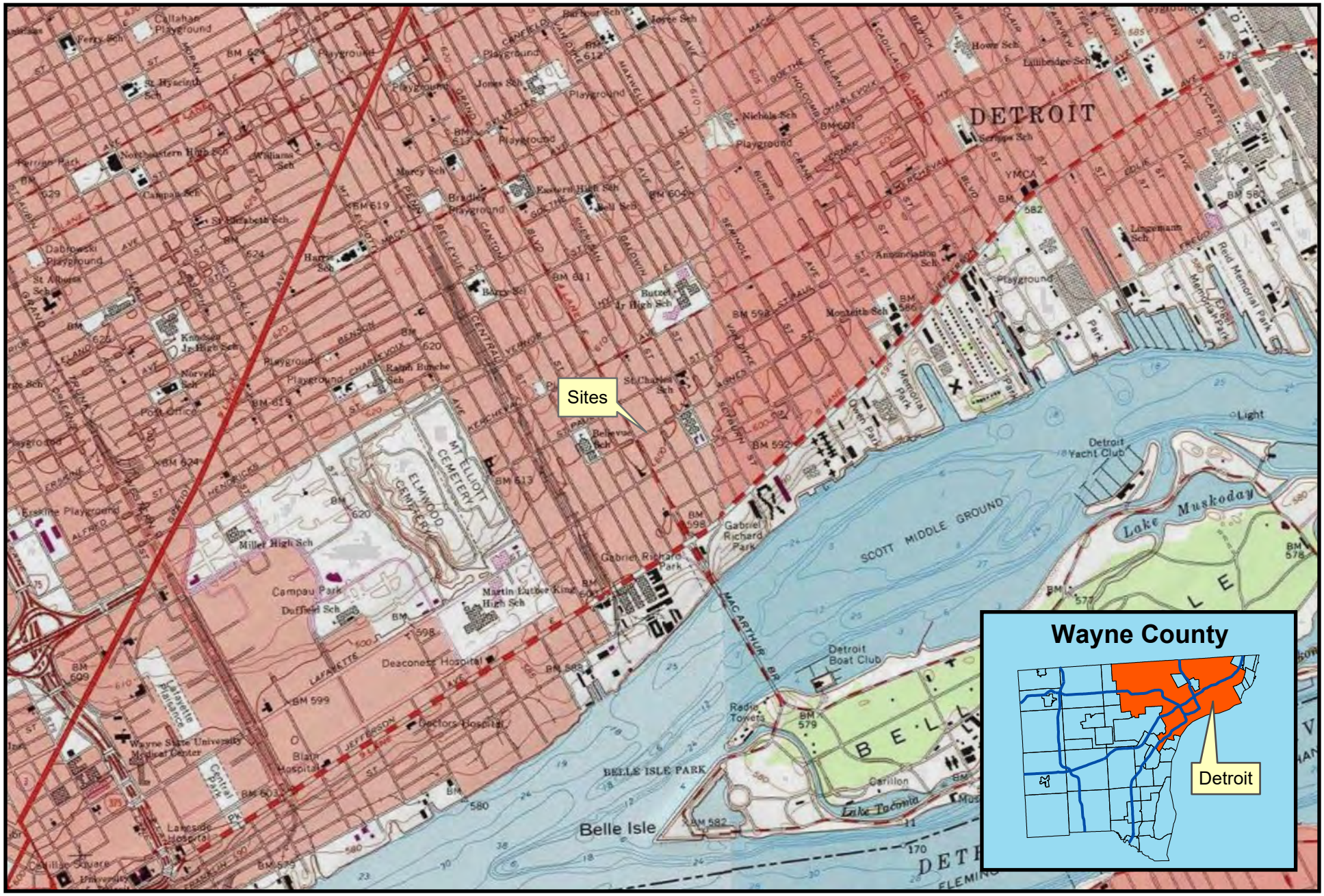
The Phase I ESA dated November 13, 2019 is attached in as Attachment A. The report considers hazardous substances as defined by Section 20101(1)(x). Portions of the Phase I ESA were removed for the BEA including the EDR Radius Report and information available at the EGLE as requested by EGLE for BEA submittals.

6.0 REFERENCES

The following references were used in preparing this BEA:

1. Part 201 of the Natural Resources and Environmental Protection Act, Act 451 of 1994, as amended
2. Michigan Department of Environmental Quality – Remediation and Redevelopment Division, Part 7 Environmental Contamination Response Activity, R 299.46: Generic Soil Cleanup Criteria for Residential Category, December 30, 2013, Updated June 25, 2018
3. ASTM Document E1527-13; "Standard Practice for Environmental Assessments; Phase I Environmental Assessment Process"
4. Environmental Protection Agency, 40 CFR Part 312, Standards and Practices for All Appropriate Inquires; Final Rule
5. Laboratory Analytical Reports, Fibertec Environmental Services, April 16, April 29, August 13, August 21, and August 26, 2020
6. Phase I Environmental Site Assessment, Field Street I & II, Field Street and E. Grand Boulevard, Detroit, Michigan, ASTI Environmental, November 13, 2019
7. ALTA/NSPS Land Title Survey, Kem-Tec, November 13, 2019

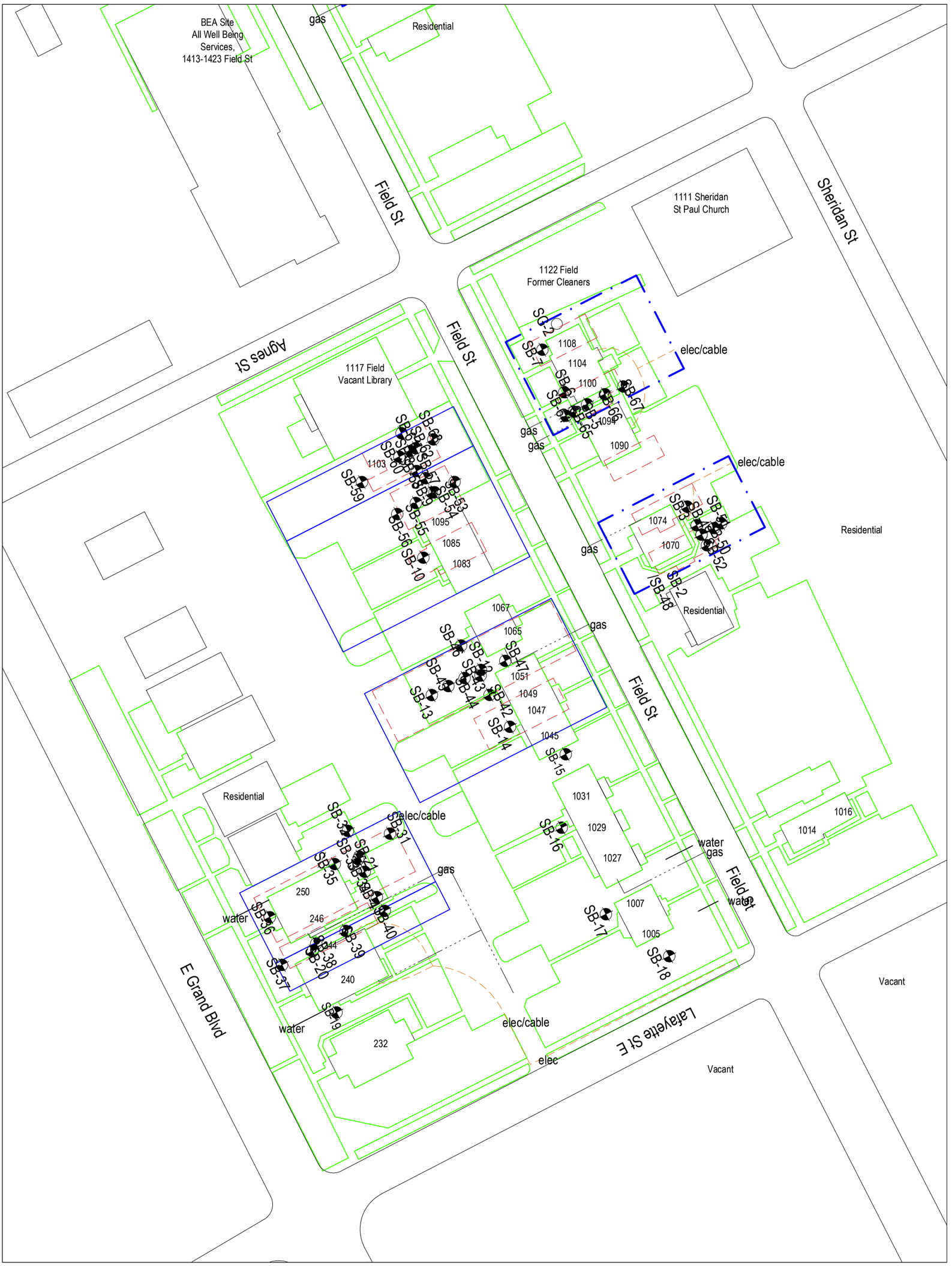
FIGURES



Field St. and E. Grand Blvd. Detroit, MI

Created for: Field Street III LDHA LLC
Created by: RMH, May 6, 2020, ASTI Project 1-11284

Figure 1 - Site Location Map



GRAPHIC SCALE
0 40 80 160
1 inch = 80 ft.
Paper Size = (11x17)

LEGEND
- Property Line
- Soil Gas
- Soil Boring
- Field Street 1
- Field Street 2
- Former Building Location

N

Field St. and E. Grand Blvd.

Detroit, MI

ASTI Environmental

Client: Field Street III LDHA LLC

Figure 2 - Sample Location Map

ASTI Project 1-11284, JRN, October 21, 2020

SB-21	4/6/2020 (3-4')
Arsenic	12,000 µg/kg
Mercury	200 µg/kg
Selenium	950 µg/kg
Remaining Metals	< GRCC
PNAs	
Benzo(a)pyrene	2,600 µg/kg
Naphthalene	1,600 µg/kg
Phenanthrene	2,000 µg/kg
Remaining PNAs	< GRCC/VIAP
VOCs	
Naphthalene	720 µg/kg
Remaining VOCs	< GRCC/VIAP

SB-31	8/5/2020 (0-1.5')
Arsenic	9,300 µg/kg
Lead	< GRCC
PNAs	
Benzo(a)pyrene	4,900 µg/kg
Naphthalene	1,300 µg/kg
Phenanthrene	2,000 µg/kg
Remaining PNAs	< GRCC

SB-31	8/5/2020 (3-4')
Mercury	< GRCC/VIAP
PNAs	ND
VOCs	ND

SB-41	8/5/2020 (0-1.5')
Arsenic	ND
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-41	8/5/2020 (3-4')
Mercury	ND
PNAs	ND

SB-40	8/5/2020 (0-1.5')
Arsenic	7,300 µg/kg
Lead	470,000 µg/kg
PNAs	
Benzo(a)pyrene	4,600 µg/kg
Fluoranthene	8,800 µg/kg
Phenanthrene	2,700 µg/kg
Remaining PNAs	< GRCC/VIAP

SB-40	8/5/2020 (2-3')
Arsenic	< GRCC
Lead	< GRCC
PNAs	ND

SB-39	8/5/2020 (0-1.5')
Arsenic	< GRCC
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-39	8/5/2020 (2-3')
Arsenic	8,100 µg/kg
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-39 DUP	8/5/2020 (2-3')
Mercury	7,900 µg/kg
PNAs	< GRCC/VIAP

SB-39	8/5/2020 (4.5-5')
Arsenic	< GRCC
Lead	< GRCC
PNAs	ND

SB-32	8/5/2020 (0-1.5')
Arsenic	13,000 µg/kg
Lead	< GRCC/VIAP
PNAs	< GRCC/VIAP

SB-32	8/5/2020 (3-4')
Mercury	180 µg/kg
PNAs	
Naphthalene	670 µg/kg
Remaining PNAs	< GRCC/VIAP
VOCs	ND

SB-20	4/6/2020 (2-3')
Arsenic	8,500 µg/kg
Lead	482,000 µg/kg
Selenium	500 µg/kg
Remaining Metals	< GRCC/VIAP
PNAs	< GRCC/VIAP
VOCs	< GRCC/VIAP

SB-19	4/6/2020 (1-2')
Arsenic	6,200 µg/kg
Remaining Metals	< GRCC/VIAP
PNAs	< GRCC/VIAP
VOCs	< GRCC/VIAP

SB-33	8/5/2020 (0-1.5')
Arsenic	6,000 µg/kg
PNAs	< GRCC/VIAP

SB-34	8/5/2020 (0-1.5')
Arsenic	< GRCC
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-35	8/5/2020 (0-1.5')
Arsenic	< GRCC
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-35	8/5/2020 (3-4')
Mercury	< GRCC/VIAP
PNAs	ND
VOCs	ND

SB-36	8/5/2020 (0-1.5')
Arsenic	11,000 µg/kg
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-36	8/5/2020 (3-4')
Mercury	< GRCC/VIAP
PNAs	< GRCC/VIAP
VOCs	ND

SB-37	8/5/2020 (0-1.5')
Arsenic	7,300 µg/kg
Lead	< GRCC
PNAs	< GRCC/VIAP
DRO	24,000 µg/kg

SB-37	8/5/2020 (2-3')
Arsenic	< GRCC
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-38	8/5/2020 (0-1.5')
Arsenic	9,000 µg/kg
Lead	< GRCC
PNAs	< GRCC/VIAP

SB-38	8/5/2020 (2-3')
Arsenic	9,700 µg/kg
Lead	2,300,000 µg/kg
PNAs	
Benzo(a)pyrene	4,800 µg/kg
Fluoranthene	12,000 µg/kg
Phenanthrene	6,500 µg/kg
Remaining PNAs	< GRCC

SB-38	8/5/2020 (4.5-5')
Arsenic	< GRCC
Lead	< GRCC
PNAs	ND

SB-31 SB-21 SB-32 SB-33 SB-34 SB-41 SB-40 SB-35 SB-39 SB-38 SB-20 SB-19 SB-36 SB-37

elec/cable gas elec/cable water water

Residential

250 246 244 240 232

E Grand Blvd

S St E

LEGEND

Property Line
Field Street 1
Field Street 2
Former Building Location
Soil Gas
Soil Boring

GRAPHIC SCALE
1 inch = 40 ft.
Paper Size = (11x17")
0 20 40 80

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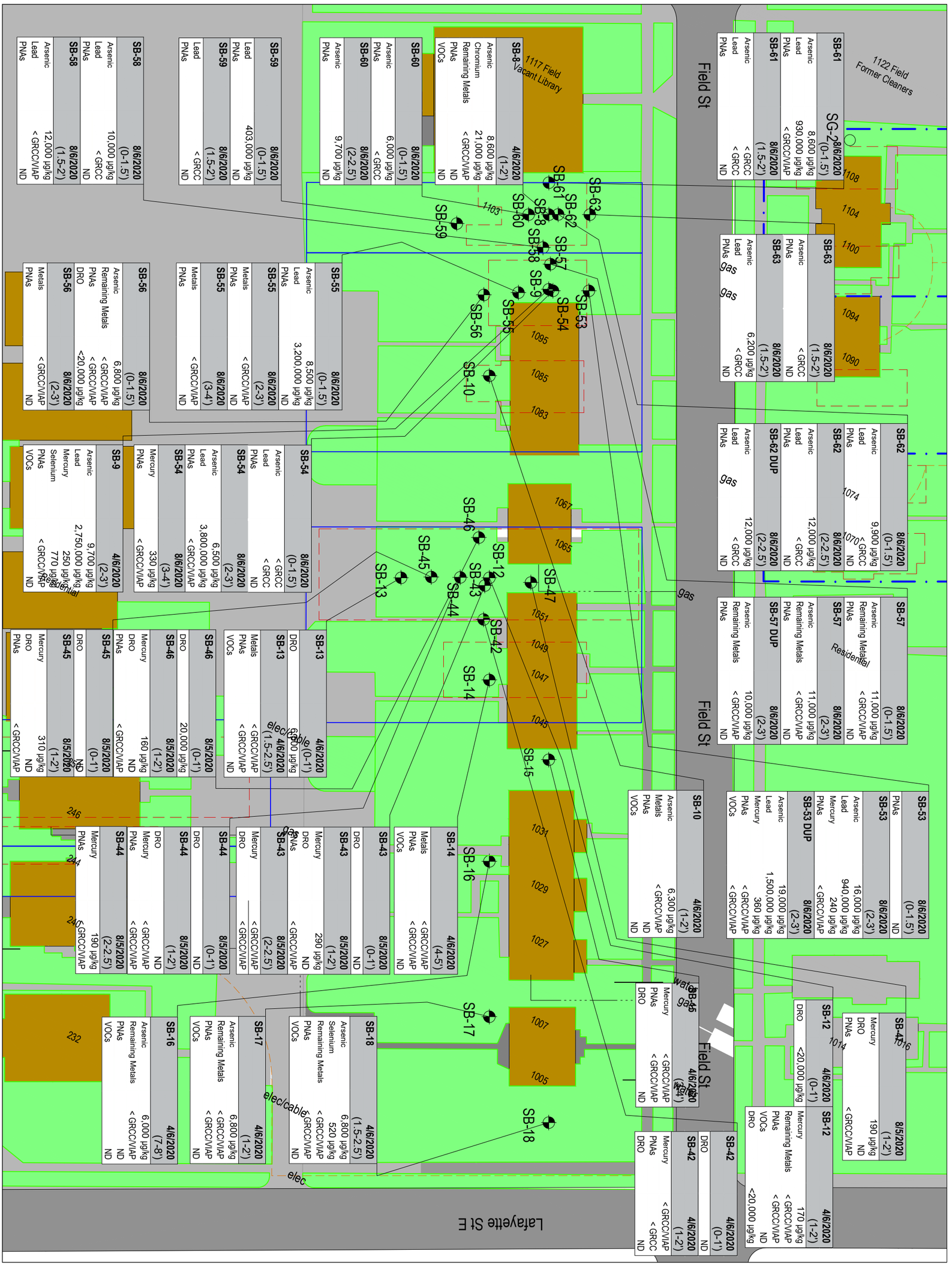
Figure 3A - Soil Analytical Above GRCC\VIAP Map

Field St. and E. Grand Blvd.

Detroit, MI

Client: Field Street III LDHA LLC

ASTI Project 1-11284, JRN, October 21, 2020



Field St. and E. Grand Blvd.

Detroit, MI

Client: Field Street III LDHA LLC

ASTI Project 1-11284, JRN, October 21, 2020

Figure 3B - Soil Analytical Above GRCC/VIAP Map

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SB-66	8/6/2020 (0-1.5')
Arsenic	6,400 µg/kg
Lead	< GRCC
PNAs	< GRCC/VIAP
SB-66	**8/6/2020 (1.5-2')**
Arsenic	10,000 µg/kg
Lead	1,500,000 µg/kg
Mercury	640 µg/kg
PNAs	< GRCC/VIAP
SB-66	**8/6/2020 (3-4')**
Mercury	720 µg/kg
Remaining Metals	< GRCC/VIAP
PNAs	ND

SB-67	8/5/2020 (0-1.5')
Metals	< GRCC
PNAs	ND
SB-67	**8/5/2020 (1.5-2')**
Metals	< GRCC
PNAs	ND

SB-4	8/5/2020 (4.5-5.5')
Metals	< GRCC/VIAP
PNAs	ND

SB-3	8/5/2020 (4.5-5.5')
Metals	< GRCC/VIAP
PNAs	ND

SB-49	8/5/2020 (0-1.5')
Metals	< GRCC/VIAP
PNAs	ND
SB-49	**8/5/2020 (1.5-2')**
Metals	< GRCC/VIAP
PNAs	ND

SB-51	8/5/2020 (0-1.5')
Arsenic	17,000 µg/kg
Lead	< GRCC/VIAP
PNAs	ND
SB-51	**8/5/2020 (1.5-2')**
Lead	73,000 µg/kg
Chromium	1,100,000 µg/kg
PNAs	ND

SB-50	8/5/2020 (0-1.5')
Arsenic	6,300 µg/kg
Lead	< GRCC/VIAP
PNAs	< GRCC/VIAP
SB-50	**8/5/2020 (1.5-2')**
Lead	< GRCC/VIAP
PNAs	ND

SB-52	8/5/2020 (0-1.5')
DRO	37,000 µg/kg
Metals	< GRCC/VIAP
PNAs	ND
SB-52	**8/5/2020 (1.5-2')**
Arsenic	7,200 µg/kg
Lead	< GRCC/VIAP
DRO	30,000 µg/kg
PNAs	< GRCC/VIAP

SB-7	4/6/2020 (1-2')
Arsenic	6,500 µg/kg
Remaining Metals	< GRCC/VIAP
PNAs	< GRCC/VIAP

SB-6	4/6/2020 (1.5-2.5')
Metals	< GRCC/VIAP
PNAs	< GRCC/VIAP
VOCs	ND

SB-64	8/6/2020 (0-1.5')
Metals	< GRCC
PNAs	
2-Methylnaphthalene	2,200 µg/kg
Naphthalene	1,600 µg/kg
Remaining PNAs	< GRCC/VIAP
DRO	20,000 µg/kg
SB-64	**8/6/2020 (1.5-2')**
Metals	< GRCC/VIAP
PNAs	ND

SB-65	8/6/2020 (0-1.5')
Metals	< GRCC
PNAs	ND
SB-65	**8/6/2020 (3-4')**
Metals	< GRCC/VIAP
PNAs	ND

SB-5	4/6/2020 (1-2')
Lead	1,020,000 µg/kg
Mercury	340 µg/kg
Selenium	550 µg/kg
Remaining Metals	< GRCC/VIAP
PNAs	< GRCC/VIAP
VOCs	< ND

SB-2	4/6/2020 (1-2')
Arsenic	7,900 µg/kg
Chromium	19,000 µg/kg
Remaining Metals	< GRCC/VIAP
PNAs	ND
VOCs	ND

SB-48	8/5/2020 (0-1.5')
Arsenic	8,300 µg/kg
Lead	< GRCC/VIAP
Phenanthrene	2,400 µg/kg
PNAs	< GRCC/VIAP
SB-48	**8/5/2020 (1.5-2')**
Arsenic	11,000 µg/kg
Lead	< GRCC/VIAP
PNAs	< GRCC/VIAP

LEGEND

Property Line
Field Street 1
Field Street 2
Former Building Location
Soil Gas
Soil Boring

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.
Paper Size = (11x17)

Field St. and E. Grand Blvd.

Detroit, MI

Client: Field Street III LDHA LLC

ASTI Project 1-11284, JRN, October 21, 2020

Figure 3C - Soil Analytical Above GRCC/VIAP Map

ASTI Environmental

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TABLES

Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

Parameters (µg/kg)	Statewide Default Background Levels*	Residential Drinking Water Protection Criteria*	Groundwater Surface Water Interface Protection Criteria*	Residential Soil Volatilization to Indoor Air Inhalation Criteria*	Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria*	Residential Direct Contact Criteria*	SB-2 (1-2') 4/6/2020 µg/kg	Dup1-S SB-2 (1-2') 4/6/2020 µg/kg	SB-3 (4.5-5.5') 4/6/2020 µg/kg	SB-4 (1-2') 4/6/2020 µg/kg	SB-5 (1-2') 4/6/2020 µg/kg	SB-6 (1.5-2.5') 4/6/2020 µg/kg	SB-7 (1-2') 4/6/2020 µg/kg	SB-8 (1-2') 4/6/2020 µg/kg	SB-9 (2-3') 4/6/2020 µg/kg	SB-10 (1-2') 4/6/2020 µg/kg	SB-12 (1-2') 4/6/2020 µg/kg	SB-13 (1.5-2.5') 4/6/2020 µg/kg	SB-14 (4-5') 4/6/2020 µg/kg	Dup2-S SB-14 (4-5') 4/6/2020 µg/kg	SB-15 (3-4') 4/6/2020 µg/kg
Metals																						
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	**7,900**	**7,800**	3,500	4,800	5,700	3,700	**6,500**	**8,600**	**9,700**	**6,300**	5,200	5,400	2,600	2,600	5,400
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	160,000	120,000	93,000	61,000	870,000	58,000	61,000	73,000	250,000	15,000	120,000	97,000	39,000	31,000	54,000
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	370	280	350	340	1,100	220	260	250	750	97	420	310	150	97	300
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	**19,000**	**19,000**	8,900	9,500	17,000	9,400	14,000	**21,000**	18,000	5,200	10,000	15,000	6,200	6,000	14,000
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	90,000	56,000	300,000	100,000	**710,000**	100,000	77,000	57,000	**780,000**	11,000	110,000	77,000	25,000	16,000	55,000
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	96,600	~	295,000	221,000	**840,000**	108,000	101,000	~	**1,110,000**	~	140,000	117,000	~	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	282,000	~	302,000	113,000	**1,020,000**	125,000	176,000	~	**2,750,000**	~	103,000	292,000	~	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	104,000	~	296,000	217,000	**868,000**	109,000	102,000	~	**1,180,000**	~	139,000	127,000	~	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	53	78	120	68	**340**	100	<50	<50	**250**	<50	**170**	<50	54	51	<50
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	260	320	210	270	**550**	220	<200	250	**770**	<200	210	210	<200	<200	<200
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	<100	<100	<100	<100	130	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
PNAs																						
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	360	<330	<330	<330	<330	950	<330	1,600	470	<330	<330	450
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	<330	<330	380	<330	<330	<330	<330	820	<330	1,200	350	<330	<330	400
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	<330	<330	570	370	<330	<330	<330	1,300	<330	2,100	510	360	<330	560
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	<330	<330	<330	<330	<330	<330	<330	490	<330	1,100	<330	<330	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	<330	<330	<330	<330	<330	<330	<330	440	<330	600	<330	<330	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	<330	<330	<330	<330	<330	<330	<330	860	<330	1,300	360	<330	<330	390
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	430	410	<330	770	560	<330	400	<330	1,600	<330	3,500	640	620	<330	860
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	<330	<330	<330	<330	570	<330	1,100	<330	<330	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	350	<330	400	390	<330	<330	<330	1,000	<330	1,000	<330	<330	<330	540
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	380	380	<330	660	490	<330	330	<330	1,500	<330	2,700	590	560	<330	840
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																						
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
m&p-Xylene	-	-	-	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL

*Per R299.46, June 25, 2018
**- Per EGLE Guidance Document For The Vapor Intrusion Pathway, Table 1. Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels, September 4, 2020
~ Parameter not tested for at his location.
ID-Inadequate data to develop criterion.
NA-Not available.
NLL-Hazardous substance is not likely to leach under most soil conditions.
NLV-Hazardous substance is not likely to volatilize under most conditions.
C-Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Csat)
D-Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0e+9 ppb.
DATA-Insufficent physical chemical parameters to claculate a VIAP screening level for specified media. If detections are present in specified media, health-based soil vapor value should be used to evaluate risk
G-Groundwater Surface Water Interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
M-Calculated criterion is below the analytical target detection limit, therefore, the criterions defaults to the target detection limit.
MM-Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-development adjustment factors for those carcinogenic chemicals identified as mutagenic
X-The Groundwater Surface Water Interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
DD-Hazardous substance causes developmental effects.
CS- Compound specific
<RL- Below reporting limit
Italicized analytical results excceeded one or more GRCC but the sample was collected in native material and the results were below the regional background level for that media

Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

Parameters (µg/kg)	Statewide Default Background Levels*	Residential Drinking Water Protection Criteria*	Groundwater Surface Water Interface Protection Criteria*	Residential Soil Volatilization to Indoor Air Inhalation Criteria*	Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria*	Residential Direct Contact Criteria*	SB-16 (7-8') 4/6/2020 µg/kg	SB-17 (1-2') 4/6/2020 µg/kg	SB-18 (1.5-2.5') 4/6/2020 µg/kg	SB-19 (1-2') 4/6/2020 µg/kg	SB-20 (2-3') 4/6/2020 µg/kg	SB-21 (3-4') 4/6/2020 µg/kg	Meth Blank 4/6/2020 µg/kg	SB-31 (0-1.5') 8/5/2020 µg/kg	SB-31 (3-4') 8/5/2020 µg/kg	SB-32 (0-1.5') 8/5/2020 µg/kg	SB-32 (3-4') 8/5/2020 µg/kg	SB-33 (0-1.5') 8/5/2020 µg/kg	SB-34 (0-1.5') 8/5/2020 µg/kg	SB-35 (0-1.5') 8/5/2020 µg/kg	Dup1-SB SB-35 (0-1.5') 8/5/2020 µg/kg
Metals																						
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	**6,000**	**6,800**	**6,800**	**6,200**	**8,500**	**12,000**	~	**9,300**	~	**13,000**	~	**6,000**	5,500	4,800	5,700
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	78,000	65,000	70,000	69,000	81,000	64,000	~	~	~	~	~	~	~	~	~
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	400	210	390	380	1,900	410	~	~	~	~	~	~	~	~	~
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	15,000	17,000	14,000	12,000	13,000	14,000	~	~	~	~	~	~	~	~	~
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	80,000	28,000	110,000	120,000	350,000	73,000	~	51,000	~	71,000	~	95,000	100,000	55,000	95,000
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	76,200	~	176,000	134,000	317,000	~	~	~	~	~	~	~	~	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	145,000	~	263,000	93,100	**482,000**	~	~	~	~	~	~	~	~	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	79,200	~	182,000	132,000	322,000	~	~	~	~	~	~	~	~	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	120	130	88	110	120	**200**	~	~	84	~	**180**	~	~	~	~
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	390	<200	**520**	240	**500**	**950**	~	~	~	~	~	~	~	~	~
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	<100	<100	<100	<100	190	<100	~	~	~	~	~	~	~	~	~
PNAs																						
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	360	~	350	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	<330	<330	<330	350	~	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	790	~	620	<330	<330	<330	<330	<330	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	370	350	560	700	2,500	~	3,100	<330	620	<330	<330	<330	<330	<330
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	<330	<330	460	480	**2,600**	~	**4,900**	<330	890	<330	390	<330	<330	<330
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	370	400	660	730	4,000	~	6,700	<330	1,500	350	540	470	340	420
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	<330	<330	<330	430	2,000	~	3,800	<330	770	<330	<330	<330	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	<330	<330	<330	<330	1,100	~	2,300	<330	450	<330	<330	<330	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	<330	<330	490	490	2,300	~	3,000	<330	620	<330	<330	<330	<330	<330
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	510	~	860	<330	<330	<330	<330	<330	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	<330	500	470	1,100	960	4,000	~	4,300	<330	920	410	490	570	360	400
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	440	2,200	~	4,200	<330	830	<330	<330	<330	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	<330	540	~	340	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	**1,600**	~	**1,300**	<330	520	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	<330	<330	660	500	2,000	~	2,000	<330	490	<330	<330	<330	<330	<330
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	<330	440	440	1,200	860	3,400	~	4,700	<330	930	410	540	560	370	360
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	~	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																						
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	<100	<100	<100	<100	<100	260	<100	~	<100	~	<100	~	~	~	~
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	720	<330	~	<330	~	670	~	~	~	~
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	<50	<50	<50	<50	<50	<50	<50	~	<50	~	<50	~	~	~	~
m&p-Xylene	-	-	-	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	~	<100	~	110	~	~	~	~
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	~	<RL	~	<RL	~	~	~	~

*Per R299.46, June 25, 2018
**- Per EGLE Guidance Document For The Vapor Intrusion Pathway, Table 1. Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels, September 4, 2020
~ Parameter not tested for at his location.
ID-Inadequate data to develop criterion.
NA-Not available.
NLL-Hazardous substance is not likely to leach under most soil conditions.
NLV-Hazardous substance is not likely to volatilize under most conditions.
C-Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Csat)
D-Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0e+9 ppb.
DATA-Insufficent physical chemical parameters to claculate a VIAP screening level for specified media. If detections are present in specified media, health-based soil vapor value should be used to evaluate risk
G-Groundwater Surface Water Interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
M-Calculated criterion is below the analytical target detection limit, therefore, the criterions defaults to the target detection limit.
MM-Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-development adjustment factors for those carcinogenic chemicals identified as mutagenic
X-The Groundwater Surface Water Interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
DD-Hazardous substance causes developmental effects.
CS- Compound specific
<RL- Below reporting limit
Italicized analytical results exceeded one or more GRCC but the sample was collected in native material and the results were below the regional background level for that media

Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

Parameters (µg/kg)	Statewide Default Background Levels*	Residential Drinking Water Protection Criteria*	Groundwater Surface Water Interface Protection Criteria*	Residential Soil Volatilization to Indoor Air Inhalation Criteria*	Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria*	Residential Direct Contact Criteria*	SB-35 (3-4') 8/5/2020 µg/kg	SB-36 (0-1.5') 8/5/2020 µg/kg	SB-36 (3-4') 8/5/2020 µg/kg	SB-37 (0-1.5') 8/5/2020 µg/kg	SB-37 (2-3') 8/5/2020 µg/kg	SB-38 (0-1.5') 8/5/2020 µg/kg	SB-38 (2-3') 8/5/2020 µg/kg	SB-38 (4.5-5') 8/5/2020 µg/kg	SB-39 (0-1.5') 8/5/2020 µg/kg	SB-39 (2-3') 8/5/2020 µg/kg	Dup2-SB SB-39 (2-3') 8/5/2020 µg/kg	SB-39 (4.5-5') 8/5/2020 µg/kg	SB-40 (0-1.5') 8/5/2020 µg/kg	SB-40 (2-3') 8/5/2020 µg/kg	SB-41 (0-1.5') 8/5/2020 µg/kg
Metals																						
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	~	**11,000**	~	**7,300**	3,700	**9,000**	**9,700**	2,100	5,800	**8,100**	**7,900**	4,800	**7,300**	3,600	4,700
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	64,000	~	70,000	24,000	19,000	**2,300,000**	4,300	82,000	85,000	270,000	5,000	**470,000**	29,000	32,000
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	59	~	84	~	~	~	~	~	~	~	~	~	~	~	~
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
PNAs																						
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	<330	370	<330	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	470	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	<330	1,300	<330	<330	<330	<330	<330	980	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	1,100	1,300	610	<330	390	4,700	<330	890	520	1,100	<330	4,800	<330	400
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	1,200	1,600	700	<330	<330	**4,800**	<330	860	410	990	<330	**4,600**	<330	380
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	1,900	2,100	1,100	340	360	7,000	<330	1,300	650	1,600	<330	7,600	<330	580
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	980	1,200	530	<330	<330	3,000	<330	600	340	690	<330	3,400	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	490	620	<330	<330	<330	2,600	<330	470	<330	540	<330	2,000	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	1,000	1,000	570	<330	<330	4,200	<330	930	400	1,100	<330	4,200	<330	<330
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	<330	770	<330	<330	<330	<330	<330	910	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	<330	2,300	1,900	1,400	420	380	**12,000**	<330	1,600	800	1,900	<330	**8,800**	330	930
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	1,000	1,200	550	<330	<330	3,500	<330	680	350	770	<330	3,600	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	450	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	1,100	450	720	<330	<330	**6,500**	<330	860	350	740	<330	**2,700**	<330	510
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	<330	2,300	2,700	1,300	410	420	11,000	<330	1,500	780	1,600	<330	8,500	<330	780
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																						
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	<100	~	<100	~	~	~	~	~	~	~	~	~	~	~	~
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	<330	~	<330	~	~	~	~	~	~	~	~	~	~	~	~
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	<50	~	<50	~	~	~	~	~	~	~	~	~	~	~	~
m&p-Xylene	-	-	-	-	-	-	-	<100	~	<100	~	~	~	~	~	~	~	~	~	~	~	~
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	<RL	~	<RL	~	~	~	~	~	~	~	~	~	~	~	~

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Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

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Metals																						
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	~	~	~	~	~	~	~	~	~	~	**8,300**	**11,000**	5,200	5,400	**6,300**
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	~	~	~~	~	~	~	~	~	~	~	~	~	~	~	~
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	73,000	38,000	170,000	5,400	58,000
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	~	~	167,000	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	~	~	129,000	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	~	~	~	~	~	~	~	~	160,000	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	<50	<50	**290**	100	130	**190**	110	**310**	**160**	**190**	~	~	~	~	~
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
PNAs																						
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	720	<330	<330	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	490	760	1,000	340	670	550	590	340	1,800	440	<330	<330	370
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	<330	<330	630	940	<330	490	400	400	<330	1,700	340	<330	<330	390
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	<330	460	1,000	1,300	500	830	530	640	<330	2,500	520	<330	<330	580
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	<330	<330	460	630	<330	<330	410	<330	<330	1,300	<330	<330	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	<330	<330	<330	460	<330	<330	<330	<330	<330	830	<330	<330	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	<330	<330	760	990	360	610	<330	450	<330	1,300	360	<330	<330	<330
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	<330	360	640	1,500	2,100	640	1,300	690	920	340	4,400	590	<330	<330	880
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	480	680	<330	360	<330	<330	<330	1,400	<330	<330	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	<330	<330	610	780	<330	540	<330	370	<330	**2,400**	<330	<330	<330	390
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	<330	<330	550	1,300	1,800	560	1,000	620	800	<330	4,100	560	<330	<330	770
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																						
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	<100	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	<330	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	<50	~	~	~	~	~	~	~	~	~	~	~	~	~	~
m&p-Xylene	-	-	-	-	-	-	-	<100	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	<RL	~	~	~	~	~	~	~	~	~	~	~	~	~	~

*Per R299.46, June 25, 2018
**- Per EGLE Guidance Document For The Vapor Intrusion Pathway, Table 1. Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels, September 4, 2020
~ Parameter not tested for at his location.
ID-Inadequate data to develop criterion.
NA-Not available.
NLL-Hazardous substance is not likely to leach under most soil conditions.
NLV-Hazardous substance is not likely to volatilize under most conditions.
C-Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Csat)
D-Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0e+9 ppb.
DATA-Insufficent physical chemical parameters to claculate a VIAP screening level for specified media. If detections are present in specified media, health-based soil vapor value should be used to evaluate risk
G-Groundwater Surface Water Interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
M-Calculated criterion is below the analytical target detection limit, therefore, the criterions defaults to the target detection limit.
MM-Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-development adjustment factors for those carcinogenic chemicals identified as mutagenic
X-The Groundwater Surface Water Interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
DD-Hazardous substance causes developmental effects.
CS- Compound specific
<RL- Below reporting limit
Italicized analytical results excceeded one or more GRCC but the sample was collected in native material and the results were below the regional background level for that media

Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

Parameters (µg/kg)	Statewide Default Background Levels*	Residential Drinking Water Protection Criteria*	Groundwater Surface Water Interface Protection Criteria*	Residential Soil Volatilization to Indoor Air Inhalation Criteria*	Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria*	Residential Direct Contact Criteria*	Dup4-SB SB-50 (0-1.5') 8/5/2020 µg/kg	SB-50 (1.5-2') 8/5/2020 µg/kg	SB-51 (0-1.5') 8/5/2020 µg/kg	SB-51 (1.5-2') 8/5/2020 µg/kg	SB-52 (0-1.5') 8/5/2020 µg/kg	SB-52 (1.5-2') 8/5/2020 µg/kg	Meth Blank 8/5/2020 µg/kg	SB-53 (0-1.5') 8/6/2020 µg/kg	SB-53 (2-3') 8/6/2020 µg/kg	Dup5-SB SB-53 (2-3') 8/6/2020 µg/kg	SB-54 (0-1.5') 8/6/2020 µg/kg	SB-54 (2-3') 8/6/2020 µg/kg	SB-54 (3-4') 8/6/2020 µg/kg	SB-55 (0-1.5') 8/6/2020 µg/kg	SB-55 (2-3') 8/6/2020 µg/kg
Metals																						
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	5,700	**7,500**	**17,000**	**73,000**	4,300	**7,200**	~	3,600	**16,000**	**19,000**	4,500	**6,500**	2,400	**8,500**	5,200
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	37,000	66,000	29,000	**1,100,000**	89,000	61,000	~	100,000	**940,000**	**1,500,000**	100,000	**3,800,000**	6,200	**3,200,000**	31,000
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	67,500	~	~	124,000	~	~	~	~	~	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	94,100	~	~	149,000	~	~	~	~	~	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	74,500	~	~	131,000	~	~	~	~	~	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	~	~	~	~	~	~	~	~	**240**	**360**	~	97	**330**	~	<50
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
PNAs																						
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	<330	580	~	<330	450	540	<330	<330	<330	<330	<330
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	<330	<330	<330	<330	550	~	<330	360	550	<330	<330	<330	<330	<330
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	<330	<330	<330	<330	810	~	<330	590	870	<330	<330	<330	<330	<330
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	<330	<330	<330	<330	430	~	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	<330	<330	<330	<330	590	~	<330	370	520	<330	<330	<330	<330	<330
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	330	<330	<330	<330	<330	1,200	~	<330	690	1,300	<330	<330	<330	<330	<330
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	<330	450	~	<330	<330	<330	<330	<330	<330	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	<330	~	<330	<330	<330	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	<330	<330	<330	<330	510	~	<330	340	790	<330	<330	<330	<330	<330
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	<330	<330	<330	<330	<330	1,000	~	<330	710	1,100	<330	<330	<330	<330	<330
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	~	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																						
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	~	~	~	~	~	~	<100	~	~	~	~	~	~	~	~
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	~	~	~	~	~	~	<330	~	~	~	~	~	~	~	~
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	~	~	~	~	~	~	<50	~	~	~	~	~	~	~	~
m&p-Xylene	-	-	-	-	-	-	-	~	~	~	~	~	~	<100	~	~	~	~	~	~	~	~
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	~	~	~	~	~	~	<RL	~	~	~	~	~	~	~	~

*Per R299.46, June 25, 2018
**- Per EGLE Guidance Document For The Vapor Intrusion Pathway, Table 1. Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels, September 4, 2020
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D-Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0e+9 ppb.
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M-Calculated criterion is below the analytical target detection limit, therefore, the criterions defaults to the target detection limit.
MM-Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-development adjustment factors for those carcinogenic chemicals identified as mutagenic
X-The Groundwater Surface Water Interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
DD-Hazardous substance causes developmental effects.
CS- Compound specific
<RL- Below reporting limit
Italicized analytical results excceeded one or more GRCC but the sample was collected in native material and the results were below the regional background level for that media

Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

Parameters (µg/kg)	Statewide Default Background Levels*	Residential Drinking Water Protection Criteria*	Groundwater Surface Water Interface Protection Criteria*	Residential Soil Volatilization to Indoor Air Inhalation Criteria*	Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria*	Residential Direct Contact Criteria*	SB-55 (3-4') 8/6/2020 µg/kg	SB-56 (0-1.5') 8/6/2020 µg/kg	SB-56 (2-3') 8/6/2020 µg/kg	SB-57 (0-1.5') 8/6/2020 µg/kg	SB-57 (2-3') 8/6/2020 µg/kg	Dup6-SB SB-57 (2-3') 8/6/2020 µg/kg	SB-58 (0-1.5') 8/6/2020 µg/kg	SB-58 (1.5-2') 8/6/2020 µg/kg	SB-59 (0-1.5') 8/6/2020 µg/kg	SB-59 (1.5-2') 8/6/2020 µg/kg	SB-60 (0-1.5') 8/6/2020 µg/kg	SB-60 (2-2.5') 8/6/2020 µg/kg	SB-61 (0-1.5') 8/6/2020 µg/kg	SB-61 (1.5-2') 8/6/2020 µg/kg	SB-62 (0-1.5') 8/6/2020 µg/kg
Metals																						
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	3,500	**6,800**	2,300	**11,000**	**11,000**	**10,000**	**10,000**	**12,000**	5,500	3,700	**6,000**	**9,700**	**8,600**	2,600	**9,900**
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	4,900	100,000	9,400	56,000	28,000	34,000	54,000	13,000	100,000	45,000	130,000	42,000	**930,000**	80,000	45,000
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	164,000	~	~	~	~	~	~	**409,000**	~	~	~	~	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	385,000	~	~	~	~	~	~	393,000	~	~	~	~	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	209,000	~	~	~	~	~	~	**403,000**	~	~	~	~	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	<50	~	<50	~	<50	59	~	~	~	~	~	~	~	~	~
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
PNAs																						
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	350	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	350	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	590	<330	<330	<330	<330	<330	<330	<330	<330	340	<330	430	<330	<330
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	<330	740	<330	<330	<330	<330	<330	<330	<330	<330	430	<330	760	<330	<330
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	350	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	480	<330	<330
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	<330	700	<330	<330	<330	<330	<330	<330	<330	<330	410	<330	630	<330	<330
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																						
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
m&p-Xylene	-	-	-	-	-	-	-	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~

*Per R299.46, June 25, 2018
**- Per EGLE Guidance Document For The Vapor Intrusion Pathway, Table 1. Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels, September 4, 2020
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ID-Inadequate data to develop criterion.
NA-Not available.
NLL-Hazardous substance is not likely to leach under most soil conditions.
NLV-Hazardous substance is not likely to volatilize under most conditions.
C-Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Csat)
D-Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0e+9 ppb.
DATA-Insufficent physical chemical parameters to claculate a VIAP screening level for specified media. If detections are present in specified media, health-based soil vapor value should be used to evaluate risk
G-Groundwater Surface Water Interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
M-Calculated criterion is below the analytical target detection limit, therefore, the criterions defaults to the target detection limit.
MM-Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-development adjustment factors for those carcinogenic chemicals identified as mutagenic
X-The Groundwater Surface Water Interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
DD-Hazardous substance causes developmental effects.
CS- Compound specific
<RL- Below reporting limit
Italicized analytical results excceeded one or more GRCC but the sample was collected in native material and the results were below the regional background level for that media

Table 1 Summary of Soil Sample Analytical Results
Field Street & Grand Boulevard, Detroit, MI
ASTI File No. 1-11284

Parameters (µg/kg)	Statewide Default Background Levels*	Residential Drinking Water Protection Criteria*	Groundwater Surface Water Interface Protection Criteria*	Residential Soil Volatilization to Indoor Air Inhalation Criteria*	Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria*	Residential Direct Contact Criteria*	SB-62 (2-2.5') 8/6/2020 µg/kg	Dup7-SB SB-62 (2-2.5') 8/6/2020 µg/kg	SB-63 (0-1.5') 8/6/2020 µg/kg	SB-63 (1.5-2') 8/6/2020 µg/kg	SB-64 (0-1.5') 8/6/2020 µg/kg	SB-64 (1.5-2') 8/6/2020 µg/kg	SB-65 (0-1.5') 8/6/2020 µg/kg	SB-65 (3-4') 8/6/2020 µg/kg	SB-66 (0-1.5') 8/6/2020 µg/kg	SB-66 (1.5-2') 8/6/2020 µg/kg	SB-66 (3-4') 8/6/2020 µg/kg	SB-67 (0-1.5') 8/6/2020 µg/kg	Dup8-SB SB-67 (0-1.5') 8/6/2020 µg/kg	SB-67 (1.5-2') 8/6/2020 µg/kg
Metals																					
Arsenic	**5,800**	**4,600**	**4,600**	NLV	NLV	720,000	**7,600**	**12,000**	**12,000**	5,600	**6,200**	5,700	1,200	5,000	2,000	**6,400**	**10,000**	1,000	2,000	1,300	610
Barium	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Cadmium	1,200	6,000	(G,X)	NLV	NLV	1,700,000	550,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Chromium, Total	**18,000 (total)**	**30,000**	**3,300**	NLV	NLV	260,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Lead	**21,000**	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	16,000	29,000	18,000	91,000	160,000	9,600	230,000	4,100	380,000	**1,500,000**	19,000	66,000	48,000	1,600
Lead, Coarse Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	118,000	~	~	~	~	~	~	~	~	~
Lead, Fine Fraction	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	159,000	~	~	~	~	~	~	~	~	~
Lead, Total (Calculated)	21,000	**700,000**	(G,X)	NLV	NLV	100,000,000	**400,000**	~	~	~	~	140,000	~	~	~	~	~	~	~	~	~
Mercury, Total	**130**	1,700	**50 (M); 1.2**	48,000	52,000	20,000,000	160,000	~	~	~	~	~	58	~	<50	~	**640**	**720**	~	~	<50
Selenium	**410**	4,000	**400**	NLV	NLV	130,000,000	2,600,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Silver	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~
PNAs																					
Acenaphthene	NA	300,000	8,700	190,000,000	81,000,000	14,000,000,000	41,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Acenaphthylene	NA	5,900	ID	1,600,000	2,200,000	2,300,000,000	1,600,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Anthracene	NA	41,000	ID	1,000,000,000 (D)	1,400,000,000	67,000,000,000	230,000,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Benzo(a)anthracene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	<330	<330	<330	<330	340	610	<330	<330	<330	<330
Benzo(a)pyrene	NA	NLL	NLL	NLV	NLV	1,500,000	**2,000**	<330	<330	<330	<330	<330	<330	<330	<330	<330	820	<330	<330	<330	<330
Benzo(b)fluoranthene	NA	NLL	NLL	ID	ID	ID	20,000	<330	<330	<330	<330	350	<330	<330	<330	390	1,100	<330	<330	<330	<330
Benzo(g,h,i)perylene	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	1,500	<330	<330	<330	<330
Benzo(k)fluoranthene	NA	NLL	NLL	NLV	NLV	ID	200,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330
Chrysene	NA	NLL	NLL	ID	ID	ID	2,000,000	<330	<330	<330	<330	360	<330	<330	<330	<330	580	<330	<330	<330	<330
Dibenzo(a,h)anthracene	NA	NLL	NLL	NLV	NLV	ID	2,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	340	<330	<330	<330	<330
Fluoranthene	NA	730,000	**5,500**	1,000,000,000 (D)	740,000,000	9,300,000,000	46,000,000	<330	<330	<330	<330	470	<330	<330	<330	<330	1,100	<330	<330	<330	<330
Indeno(1,2,3-cd)pyrene	NA	NLL	NLL	NLV	NLV	ID	20,000	<330	<330	<330	<330	<330	<330	<330	<330	<330	1,000	<330	<330	<330	<330
2-Methylnaphthalene	NA	57,000	4,200	2,700,000	1,500,000	670,000,000	8,100,000	<330	<330	<330	<330	2,200	<330	<330	<330	<330	<330	<330	<330	<330	<330
Naphthalene	NA	35,000	**730**	250,000	300,000	200,000,000	16,000,000	<330	<330	<330	<330	**1,600**	<330	<330	<330	<330	<330	<330	<330	<330	<330
Phenanthrene	NA	56,000	**2,100**	2,800,000	160,000	6,700,000	1,600,000	<330	<330	<330	<330	980	<330	<330	<330	380	600	<330	<330	<330	<330
Pyrene	NA	480,000	ID	1,000,000,000 (D)	650,000,000	6,700,000,000	29,000,000	<330	<330	<330	<330	510	<330	<330	<330	580	1,000	<330	<330	<330	<330
Remaining PNAs	CS	CS	CS	CS	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
VOCs																					
1,2-Dichlorobenzene	NA	14,000	280	11,000,000 (C)	39,000,000	100,000,000,000	19,000,000 (C)	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Naphthalene	NA	35,000	730	250,000	300,000	200,000,000	16,000,000	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Trichloroethylene	NA	100	4,000 (X)	1,000	25,000	130,000,000	110,000 (DD)	~	~	~	~	~	~	~	~	~	~	~	~	~	~
m&p-Xylene	-	-	-	-	-	-	-	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Remaining VOCs	CS	CS	CS	CS	CS	CS	CS	~	~	~	~	~	~	~	~	~	~	~	~	~	~

*Per R299.46, June 25, 2018
**- Per EGLE Guidance Document For The Vapor Intrusion Pathway, Table 1. Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels, September 4, 2020
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Italicized analytical results excceeded one or more GRCC but the sample was collected in native material and the results were below the regional background level for that media

ATTACHMENTS

Attachment A

Phase I Environmental Site Assessment
ASTI Environmental, November 13, 2019

Phase I Environmental Site Assessment
Field Street I & II
Field Street and E. Grand Boulevard
Detroit, Michigan

Field Street III Limited Dividend Housing Association LLC

November 13, 2019

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SECTION IX **2019 MSHDA PHASE I SUMMARY COVER SHEET**

Project Name:	Field Street I & II		
Project Address:	Field Street and E. Grand Boulevard		
Sponsors Name:	Field Street III LDHA LLC	Sponsor E-mail:	jliddell@mhthousing.ne
Consulting Firm:	ASTI Environmental		
Consultant Phone:	(810)225-2800	E-mail:	pchapman@asti-env.com
Consultant Project #:	11284	Report Date:	November 13, 2019

Additional Site Info (please complete if known)

Site area:	4.49	# Units planned:	Rehab
Vacant land: ☐	Developed: ☒	If developed, # existing buildings:	17
Vacant Structure(s): ☐	# vacant	Date(s) of construction for existing structures:	1908 (1 apartment) 1992-97 (16 townhomes)
Single Site: ☐	Scattered sites: ☒	If scattered, # sites:	7
Rehab of existing structure(s): ☒		New Construction with planned demolition of existing structure(s): ☐	
Adaptive Re-Use: ☐		New Construction without planned demolition of existing structure(s): ☐	
No physical changes planned: ☒		Comments:	Vacant Land

Please answer all questions below, noting the appropriate page or appendix in your report that contains the supporting documentation. **Summary Cover Sheets containing unknown or incomplete responses will not be processed and will be returned for correction.**

1. Report Findings

a. The site contains a wetland area(s). ☐ Yes ☒ No Pg. 37
(See requirements in Sec. IV, H.6)

b. The site or a portion of the site is in the Special Flood Hazard Area.
☐ Yes ☒ No Pg. 37
(See requirements in Sec. IV, H.5)

c. The site contains a UST(s) or AST(s). ☒ Yes ☐ No Pg. 1
(See requirements in Sec. IV, I)

d. **RECs** - The Phase I ESA revealed a REC(s). ☒ Yes ☐ No Pg. 1
(See requirements in Sec. IV)

e. **EMF** - There are high power electrical transmission lines within 500 feet of the subject site.

☐ Yes ☒ No Pg. 37

(See requirements in Sec. IV, H.7)

f. **HP GAS** - There are buried high-pressure gas transmission lines (4" in diameter and 400 psi or greater) within 1000 feet of the subject site. ☐ Yes ☒ No Pg.37

(See requirements in Sec. IV, H.8)

g. **NOISE -** The subject site is near a busy roadway or within 1000 feet of a limited access freeway or 3000 feet of a rail line, or within 15 miles of an airport. ☐ Yes ☒ No Pg. 38

Was a noise assessment performed?

☐ Yes ☐ No

(See requirements in Sec. IV, H.9)

h. **ASBESTOS** - A NESHAP-compliant asbestos survey is required for every MSHDA renovation/remodeling project, regardless of the date of construction. Was a NESHAP-compliant asbestos survey performed for this renovation/remodeling project?

☐ Yes ☒ No Pg. 37

If Yes, were any asbestos containing materials(ACM) identified?

☐ Yes ☐ No

(See requirements in Sec. IV, H.1)

i. **LEAD** - For structures built before January 1, 1978, a combination lead Risk Assessment/Inspection satisfying state and federal requirements is required. Was a combination lead Risk Assessment/Inspection performed?

☐ Not required: Vacant Land

☐ Yes ☒ No Pg. 37

If Yes, was Lead Based Paint identified?

☐ Yes ☐ No

(See requirements in Sec. IV, H.2)

j. **RADON -** For developments in EPA Radon Zone 1 counties (Branch, Calhoun, Cass, Hillsdale, Jackson, Kalamazoo, Lenawee, St. Joseph, and Washtenaw) was a radon assessment conducted by a Radon Professional was performed?

☒ Not required: Not in EPA Radon Zone 1 county

☐ Yes ☐ No

If Yes, was Radon identified above the EPA action level?

☐ Yes ☐ No

(See requirements in Sec. IV, H.4)

k. A "Recorded Land Records" search was performed? ☐ Yes ☒ No Pg. 11

(See requirements in Sec. IV, C)

l. A Phase II investigation is required? ☒ Yes ☐ No Pg. 35

(See requirements in Sec. V)

m. A Tier I and non-invasive Tier II Vapor Encroachment Screen were preformed?

☒ Yes ☐ No Pg. 38

(See requirements in Sec. IV, H.10)

n. A Vapor Encroachment Condition (VEC) was identified. An invasive Tier II investigation is recommended. ☒ Yes ☐ No Pg. 38

(See requirements in Sec. IV, H.10)

2. Report Documentation Check List. If any of the responses below are "NO," do not submit report.

a. MSHDA Phase I Letter of Reliance completed?	☒ Yes ☐ No	App. 10.9
b. User's Disclosure Statement completed?	☒ Yes ☐ No	App. 10.6
c. Compliant ACORD 25 Certificate of insurance included?	☒ Yes ☐ No	App. 10.10
d. FEMA Flood Plain Map Included?	☒ Yes ☐ No	App. 10.7
e. Fire Insurance Maps or No Coverage Letter Included?	☒ Yes ☐ No	App. 10.4
f. Development Site Plan Included?	☒ Yes ☐ No	
g. Site boundaries indicated on all maps and photos?	☒ Yes ☐ No	

I represent that this Summary Cover Sheet accurately reflects the environmental information contained in the above captioned document.

_____/11/13/209_____ _____Pamela Chapman_____

Signature of Environmental Professional — Date — Print or Type Legal Name

Phase I Environmental Site Assessment
Field Street I & II
Field Street and E. Grand Boulevard
Detroit, Michigan

November 13, 2019

Report Prepared For:

Field Street III Limited Dividend Housing Association LLC
32600 Telegraph Road, Suite 102
Bingham Farms, MI 48025
and
Michigan State Housing Development Authority
735 E. Michigan Avenue
Lansing, Michigan 48912

Report Prepared By:

ASTI Environmental
10448 Citation Drive, Suite 100
Brighton, Michigan 48116
1-800-395-ASTI

ASTI Project No. 11284

Report Prepared by:

Anthony Spencer, EP
Associate III

Report Reviewed by:

Pamela Chapman, PE, EP
Phase I Group Leader

ASTI ENVIRONMENTAL

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1.0 EXECUTIVE SUMMARY

ASTI Environmental (ASTI) was retained by Field Street III Limited Dividend Housing Association LLC to conduct a Phase I Environmental Site Assessment (ESA) of property located on Field Street and E. Grand Boulevard in Detroit, Wayne County, Michigan (Subject Property). The Phase I ESA was conducted in accordance with American Society for Testing and Materials (ASTM) Practice E1527-13 and the Michigan State Housing Development Authority (MSHDA) Environmental Review Requirements for 2019. The information and opinions rendered in this report are exclusively for reliance by Field Street III Limited Dividend Housing Association LLC and MSHDA, and ASTI will not distribute or publish this report without the consent of Field Street III Limited Dividend Housing Association LLC, except as required by law or court order. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made.

The Phase I ESA included (1) a site inspection on October 24, 2019, (2) interviews with knowledgeable site contacts, (3) review of pertinent Michigan Department of Environment, Great Lakes, and Energy (EGLE), Department of Licensing and Regulatory Affairs (LARA), County, and Detroit information, (4) acquisition and review of a federal and Michigan database search, (5) review of historical aerial photographs, Sanborn maps, and city directories, and (6) review of available information from the Federal Emergency Management Administration (FEMA), U.S Fish and Wildlife Service National Wetlands Inventory (NWI), and National Pipeline Mapping Service (NPMS).

No testing or sampling of materials (for example, soil, water, and air) was included in this assessment. No limiting conditions were identified during the site reconnaissance, except for those described in Section 6.1.

1.1 Summary and Conclusions

A detailed summary of the findings of this Phase I ESA can be found in Section 8.1.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 and MSHDA requirements of Field Street I & II, Field Street and E. Grand Boulevard in Detroit, Wayne County, Michigan, referred to as the “Subject Property”. Any exceptions to, or deletions from, this practice are described in Section 5.4 of this report.

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Subject Property, except for the following.

- The suspected former onsite use of a 1,000-gallon UST at 1470 Field Street is representative of a REC. The fate of the UST is unknown and it common for USTs to have been orphaned in place.
- Use of the south adjoining site for suspected dry cleaning at 7335 and 7345 E. Lafayette Avenue is representative of a REC. Dry cleaning solvents are commonly mismanaged and these locations are in close proximity to the Subject Property.
- Use of the west adjoining site for suspect dry cleaning at 1122 Field Street (SEC Field & Agnes) is representative of a REC. Dry cleaning solvents are commonly mismanaged and this location is in close proximity to the Subject Property.
- The west adjoining BEA site named Adult Well-Bring Services is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.
- The east adjoining BEA site named 1013 & 1017 Sheridan is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.

Additionally, ASTI identified the following significant data gap.

- At this site, there is no available information about the source of the backfill at historical developments. It is suspected that demolition debris would have been used as part of the backfilling process.

1.2 Data Failure Points

Refer to Section 8.4 for a discussion regarding data failures and/or data gaps encountered during the investigation.

1.3 Identified Liens or Activity Use Limitations

The EGLE Remediation and Redevelopment Division (RRD) maintains a list of properties that have perfected environmental liens on file with the EGLE. The Subject Property was not on the list as of the last update dated October 11, 2019 (Appendix 10.5).

Based on a review of the government records search for the Subject Property provided from EDR and information provided on the User Questionnaire, there are no activity and use limitations (AULs) against the Subject Property.

2.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Field Street III Limited Dividend Housing Association LLC to conduct a Phase I Environmental Site Assessment (ESA) of property located on Field Street and E. Grand Boulevard in Detroit, Wayne County, Michigan (Subject Property). The Phase I ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E1527-13), 40 CFR Part 312: Standards and Practice for All Appropriate Inquiries; Final Rule (AAI), and the Michigan State Housing Development Authority (MSHDA) Environmental Review Requirements for 2019.

2.1 Purpose

The assessment was conducted to identify *recognized environmental conditions,* (RECs), *historical recognized environmental conditions* (HRECs), and *controlled recognized environmental condition*s (CRECs) associated with the historical uses of the Subject Property, current site operations, and the condition of surrounding properties. ASTI understands that the findings of this study will be used for a LIHTC submittal to MSHDA. This Phase I ESA can be also used by Field Street III Limited Dividend Housing Association LLC to qualify for one of three landowner liability protections (contiguous property owner, innocent landowner, or bona fide prospective purchaser) available under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 as amended, and may also be used to qualify for State of Michigan liability defenses and exemption that may be available under Part 201 of the Natural Resources and Environmental Protection Act.

According to ASTM Practice E1527-13, the term *recognized environmental condition* is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 Detailed Scope of Services

Information required to complete the ESA was obtained from personal interviews and review of practically reviewable and reasonably ascertainable records. Informational sources include the following:

- User's Environmental Questionnaire;
- Owner Questionnaire;
- EGLE;
- EGLE Perfected Environmental Liens;
- LARA;
- Available records maintained by the Detroit and Wayne County;
- The EDR Radius Map Report with GeoCheck;
- Aerial photographs;
- Sanborn maps;
- City directories;
- FEMA;
- U.S. Fish and Wildlife Service NWI Map; and
- NPMS

Mr. Anthony Spencer, EP, inspected the Subject Property on October 24, 2019, and completed report preparation. Copies of resumes are provided in Appendix 10.8.

2.3 Significant Assumptions

Information obtained during this assessment, to the extent it was relied on to form our opinion, was assumed to be complete and accurate. ASTI cannot be held responsible for the quality or content of information obtained from interviews and standard sources. Since ASTI cannot warrant or guarantee that the information provided by interviews and standard sources is accurate or complete, the intention of this Phase I ESA is to reduce, but not eliminate, uncertainty for the potential for RECs, HRECs, and CRECs on the Subject Property.

2.4 Limitations and Exceptions

The information and opinions included in this report were given in response to a limited scope of work being a Phase I ESA per ASTM Practice E1527-13 and MSHDA Environmental Review Requirements for 2019, and should be considered and implemented

only in light of that particular scope of work. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made.

No testing or sampling of materials (for example, soil, water, and air) was included in this assessment. No limiting conditions were identified during the site reconnaissance, except for those described in Section 6.1. The temperature was approximately 55°F with mostly cloudy skies.

Responses received from regulatory agencies or other secondary sources of information after the issuance of this report may alter the facts, findings, conclusions, or recommendations to this ESA.

2.5 Special Terms and Conditions

The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E1527-13, AAI, and MSHDA Environmental Review Requirements for 2019. No special terms and conditions outside ASTM Practice E1527-13, AAI, and MSHDA Requirements have been addressed. Under the AAI Rule and ASTM Practice E1527-13, all appropriate inquiries must be conducted within one year prior to the date of transaction of the Subject Property. However, certain components of the all appropriate inquiries (interviews, liens searches, records review, and visual inspections) must be conducted or updated within 180 days prior to the date of the Subject Property transaction.

2.6 User Reliance

The Phase I ESA was performed for the benefit of Field Street III Limited Dividend Housing Association LLC and MSHDA, and ASTI acknowledges that said parties may rely on the contents and conclusions presented in this report. ASTI acknowledges the fact that the scope of work was sufficient in ASTI's opinion to uncover, to the extent of ASTI's services, potential environmental liabilities at the Subject Property.

This effort was performed per authorization of Field Street III Limited Dividend Housing Association LLC on October 8, 2019. The information and opinions rendered in this report are exclusively for use by Field Street III Limited Dividend Housing Association LLC and MSHDA. ASTI will not distribute or publish this report without the consent of Field Street III Limited Dividend Housing Association LLC, except as required by law or court order.

Any use a third party makes of this report, or any reliance upon it, or any decisions based on it, is the sole responsibility of the third party. A third party is not afforded the status of a third party beneficiary unless ASTI expressly agrees to such status in writing. ASTI has no responsibility for any damages that may be suffered by a third party as a result of any decision made, or action taken by a third party, based on this report.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

General Location	A Site Location Map is provided in Appendix 10.1.
Section, Township and Range	SE 1/4 of Section 3, T02S, R12E
City/Township, County, State, Zip Code	City of Detroit, Wayne County, Michigan 48214

Parcel Identification Field Street I			
Parcel No.	**Acreage**	**Unit Addresses**	
15007487-8	0.34	1005	Field Street
		1007	Field Street
15007484-6	0.62	1023	Field Street
		1025	Field Street
		1027	Field Street
		1029	Field Street
		1031	Field Street
15007482-3	0.41	1045	Field Street
		1047	Field Street
		1049	Field Street
		1051	Field Street
15007481	0.21	1065	Field Street
		1067	Field Street
15007479-80	0.41	1083	Field Street
		1085	Field Street
		1091	Field Street
		1093	Field Street
15007478	0.21	1103	Field Street
15007534	0.27	240	E. Grand Blvd
		244	E. Grand Blvd
		246	E. Grand Blvd
		250	E. Grand Blvd

Parcel Identification Field Street II - Islandview			
Parcel No.	**Acreage**	**Unit Addresses**	
17013513	0.11	1014	Field Street
		1016	Field Street
17013520-1	0.2	1070	Field Street

Parcel Identification Field Street II - Islandview			
Parcel No.	**Acreage**	**Unit Addresses**	
		1074	Field Street
17013523-4	0.17	1090	Field Street
		1094	Field Street
17013525-7	0.26	1100	Field Street
		1104	Field Street
		1108	Field Street
17013536-7	0.17	1448	Field Street
		1452	Field Street
17013538	0.09	1458	Field Street
17013539-40	0.26	1462	Field Street
		1470	Field Street
		1474	Field Street
15007472	0.31	1481	Field Street
		1485	Field Street
15007471	0.21	1491	Field Street
		1495	Field Street

Parcel Identification Field Street II - Hamilton House			
Parcel No.	**Acreage**	**Unit Addresses**	
15007531	0.18	232	E. Grand Blvd Apt. 101
		232	E. Grand Blvd Apt. 102
		232	E. Grand Blvd Apt 201
		232	E. Grand Blvd Apt 202
		232	E. Grand Blvd Apt. B
15007532	0.18	236	E. Grand Blvd
		238	E. Grand Blvd
15007533	0.09	242	E. Grand Blvd
		248	E. Grand Blvd

Current assessing records with parcel legal descriptions are included in Appendix 10.5.

3.2 Site and Vicinity General Characteristics

Subject Property Zoning	Medium Density Residential District
Local Development Utilization	Residential

A Site Features Map is included in Appendix 10.2. Photographs of the Subject Property and adjoining properties were taken during the site inspection and are provided as Appendix 10.3.

3.3 Current Use of the Subject Property

The Subject Property is developed for residential use.

3.4 Descriptions of Structures, Roads, Other Improvements on the Site

Below is summary of the Subject Property improvements.

Building Descriptions						
#	Building Type	Primary Use	Functional Spaces	# Present	Built Date	Stories
1	Apartment	Residential	Bedrooms, kitchens, bathrooms, hallways, stairwells, basements, maintenance storage, mechanical room	1	1908	2
2	Townhomes	Residential	Bedrooms, kitchens, bathrooms, hallways, stairwells, basements	16	1992-1997	2

Building Construction			
#	Square Footage	Primary Construction	Interior Finishes
1	4,526	Concrete foundation, full basement, brick walls, wood frame, flat roof	Drywall, plaster, wood, paint, Pergo, ceramic
2	2,160-6,248	Concrete foundation, bulls basement, wood frame, gable roof	Drywall, paint, vinyl, wood trim, carpet, ceramic, Pergo

Roads and Other Improvements	
Access	Via nearby roadways and alleys
Paved Areas	Parking lots and sidewalks
Maintained Lawn	Throughout
Landscaped Areas	Near the buildings
Surface Water	None present

Municipal Services and Utilities			
Service or Utility	Present	Provider	Comments
Potable Water Source	Yes	Detroit	

Municipal Services and Utilities			
Service or Utility	**Present**	**Provider**	**Comments**
Irrigation Well	No		
Sewage	Yes	Detroit	
Storm Sewer	Yes	Detroit	
Electrical	Yes	DTE	
Natural Gas	Yes	DTE	
Solid Waste Disposal	Yes	Detroit	
Heating & Cooling	Yes		Natural gas heating and electric cooling

There was no indication or evidence of the former presence of potable wells or septic systems on the Subject Property.

A current or prior heating source other than natural gas has not been identified through a review of reasonably ascertainable records, except for municipal records discussed in Section 5.2.

3.5 Current Uses of Adjoining Properties

ASTI observed adjoining properties during the inspection to evaluate the potential risk these properties may pose to the Subject Property.

Adjoining Property Use			
Direction from Property	**Occupant & Address**	**Use**	**Potential Concerns Observed During Site Reconnaissance**
North	Dwellings	Residential	None
	Apartments		
East	Dwellings	Residential	None
	Apartments		
	St. Paul Church 1111 Sheridan	Church and parking lot	None
South	Vacant lots	No obvious use	None
West	All Well Being Services, 1413-1423 Field	Human services	None
	Vacant Library, 1117 Field	No obvious use	None

4.0 USER PROVIDED INFORMATION

In order to qualify for one of the landowner liability protections offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2002, the User, defined by ASTM as *the party seeking to use Practice E1527 to complete an environmental site assessment of the Subject Property*, has specific obligations for completing a successful application of this practice as outlined in Section 6 of ASTM E1527-13 Failure to provide information regarding the obligations outlined to the Environmental Professional may result in a determination that AAI is not complete.

Mr. Richard A. Cannon Jr., representing the User, completed a User's Environmental Questionnaire and Disclosure Statement. A copy of the User's Questionnaire is provided in Appendix 10.6.

4.1 Title Records

A title search was not included in the scope of this Phase I ESA. Prior use was identified through other historical resources.

4.2 Environmental Liens or Activity and Use Limitations

The User representative was not aware of any environmental liens or activity and land use limitations.

4.3 Specialized Knowledge

The User representative does not have any specialized knowledge or experience related to the Subject Property or nearby properties that might help ASTI identify a potential REC.

4.4 Commonly Known or Reasonably Ascertainable Information

The User representative does not have any commonly known or reasonably ascertainable information indicative of releases or threatened releases on the Subject Property.

4.5 Valuation Reduction for Environmental Issues

According to The User representative, the purchase price represents the fair market value.

4.6 Owner, Property Manager, and Occupant Information

The Subject Property is owned by managed by The Church of Messiah Housing Corporation, who is associated with the User and Owner. Refer to questionnaire responses

discussed in Section 4.0 and Section 7.0.

4.7 Reason for Performing Phase I ESA

ASTI understands that the findings of this study will be used for a submittal to MSHDA. This Phase I ESA can be also used to qualify for one of three landowner liability protections (contiguous property owner, innocent landowner, or bona fide prospective purchaser) available under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 as amended, and may also be used to qualify for State of Michigan liability defenses and exemption that may be available under Part 201 of the Natural Resources and Environmental Protection Act.

4.8 Other

No other information was provided by the User.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

ASTI ordered a government records search for the Subject Property from Environmental Data Resources, Inc. (EDR) in Shelton, Connecticut. A copy of The EDR Radius Map Report with GeoCheck dated October 10, 2019, is included in Appendix 10.5. A description of the databases, search distances, and results are presented in the report.

ASTM-Required Databases			
Database List (ASTM Required Search Distance)	**Subject Property Listing**	**Adjoining Property Listing**	**Total Applicable ASTM Listings**
Federal NPL/State Hazardous Waste Site (1 mile)	No	No	0
Delisted NPL (0.5 mile)	No	No	0
Federal/State/Tribal Equivalent SEMS (0.5 mile)	No	No	4
Federal SEMS Archive (0.5 mile)	No	No	0
Federal RCRA CORRACTS (1 mile)	No	No	0
Federal TSD Facility (0.5 mile)	No	No	0
Federal RCRA Generator (Subject Property/Adjoining)	No	No	0
Federal Inst./Eng. Controls (Subject Property only)	No	No	0
Federal ERNS (Subject Property Only)	No	N/A	0
State/Tribal Landfill or Solid Waste Facility (0.5 mile)	No	No	0
State/Tribal LUST (0.5 mile)	No	No	14
State/Tribal Registered UST (Subject Property/Adjoining Properties)	No	No	0
State/Tribal Inst./Eng. Controls (Subject Property only)	No	N/A	0
State/Tribal Voluntary Cleanup Sites (0.5 mile)	No	No	0
State/Tribal Brownfield Sites (0.5 mile)	No	No	1

Refer to the EDR report Executive Summary for abbreviation descriptions.

Supplemental Databases Selected by Environmental Professional			
Supplemental Database List Name (ASTI Search Distance)	**Subject Property Listing**	**Adjoining Property Listing**	**Additional Listings in Search Distance**
State/Tribal - Part 201 (1 mile)	No	No	4
Michigan Baseline Environmental Assessment (BEA) Sites ($^1/_{10}$ mile)	No	Yes	3
Historical Auto Stations ($^1/_{10}$ mile)	No	No	5
Dry Cleaners/Historical Cleaners ($^1/_{10}$ mile)	No	Yes	4
Additional Non-ASTM Databases (Subject Property or Adjoining Property)	No	No	N/A
Orphans	No	No	1

Discussion of Subject Property Listings

There are no Subject Property listings.

Discussion of Off-Site Listings of Environmental Concern

Adjoining property listings are discussed below.

For the remaining listings, ASTI considers select criteria to determine which listings represent an environmental concern to the Subject Property. The criteria include but are not limited to the following.

- Database type
- Topography relative to the Subject Property
- Direction and distance
- Soil profile identified in available sources
- Known or inferred groundwater depth and flow direction
- Status of applicable investigation
- Surface and subsurface conditions including but not limited to buildings, pavement, utility corridors, and surface water features
- Potable water source (well or municipal)

An evaluation of these criteria is completed to determine the level of risk associated with each listing. Listings with likely releases that are found to have the potential to represent an elevated or high risk are requested through FOIA to applicable agencies.

Using the referenced criteria and based upon the information contained within the EDR report, ASTI did identify additional listings beyond adjoining properties that were considered to represent the potential to be an elevated or high risk to the Subject Property. Adjoining listings and these sites are discussed below.

Site Name	Babus Jos
Databases Listing(s)	EDR Historical Cleaner
Location	1122 Field, Detroit
Distance and Direction	Centrally adjoining near the corner of Field and Agnes
Documentation Requested	• *None*
Summary of Findings	The site was identified as a clothes presser and cleaner in 1931. This information was considered as part of the historical summary presented in Section 5.5.

Site Name	Adult Well-Being Services
Databases Listing(s)	BEA
Location	South 25 ft of 1475 Field, Detroit
Distance and Direction	West adjoining on the north side of Agnes and west of Field
Documentation Requested	• *RRD:* Remediation and Redevelopment Division of the EGLE
Summary of Findings	ASTI requested associated EGLE records. A BEA was filed for the site in 1995. The record was not made available for review during the completion of this Phase I ESA.

Site Name	1013 & 1017 Sheridan
Databases Listing(s)	BEA
Location	1013 & 1017 Sheridan, Detroit
Distance and Direction	East adjoining near the corner of Sheridan and E. Lafayette
Documentation Requested	• *RRD:* Remediation and Redevelopment Division of the EGLE
Summary of Findings	ASTI requested associated EGLE records. A BEA was filed for the site in 2002. The record was not made available for review during the completion of this Phase I ESA.

Site Name	Vacant Property
Databases Listing(s)	BEA
Location	687 Field, Detroit

Distance and Direction	275' south
Documentation Requested	• *RRD:* Remediation and Redevelopment Division of the EGLE
Summary of Findings	ASTI requested associated EGLE records. A BEA was filed for the site in 2004. The record was not made available for review during the completion of this Phase I ESA.

Site Name	39 Minute Cleaners
Databases Listing(s)	SEMS, EDR Historical Cleaners, RCRA NonGen/NLR, FINDS, ECHO
Location	6929 E. Lafayette, Detroit
Distance and Direction	526' east
Documentation Requested	• *None*
Summary of Findings	The site was identified a dry cleaner from 1991 to 2008. No RCRA-related violations have been reported. The NPL Status is listed as *removal only site (no site assessment work needed)*. The clay-based soil and lack of groundwater are expected to limited potential subsurface migration in the area. The location is cross-gradient. Based on reviewed information, distance, soil lithology, and gradient, the database listing is not considered a REC.

5.2 Additional Environmental Record Sources

Michigan Oil and Gas Wells

Based on a review of the EGLE GeoWebFace search system and EDR report, no oil or gas wells were identified on or adjoining to the Subject Property.

County and Local Records Review

ASTI requested information for the Subject Property from the Wayne County Department of Public Services. A response was received on October 16, 2019, indicating that no records were found (Appendix 10.5).

ASTI reviewed information for the Subject Property from the Detroit Fire Department on November 5, 2019. The records described residential sites. The file contained information

about sites that shared the same management address, 232 E. Grand Boulevard. The management address was listed on a record for 232 W. Grand River Avenue/1410 Washington Boulevard (Downtown Detroit) that described two 250-gallon tanks. These tanks appear to have been located in Downtown Detroit and not on the Subject Property. Select copies are included in Appendix 10.5.

ASTI requested information for the Subject Property from the Detroit Assessing Department (Appendix 10.5). The apartment building at 232 E. Grand Boulevard (Hamilton House) was identified as having previously been heated with a stoker, which indicates past use of coal. The former 2-family flat at 1014-1016 Field was constructed in 1910 and was described as having had a full basement and oil heat. The current buildings were also described.

ASTI reviewed permit index cards from the City of Detroit, Building Safety Engineering and Environmental Department (BSEED). Index cards include information about construction, storage tanks, flammable materials, and boilers. Numerous tanks, described as being 10 to 275 gallons in size, were interpreted to be boiler-related or for the storage of fuel oil. Details of their locations were not given, but these tanks are normally located in basements or along exterior walls. These 10 to 275 gallon- tanks were identified at 1014, 1025, 1086, and 1093 Field Street: and 1094 and at 234 E. Grand Boulevard. A 440-gallon tank was listed as being in the basement of the building at 1066 Field Street. A 1,000-gallon tank was listed as being located outside of the building at 1470 Field Street. The 1,000-gallon tank is interpreted to have been a UST based on size and location.

5.3 Physical Setting Sources

A Physical Setting Sources Map, which includes an overlay of the United States Geological Survey (USGS) topographic map (7.5-minute series) for the Detroit, Michigan, quadrangle, which includes the Subject Property, is provided in the EDR report in Appendix 10.5. The USGS map is also the basis of the Site Location Map in Appendix 10.1.

Average Elevation (feet above mean sea level)	599
Local Gradient	Declines to the south
Regional Gradient	Declines to the south
Nearest Surface Water Body	Detroit River: ± 1/3 mile southeast
Groundwater Depth	Over 10' bgs
Groundwater Flow Direction	Inferred to be south based on gradient and surface water

Soil composition information for the Subject Property is included in the EDR report (Appendix 10.5). The soil component for the Subject Property is described as follows.

Soil Component	Soil Texture	Infiltration Rate	Drainage	Hydric
Urbanland	Variable	Not reported	Not reported	No

According to the EGLE/DEQ GeoWebFace, the Subject Property is in an area of lacustrine clay and silt.

5.4 Historical Use Information on the Subject Property

Reasonably ascertainable standard historical sources as found in Section 8.3.4 of ASTM Practice E1527-13 were used to determine the previous use of the Subject Property and surrounding area. A chronological summary of the sources used may include, but is not limited to aerial photographs, Sanborn maps, city directories, agency records, and prior environmental assessments. ASTI made a *good faith* effort to identify the obvious uses of the Subject Property from the present back to the Subject Property's first developed use, or back to 1940, whichever is earlier. *Data Failures* were encountered as part this assessment and are discussed as data gaps in Section 8.4.

5.4.1 Aerial Photographs

ASTI reviewed available aerial photographs of the Subject Property area provided by EDR. Copies of the aerial photographs are included in Appendix 10.4. The aerial photographs are summarized as follows.

Year	Observations
1937	Subject Property: Multiple buildings are evident. They appear to be residential and associated outbuildings. There is a mixture of dwellings and small apartment buildings.
	Adjoining: Multiple buildings are evident. Non-residential buildings are evident along Agnes and Lafayette.
1949	No significant changes are identified.
1952	
1956	
1961	Subject Property: A lot has been redeveloped as a parking lot. Otherwise, the area is the same.
	Adjoining: No significant changes are identified.
1967	Subject Property: No significant changes are identified.

Year	Observations
	Adjoining: Fewer buildings are evident.
1972	Subject Property: Fewer buildings are evident.
	East adjoining: A church near Agnes. Fewer buildings are evident.
	Adjoining: Fewer buildings are evident.
1981	Subject Property: Fewer buildings are evident.
	East adjoining: The current human service building is evident along Agnes.
	Other adjoining: Fewer buildings are evident.
1987	Subject Property: Fewer buildings are evident.
	East adjoining: A parking lot is evident near the church on Agnes.
	Other adjoining: Fewer buildings are evident.
1997	Subject Property: Only two of the previous developments remain, the apartment building near the corner of E. Grand and E. Lafayette and a dwelling on the east side of Field near E. Lafayette. Five of the modern buildings are evident on the west side of Field between Agnes and E. Lafayette. One of modern buildings on E. Grand is evident. Eight additional buildings are under construction on Field.
	East adjoining: A parking lot is evident. Fewer buildings are evident.
	Other adjoining: Fewer buildings are evident.
1999	Subject Property: All of the current buildings are evident across the Subject Property.
	Adjoining: No significant changes are evident.
2005	No significant changes are evident.
2009	
2012	
2016	

Review of aerial photos did not reveal any changes in site topography that would be indicative of landfilling activities on the Subject Property. No evidence of waste disposal was noted on the aerial photos.

5.4.2 Sanborn Maps

ASTI reviewed available Sanborn maps of the Subject Property area provided by EDR. Copies of the Sanborn maps are included in Appendix 10.4. The maps are summarized as follows.

Year	Observations
1897	Subject Property: Dwellings and outbuildings are evident along Field. Some lots remain vacant, including those on E. Grand.
	North adjoining: Dwellings and vacant lots are evident.
	East adjoining: Dwellings and two stores are evident.
	South adjoining: Dwellings and three stores are evident.
	West adjoining: Dwellings and a nearby school are evident.

Year	Observations
1910	Subject Property: Additional residential developments are evident and the site is almost fully developed.
	North adjoining: The use remains residential.
	East adjoining: Two stores are evident around Agnes.
	South adjoining: Multiple stores are depicted. A tin shop is evident. One of the stores is labeled as having paints and oils.
	West adjoining: Additional dwellings, a church, and a library are evident.
1915	Subject Property: There is an additional flat on Field and the site is fully developed for residential use.
	North adjoining: Additional residential developments are evident.
	East adjoining: Three stores are depicted along Agnes. Other developments are residential.
	South adjoining: Multiple stores and a bakery are evident. The tin shop remains.
	West adjoining: No significant changes are evident.
1941	Subject Property: A dwelling on E. Grand has been converted to a clinic. There is a store on E. Lafayette near Field. Otherwise, uses remain the same.
	North adjoining: No significant changes are identified.
	East adjoining: An apartment, dwellings, an ice station, drug store, and stores are evident.
	South adjoining: Multiple stores and dwellings are evident.
	West adjoining: Large apartment buildings are evident. Otherwise, the uses are similar.
1951	Subject Property: The store on E. Lafayette is now a residential garage. The clinic is now labeled as a dwelling. No other significant changes are identified.
	Adjoining: No significant changes are identified.
1953	No significant changes are identified.
1957	
1961	Subject Property: A dwelling has been removed and the lot is labeled parking.
	Adjoining: No significant changes are identified.
1977	Subject Property: Fewer buildings are evident.
	West adjoining: Fewer buildings are evident. A church is evident near Agnes and Sheridan.
	Other adjoining: Fewer buildings are evident.
1989	Subject Property: Fewer buildings are evident.
	East adjoining: The school has been redeveloped as an adult service center.
	Other adjoining: Fewer buildings are evident.
1991	No significant changes are identified.
1996	Subject Property: Five new residential buildings are evident on the east side of Field. Additional buildings have been removed from the area.
	Adjoining: Fewer buildings are evident.
2002	Subject Property: Seven new residential buildings are evident on the east side of Field. These new developments displaced some previous

Year	Observations
	buildings.
	Adjoining: Fewer buildings are evident.

5.4.3 City Directories

City directory research was conducted by EDR (Appendix E). The table below summarizes non-residential use information about the Subject Property and adjoining sites along Field Street and East Lafayette Street.

Field: 1000-1008, 1116-1122, 1400, 1402 E. Lafayette: 7251, 7301-7353 (odd)	
Year	**Observations**
1911	Field: School, library
	E. Lafayette: Retail, shoemaker, music teacher, tailor, barber
1916	Field: Hardware, home businesses (e.g., doctor, dentist, roofing, electrician, painter), retail, confectioner
	E. Lafayette: Retail, baker, tailor, barber, no onsite
1921	Field: Hardware, Tinner, confectioner, home businesses, retail, school, library
	E. Lafayette: Retail, barber
1926	Field: Retail, home businesses, school, library
	E. Lafayette: Retail
1931	Field: Retail, home businesses, Babos Jos. cleaner (1122)
	E. Lafayette: Retail, Negoshian & Son Cleaners (7345), barber
1935	Field: Retail; home businesses, school, library
	E. Lafayette: Retail, radio service, laundry (7335), Negoshian Tailor (7345)
1940	Field: Retail, home businesses, retail, school, library
	E. Lafayette: Retail, laundry (7335), tailor (7345), barber
1957	Field: Retail, school
	E. Lafayette: CYS Printing Co. (7259), Jet Cleaners (7345), retail
1962	Field: Retail, library, retail, school
	E. Lafayette: Salon, retail
1967	Field: Retail, library
	E. Lafayette: Coffee House, retail
1972	Field: Retail, library, school
	E. Lafayette: Retail
1977	Field: Retail, school
	E. Lafayette: No listings
1982	Field: Parent Child Center
	E. Lafayette: No listings
1987	Field: Adult Well-Being Center
	E. Lafayette: No listings
1992	Field: Adult Well-Being Center
	E. Lafayette: No listings
1995	Field: Adult Well-Being Center, St. Christopher House Inc.

Field: 1000-1008, 1116-1122, 1400, 1402 E. Lafayette: 7251, 7301-7353 (odd)	
Year	**Observations**
	E. Lafayette: No listings
2000	Field: Adult Well-Being Center, St. Christopher House Inc.
	E. Lafayette: No listings
2005	Field: Scott's Cleaning Co. (1027), Drivers Hammers & Tools (1070), Adult Well-Being Center, 91st CB Radio Patrol, My House Moving Co.
	E. Lafayette: No listings
2010	Field: Scott's Cleaning Co. (1027), Wizdom Magazine (1093), Adult Well-Being Center
	E. Lafayette: No listings
2014	Field: Scott's Cleaning Co. (1027), Adult Well-Being Center
	E. Lafayette: No listings

5.4.4 Title Search

A title search was not included in the scope of this Phase I ESA.

5.4.5 Prior Environmental Investigations

ASTI was not provided with, nor is aware of, prior environmental investigations for the Subject Property.

5.4.6 Summary of Historical Uses on the Subject Property

Based on review of the obtained historical sources, the historic use(s) of the Subject Property is summarized as follows.

The site was developed in the late 1800s and early 1900s with numerous residential buildings (dwellings, flats, and apartments) and associated outbuildings. One of the outbuildings at 7259 E. Lafayette was identified as a store and identified a CYS Printing Co. Home-based businesses (e.g., doctor, dentist, roofing, electrician, and painter) were identified amongst residential developments.

A majority of the buildings were demolished in the 1970s and 1980s. In the 1990s, additional buildings were removed and a series of townhomes were constructed. Home-based businesses (e.g., Scott's Cleaning Co., Wizdom Magazine, Drivers Hammers & Tools) were identified amongst residential developments.

5.5 Historical Use Information on Adjoining Properties

Based on review of the obtained historical sources, the historic uses of adjoining properties

are summarized as follows.

Summary of Historic Uses of Adjoining Properties	
Direction	**Historical Use Summary**
North	The area has been used for residential purposes since at least 1897.
East	The area has been used for residential purposes since at least 1897.
South	The area has been used for residential and commercial purposes as early as 1897. Residential use persisted into the 1990s. Commercial uses were present on E. Lafayette and east of Field. Commercial uses persisted in the 1980s and included retail, tin shop, hardware (with oil and paint), barber, and salon. The following suspect uses were identified: • 7345 E. Lafayette: Negoshian & Son Cleaners (1931), Jet Cleaners (1940) and as a tailor • 7335 E. Lafayette: laundry (1935, 1940)
West	The area has been primarily used for residential purposes since the 1800s. A church has been present across E. Grand since at least 1910. Along Agnes, there was a school that later became and human service center, a library, and an apartment with stores. The following suspect uses were identified: • 1122 Field: Babos Jos. cleaner (1931)

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Assessor Name and Title	Mr. Anthony Spencer, EP
Date of Inspection	October 24, 2019
Weather Conditions	50 º F and partly cloud
Methodology	Inspected the Subject Property in a meander and search pattern, including all property boundaries, and adjoining properties from Subject Property and public access areas.
Access Limitations	Landscaping, parked autos
Adverse Subject Property Conditions	None

6.2 General Site Settings

General Location	A site location map is included in Appendix 10.1.
City/Township, County, State, Zip Code	City of Detroit, County of Wayne, State of Michigan, 48214
Acreage	4.49
Local Development Utilization	Residential

6.3 Exterior Observations

The following table summarizes the site exterior observations. Items observed are discussed further following the table.

Category	Item	Item Observed
Above Ground Hazardous Substances and Petroleum Products	Drums, barrels or containers ≥5 gallons in connection with identified uses	No
	Drums, barrels or containers ≥5 gallons not in connection with identified uses	No
	Unidentified Substance Containers	No
	ASTs	No
Underground Hazardous Substances and Petroleum Products	USTs (fill ports and/or vent pipes)	No
	Fuel dispensers	No
	Natural gas or petroleum pipelines/wells	No
Basic & Specialized Systems (Electrical, Hydraulic, Refrigeration, & PCBs)	Pole-mounted transformers	Offsite
	Pad-mounted transformers	Yes
	Capacitors	No
	Hydraulic equipment	No
	Emergency generator	No

Category	Item	Item Observed
	High-power transmission lines (EMF)	No
Indications of Releases or Potential Releases	Stained soil or pavement	No
	Stressed vegetation	No
	Pools of liquid	No
	Strong or pungent odors	No
	Filled Land	No
	Unregulated/Unauthorized Waste Disposal	No
Drainage & Waste Collection Systems	Pits	No
	Ponds	No
	Lagoons	No
	Sumps	No
	Storm water collection basins	Offsite
	Monitor wells	No
	Dry wells/crocks	No
	Oil-water separators	No
	Regulated/Authorized Waste Removal (Dumpsters)	No
Other Notable Items	None identified	N/A

Items noted as not observed do not fully warrant that these items are not present on the Subject Property as some items may not have been readily observable.

Offsite pole-mounted transformers were identified in the alley. The units were in good condition. It is likely that they are owned by DTE.

Three pad-mounted transformers were identified. The units were in fair condition and no signs of a release were identified in their vicinity. The units were marked as being owned by Detroit Edison (DTE). Even though not all DTE -owned transformers have been tested, according to DTE personnel, none of their transformers are “PCB transformers” as defined by the US EPA. In the unlikely event of a spill or leak from any DTE -owned equipment, the Property will be properly cleaned and, as nearly as possible, returned to its condition before the spill be DTE.

Storm water collection basins were identified in the alleys that serve as driveways to portions of the Subject Property. The basins contained standing water.

6.4 Interior Observations

The following table summarizes the site interior observations. Items observed are discussed further following the table.

Category	Item	Item Observed
Above Ground Hazardous Substances and Petroleum Products	Drums, barrels or containers ≥5 gallons in connection with identified uses	No
	Drums, barrels or containers ≥5 gallons not in connection with identified uses	No
	Unidentified Substance Containers	No
	ASTs	No
Underground Hazardous Substances and Petroleum Products	USTs (fill ports and/or vent pipes)	No
Basic & Specialized Systems (Electrical, Hydraulic, Refrigeration, & PCBs)	Transformers	No
	Capacitors	No
	Elevators	No
	Compressors	No
	Compactors	No
	Hydraulic Hoists	No
	Hydraulic Equipment other than those above	No
	Emergency generators	No
	Refrigeration/chillers	No
Indications of Releases or Potential Releases	Staining	No
	Pools of liquid	No
	Strong or pungent odors	No
	Visible Mold	No
Drainage & Waste Collection Systems	Pits	No
	Standard floor drains	Yes
	Sumps/manhole covers	No
	Trench drains	No
	Monitor wells	No
	Dry wells/crocks	No
	Oil-water separators	No
	Wastewater discharge systems	No
Other Notable Items	None identified	N/A

Items noted as not observed do not fully warrant that these items are not present on the Subject Property as some items may not have been readily observable.

Drainage & Waste Collection Systems

ASTI identified standard floor drains in the basements of the buildings. The drains were dry during site reconnaissance. No chemical storage was noted in their vicinity.

Indications of Releases or Potential Releases

No visible mold was identified during site reconnaissance. Mold remediation was reported and it is discussed in Section 7.1. A tarp-patched roof was noted at 1491-1495 Field Street and ASTI was unable to inspect this unit during site reconnaissance.

7.0 INTERVIEWS

7.1 Interview with Owner

Mr. Richard Cannon, representing the Owner, completed an Owner Questionnaire on October 30, 2019 (Appendix 10.6). Based on the responses, the respondent was unaware of any known or suspected release.

The respondent indicated that mold was remediated in the units at 1481 and 1485 Field Street (these units are shut down due to a past fire). Other environmental investigations (i.e., Phase I ESA, lead-based paint, asbestos) are not known to have been completed.

7.2 Interview with Key Site Manager

Refer to Section 6.1.

7.3 Interview with Occupants

Occupants were not interviewed during this investigation.

7.4 Interviews with Local Government Officials

Conversations with local government officials were limited to requesting records.

7.5 Interviews with Others

No others were interviewed as part of this assessment.

8.0 EVALUATION

8.1 Findings

Subject Property

Uses

The site was developed in the late 1800s and early 1900s with numerous residential buildings (dwellings, flats, and apartments) and associated outbuildings. One of the outbuildings at 7259 E. Lafayette was identified as a store and identified a CYS Printing Co. Home-based businesses (e.g., doctor, dentist, roofing, electrician, and painter) were identified amongst residential developments.

A majority of the buildings were demolished in the 1970s and 1980s. In the 1990s, additional buildings were removed and a series of townhomes were constructed. Home-based businesses (e.g., Scott's Cleaning Co., Wizdom Magazine, Drivers Hammers & Tools) were identified amongst residential developments.

No visible mold was identified during site reconnaissance. The owner reported mold remediated in the units at 1481 and 1485 Field Street (these units are shut down due to a past fire). A tarp-patched roof was noted at 1491-1495 Field Street and ASTI was unable to inspect this unit during site reconnaissance.

OPINION/SIGNIFICANT DATA GAP: The practice of backfilling following demolition is relatively common and, in the past, little documentation was required during the process. Many sites across developed areas contain some amount of backfill.

At this site, there is no available information about the source of the backfill at historical developments. It is suspected that demolition debris would have been used as part of the backfilling process.

Based on a comparison of historical development layouts to current layouts, limited areas of post-building-removal fill may remain. These were interpreted by overlaying historical Sanborn maps and aerial photos onto a current aerial image using EDR's web-based mapping tool, Lightbox. Outbuildings are unlikely to have contained basements or otherwise required significant backfill since they are commonly constructed on slab foundations with footings. The areas where fill may be present include those listed below.

Field Street I

- Immediately SW of the unit at 240 E. Grand
- Between units 244 and 246 E. Grand
- East of units 246 and 250 E. Grand (partially covered by a parking lot)
- South of the unit at 1005 Field
- Immediately west of units 1005 and 1007 Field
- Immediately west of units 1027 and 1029 Field
- Between units 1031 and 1045 Field
- Immediately west of units 1047 and 1049 Field
- Between and west of units 1051 and 1065 Field (partially covered by a parking lot)
- Between units 1067 and 1083 Field
- Immediately west of the unit at 1085 Field
- Immediately north of the unit at 1096 Field
- Eastern half of parcel

Field Street II

- Immediately east of the unit at 1070 Field
- Immediately east of the unit at 1074 Field
- Immediately south of the unit at 1090 Field
- Between the units at 1094 and 1100 Field
- Immediately west of the unit at 1104 Field
- Immediately west of the unit at 1108 Field
- Immediately south and east of units at 1448 and 1452 Field
- Between units 1452 and 1458 Field
- Immediately west of the unit at 1462
- East of units 1470 to 1474 Field (partially covered by a parking lot)
- Immediately west of the building at 1481 Field
- Immediately west of the units at 1491 and 1495 Field

Municipal Records

Fire Department

The records described residential sites. The file contained information about sites that shared the same management address, 232 E. Grand Boulevard. The management address was listed on a record for 232 W. Grand River Avenue/1410 Washington Boulevard (Downtown Detroit) that described two 250-gallon tanks. These tanks appear to have been

located in Downtown Detroit and not on the Subject Property. Select copies are included in Appendix 10.5.

Assessing Department

The apartment buildings at 232 E. Grand Boulevard (Hamilton House) and 1103 Field were identified as having previously been heated with a stoker, which indicates past use of coal. The former 2-family flat at 1014-1016 Field was constructed in 1910 and was described as having had a full basement and oil heat. The current buildings were also described.

Building Department

Numerous tanks, described as being 10 to 275 gallons in size, were interpreted to be boiler-related or for the storage of fuel oil. Details of their locations were not given, but these tanks are normally located in basements or along exterior walls. These 10 to 275 gallon-tanks were identified at 1014, 1025, 1086, 1093, and 1094 Field Street and at 234 E. Grand Boulevard.

A 440-gallon tank was listed as being in the basement of the building at 1066 Field Street. There was a dwelling at this location and this is interpreted to have been an AST.

A 1,000-gallon tank was listed as being located outside of the building at 1470 Field Street. There was a small apartment building at this location. The 1,000-gallon tank is interpreted to have been a UST based on size and location. The fate of this suspected UST is unknown.

REC OPINION: The suspected former onsite use of a 1,000-gallon UST at 1470 Field Street is representative of a REC. The fate of the UST is unknown and it is common for USTs to have been orphaned in place.

OPINION: Smaller tanks and tanks at dwellings are interpreted to have been ASTs. Their locations are only generally known (e.g., basement). Normally, these types of tanks were removed when the buildings were upgraded to natural gas service.

Adjoining Sites

Suspect Uses - South Adjoining

The following suspect uses were identified:

- 7345 E. Lafayette: Negoshian & Son Cleaners (1931), Jet Cleaners (1940) and as a tailor
- 7335 E. Lafayette: laundry (1935, 1940)

REC OPINION: Use of the south adjoining site for suspected dry cleaning at 7335 and 7345 E. Lafayette Avenue is representative of a REC. Dry cleaning solvents are commonly mismanaged and these locations are in close proximity to the Subject Property.

Suspect Uses - West Adjoining

The following suspect uses were identified:

- 1122 Field: Babos Jos. cleaner (1931)

REC OPINION: Use of the west adjoining site for suspect dry cleaning at 1122 Field Street (SEC Field & Agnes) is representative of a REC. Dry cleaning solvents are commonly mismanaged and this location is in close proximity to the Subject Property.

Database Listings - West Adjoining

The site name is Adult Well-Bring Services. It is west adjoining on the north side of Agnes and west of Field. A BEA was filed for the site in 1995. ASTI requested the associated EGLE record; however, it was not provided for review during the completion of this Phase I ESA.

REC OPINION: The west adjoining BEA site named Adult Well-Bring Services is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.

Database Listings - East Adjoining

The site name is 1013 & 1017 Sheridan. It is east adjoining near the corner of Sheridan and E. Lafayette. A BEA was filed for the site in 2002. ASTI requested the associated EGLE record; however, it was not provided for review during the completion of this Phase I ESA.

REC OPINION: The east adjoining BEA site named 1013 & 1017 Sheridan is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.

8.2 Opinion

Based on the site inspection, interviews, regulatory and municipal records review, and review of historical documentation, the following is opined by the EP.

1. The EP did not identify any de minimis conditions associated with the Subject Property.

2. The EP did not identify any HRECs associated with the Subject Property.

3. The EP did not identify any CRECs associated with the Subject Property.

4. The EP did not identify any RECs associated with the Subject Property, except for the following.
   - The suspected former onsite use of a 1,000-gallon UST at 1470 Field Street is representative of a REC. The fate of the UST is unknown and it is common for USTs to have been orphaned in place.
   - Use of the south adjoining site for suspected dry cleaning at 7335 and 7345 E. Lafayette Avenue is representative of a REC. Dry cleaning solvents are commonly mismanaged and these locations are in close proximity to the Subject Property.
   - Use of the west adjoining site for suspect dry cleaning at 1122 Field Street (SEC Field & Agnes) is representative of a REC. Dry cleaning solvents are commonly mismanaged and this location is in close proximity to the Subject Property
   - The west adjoining BEA site named Adult Well-Bring Services is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.
   - The east adjoining BEA site named 1013 & 1017 Sheridan is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.

8.3 Additional Investigation

Additional investigation is recommended. ASTI recommends the following:

- A subsurface investigation to evaluate the identified RECs and significant data gap related to backfill.
- A lead-based paint inspection and risk assessment.

- An asbestos survey.

8.4 Data Gaps

Data gaps occur when the EP is unable to obtain information required despite a *good faith* effort.

Data failure is one type of data gap. According to ASTM Practice E1527-13, data failure occurs when all of the standard historical sources that are *reasonably ascertainable* and likely to be useful have been reviewed and yet the objectives have not been met. Historical sources are required to document property use back to the Subject Property's first developed use or back to 1940, whichever is earlier. A data failure occurred and is described below.

Data Gap	The Subject Property was developed prior to the earliest reasonably ascertainable standard historical sources.
Is this a significant data gap?	No
Rationale	It is likely that farmland and residential use were the first developed uses.

No additional data gaps were encountered during this investigation, except for those listed below.

Data Gap	At this site, there is no available information about the source of the backfill at historical developments. It is suspected that demolition debris would have been used as part of the backfilling process.
Is this a significant data gap?	Yes
Rationale	The practice of backfilling following demolition is relatively common and, in the past, little documentation was required during the process. Many sites across developed areas contain some amount of backfill. Based on a comparison of historical development layouts to current layouts, limited areas of post-building-removal fill may remain. These were interpreted by overlaying historical Sanborn maps and aerial photos onto a current aerial image using EDR's web-based mapping tool, Lightbox. Outbuildings are unlikely to have contained basements or otherwise required significant backfill since they are commonly constructed on slab foundations with footings. The areas where fill may be present are listed in Section 8.1. It is unlikely that detailed information about backfill exists.

Data Gap	ASTI was unable to review EGLE records for the following sites: • Adult Well-Being Services • 1013 & 1017 Sheridan • Vacant Property
Is this a significant data gap?	No
Rationale	EGLE records should contain information to better understand environmental risk. Both "Adult Well-Being Services" and "1013 & 1017 Sheridan" are currently classified as RECs in Section 8.5. It is likely that a review of these records would provide sufficient information to determine the likelihood of associated release migration onto the Subject Property. "Vacant Property" was not considered a REC based on distance, location across a utility corridor, downgradient location, and expected soil and groundwater conditions in the area.

Data Gap	Reviewed records demonstrate that fuel oil was historically used as a fuel source.
Is this a significant data gap?	No
Rationale	Based on the age of the residence (built in the late 1800s and early 1900s), there is a potential that heating oil was used as a fuel source prior to natural gas. If a buried heating oil fuel tank is found during any redevelopment activities, the tank should be properly decommissioned with verification sampling conducted. One potential UST has been identified and it is listed as a REC in Section 8.5.

8.5 Conclusions

We have performed a Phase I ESA in accordance with the scope and limitations of ASTM Practice E1527-13 of property located on Field Street and E. Grand Boulevard in Detroit, Wayne County, Michigan, the Subject Property. Any exceptions to, or deletions from, this practice are described in Section 5.4 of this report. This assessment has revealed no recognized environmental conditions in connection with the Subject Property, except for the following.

- The suspected former onsite use of a 1,000-gallon UST at 1470 Field Street is representative of a REC. The fate of the UST is unknown and it common for USTs to have orphaned in place.
- Use of the south adjoining site for suspected dry cleaning at 7335 and 7345 E. Lafayette Avenue is representative of a REC. Dry cleaning solvents are commonly mismanaged and these locations are in close proximity to the Subject Property.

- Use of the west adjoining site for suspect dry cleaning at 1122 Field Street (SEC Field & Agnes) is representative of a REC. Dry cleaning solvents are commonly mismanaged and this location is in close proximity to the Subject Property
- The west adjoining BEA site named Adult Well-Bring Services is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.
- The east adjoining BEA site named 1013 & 1017 Sheridan is representative of a REC. BEAs represent known releases. ASTI does not know the nature or extent of the release.

Additionally, ASTI identified the following significant data gap.

- At this site, there is no available information about the source of the backfill at historical developments. It is suspected that demolition debris would have been used as part of the backfilling process.

8.6 Additional Services

No additional services were performed.

8.7 Deviations

No deletions, deviations, or additions to E1527-13 have occurred during this assessment, except for MSHDA Environmental Review Requirements for 2019.

8.8 References

The following references were used in preparing this Phase I ESA.

- Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-13
- Michigan State Housing Development Authority Environmental Review Requirements for 2019
- Standard Guide for Vapor Encroachment Screening on Subject Property Involved in Real Estate Transactions: ASTM E2600-15
- The EDR Radius Map Report with GeoCheck
- The EDR Aerial Photo Decade Package
- EDR Certified Sanborn Map Report
- The EDR-City Directory Image Report
- User Questionnaire

- Owner Questionnaire
- Detroit Assessing Department
- Detroit BSEED
- Detroit Fire Department
- Wayne County Department of Public Services
- EGLE
- EGLE Perfected Environmental Liens List
- http://www.deq.state.mi.us/GeoWebFace/
- FEMA
- U.S Fish and Wildlife Service NWI
- NPMS

8.9 Signature(s) of Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Anthony Spencer, EP
Associate III

8.10 Qualification(s) of Environmental Professional(s)

Anthony Spencer has been conducting Phase I Environmental Site Assessments for ASTI Environmental for 8 years. Anthony Spencer has a Bachelor Degree in Environmental Science from Wayne State University.

9.0 NON-SCOPE SERVICES DISCUSSION

9.1 Asbestos-Containing Materials (ACMs)

The townhomes were constructed in 1992 and 1997. The apartment building was constructed in 1908. An ACM inspection will be contracted upon a MSHDA Conditional-Go award.

9.2 Lead-Based Paint (LBP)

The townhomes were constructed in 1992 and 1997. The apartment building was constructed in 1908. A LBP Inspection and Risk Assessment will be contracted upon a MSHDA Conditional-Go award.

9.3 Radon Gas

Wayne County is not a MSHDA radon mitigation county. Wayne County is located within EPA Radon Zone 3 and less than 25% of homes tested above 4 pCi/L per EGLE.

9.4 100-Year Floodplain

The Subject Property is not located within a flood hazard zone per FEMA Panel 26163CO285E dated February 2, 2012 (Appendix 10.7).

9.5 Wetlands

A wetland delineation was not included in the scope of this Phase I ESA. No obvious wetland features were observed on the Subject Property parcel. ASTI obtained a National Wetlands Inventory map from the U.S. Fish and Wildlife Service (Appendix 10.7). No NWI wetlands were identified.

9.6 EMF

EMF setbacks are not applicable as the Subject Property is developed with no new construction planned.

No cell towers or roof top phone towers, antennas, or arrays were observed.

9.7 High Pressure Buried Gas Lines

This item is not applicable as the Subject Property is developed with no new construction planned.

9.8 Noise Analysis

There are no applicable roads or highways within 1,000 feet. Nearby roadways have annual average daily traffic (AADT) below 5,000.

There are no active railroads within 3,000 feet.

There are three airports within 15 miles (Metro Airport, Detroit City Airport, and Windsor International Airport). The Subject Property is outside of predicted noise exposure areas for each airport.

9.9 Assessment of Potential Vapor Encroachment Conditions, ASTM E 2600-15

The purpose of Tier 1 and Tier 2 Non-Invasive screening is to conduct an initial screen to determine if a vapor encroachment condition (VEC) exists in connection with the Subject Property. The vapor encroachment screen (VES) is conducted in accordance with ASTM E 2600-15.

Screening tests: 1) search distance test to determine if there are any known or suspected contaminated properties in the area of concern (AOC) 2) a chemicals of concern (COC) test to determine for those known or suspect contaminated properties within the AOC whether or not COC are likely to be present. The critical distance is defined as the lineal distance in any direction between the nearest edge of the contaminated plume and the nearest property boundary. For contaminated properties downgradient of the Subject Property the AOC is reduced to the area within the critical distance.

- Critical distance = 30 feet for dissolved petroleum hydrocarbon COC
- Critical distance = 100 feet for COC and petroleum hydrocarbon COC @ LNAPL

Based on the physical setting source discussed in Section 5.3 (i.e., silty clay with no groundwater), the screening distances were reduced to the critical distances.

Based on the information presented in this report, ASTI has identified the following pVECs:

- The suspected former onsite use of a 1,000-gallon UST at 1470 Field Street. The fate of the UST is unknown and it common for USTs to have orphaned in place.

- Use of the south adjoining site for suspected dry cleaning at 7335 and 7345 E. Lafayette Avenue. Dry cleaning solvents are commonly mismanaged and these locations are in close proximity to the Subject Property.
- Use of the west adjoining site for suspect dry cleaning at 1122 Field Street (SEC Field & Agnes). Dry cleaning solvents are commonly mismanaged and this location is in close proximity to the Subject Property
- The west adjoining BEA site named Adult Well-Bring Services. BEAs represent known releases. ASTI does not know the nature or extent of the release.
- The east adjoining BEA site named 1013 & 1017 Sheridan. BEAs represent known releases. ASTI does not know the nature or extent of the release.

The screening process concludes that a VEC cannot be ruled out.

10.0 APPENDICES

10.1 Site Location Map/USGS 7.5 min. Topographic Map

10.2 Site Features Map

10.3 Site Photographs

10.4 Historical Research Documentation: Aerial Photographs, Certified Sanborn Map Report, and City Directory Summary

10.5 Regulatory Records Documentation: The EDR Radius Map Report with GeoCheck, EGLE FOIA/File Documentation, Health Department Response, Assessing Records, City of Detroit Fire Department, City of Detroit BSEED, and EGLE Perfected Environmental Liens

10.6 Interview Documentation: MSHDA User's Questionnaire and Owner Questionnaire

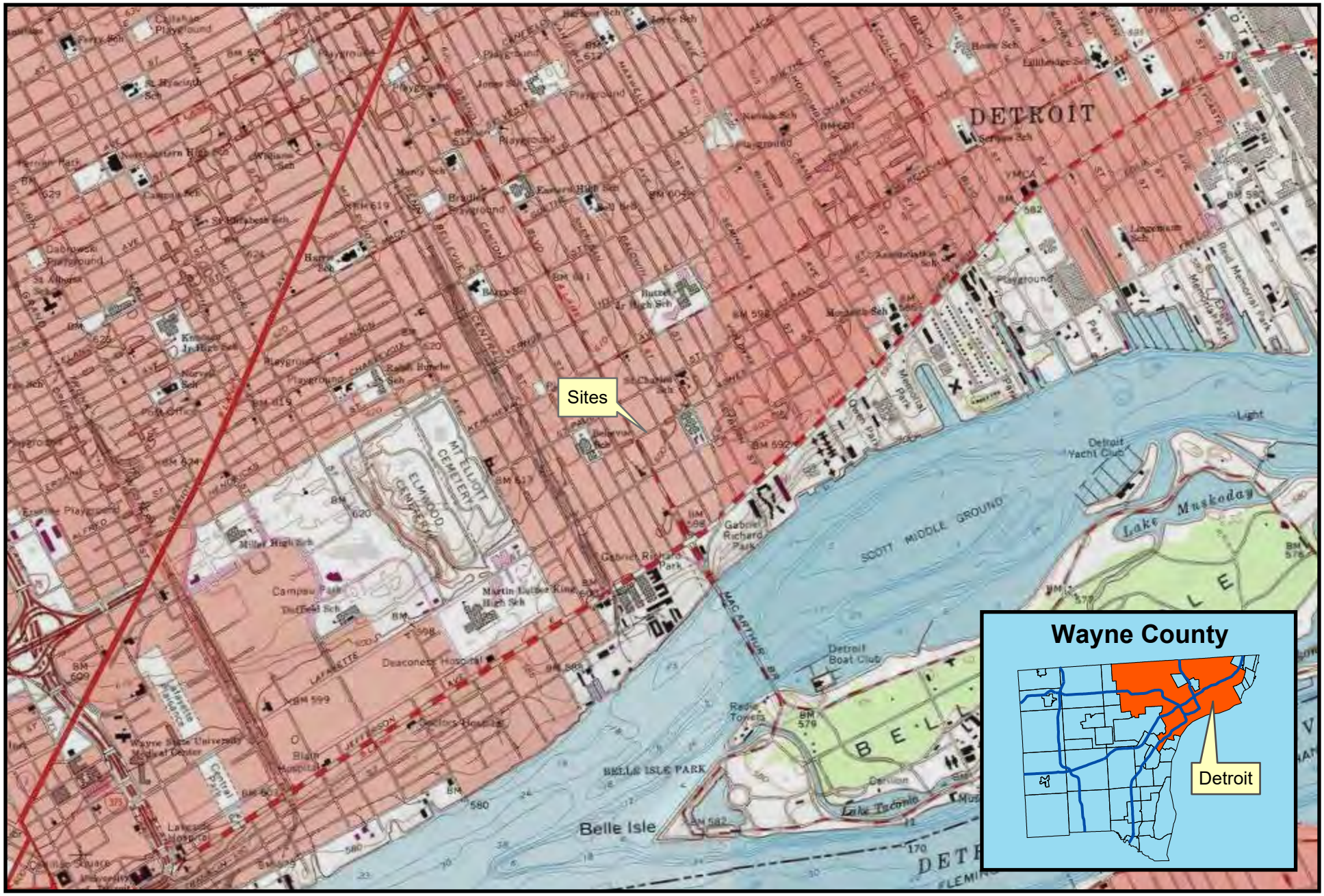
10.7 Special Contractual Conditions Between User and Environmental Professional: FEMA Map, NWI Map, Airport Noise Contour Maps, and Pipe Line Map

10.8 Qualifications of the Environmental Professional(s)

10.9 MSHDA Phase I Letter of Reliance

10.10 Copy of Environmental Professional Insurance Certificate

10.1 Site Location Map/USGS 7.5 min. Topographic Map



Field St. and E. Grand Blvd. Detroit, MI

2,000 1,000 0 2,000 Feet

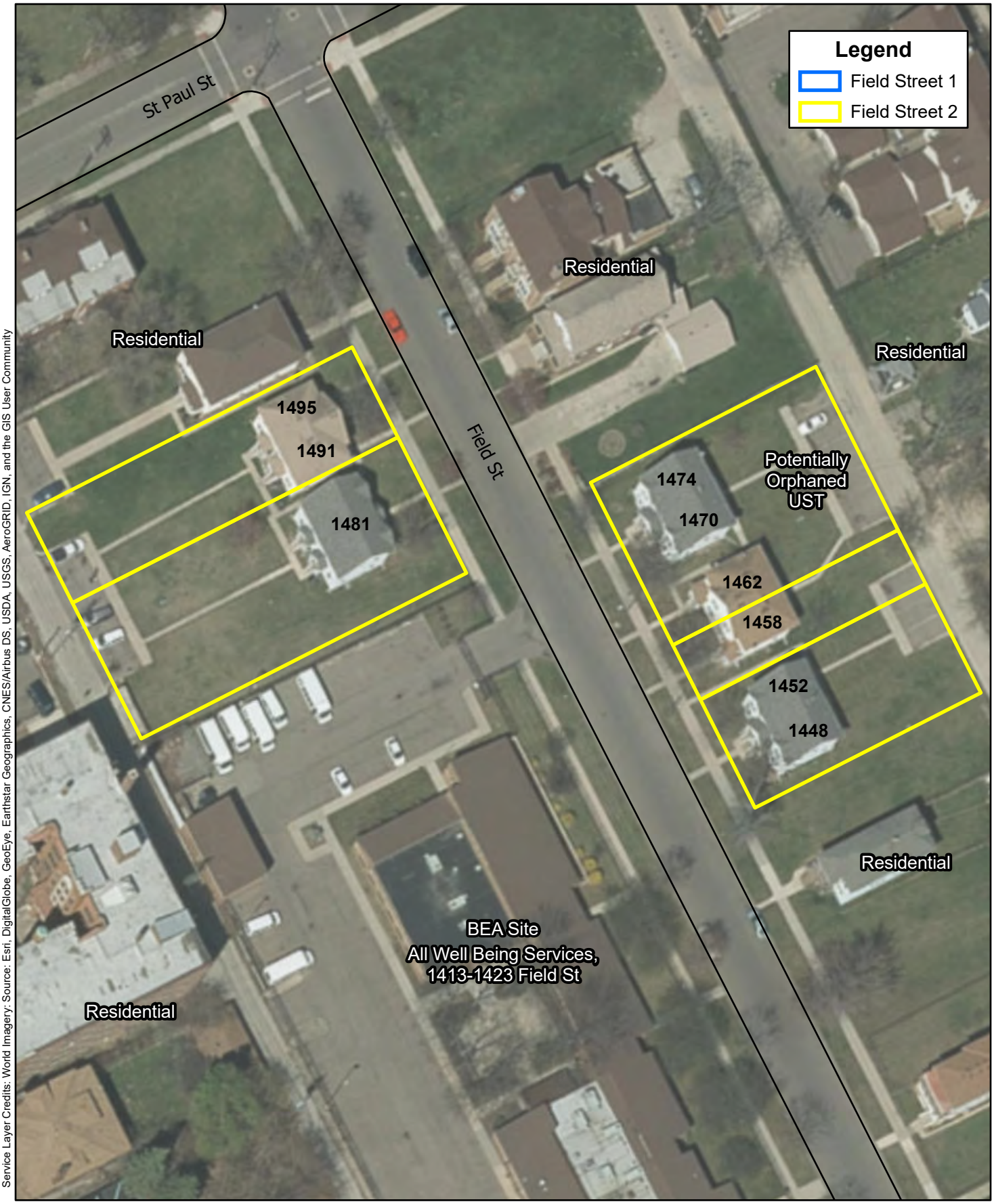
N

ASTI Environmental

Created for: Field Street III LDHA LLC
Created by: RMH, November 11, 2019, ASTI Project 11284

Site Location Map

10.2 Site Features Map



Field St. and E. Grand Blvd.

Detroit, MI

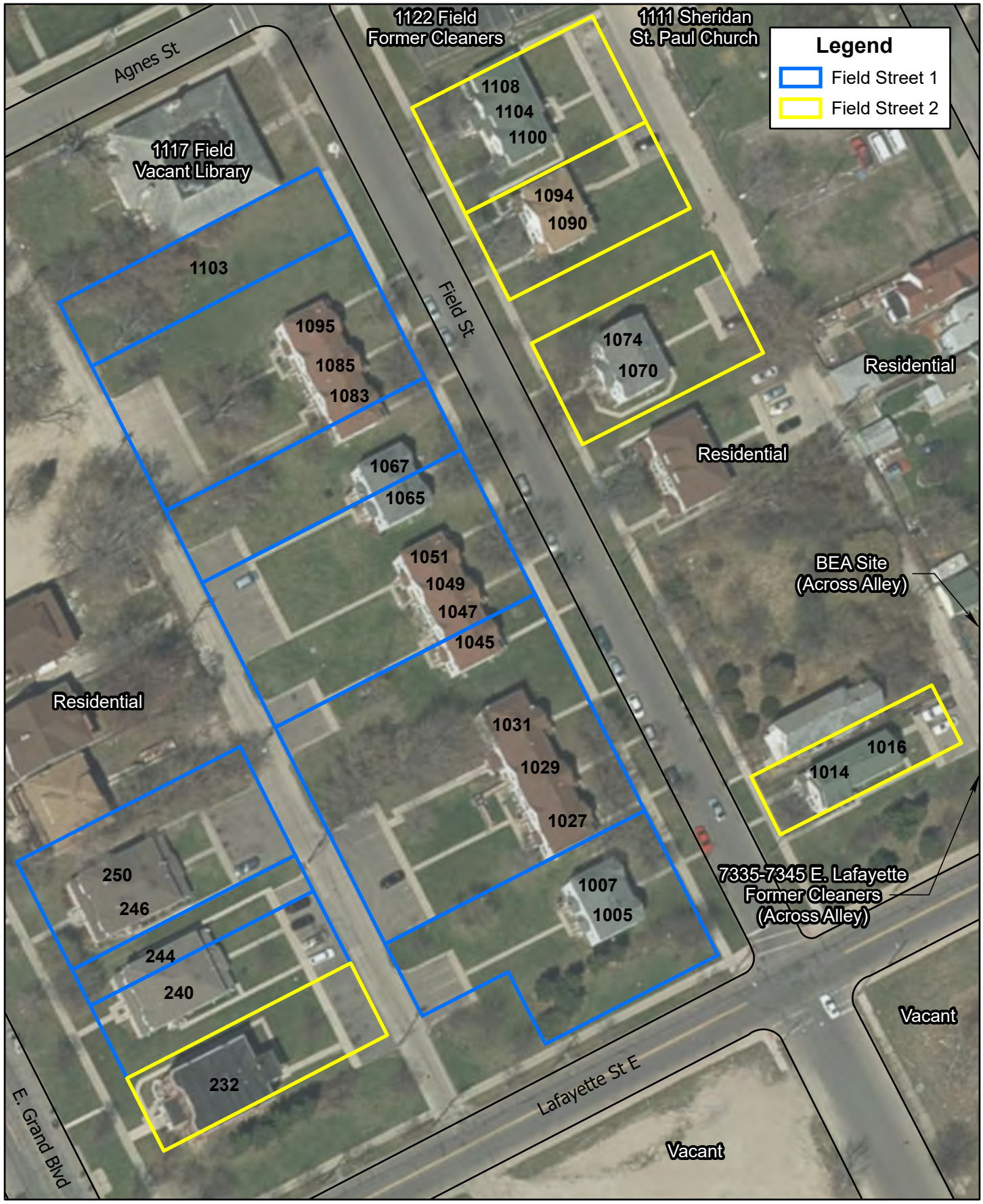
0 25 50 100 Feet

N

ASTI Environmental

Client: Field Street III LDHA LLC
Created by: RMH, November 12, 2019, ASTI Project 11284

Site Features Map 1



Service Layer Credits: World Imagery: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Field St. and E. Grand Blvd.

Detroit, MI

0 25 50 100 Feet

N

ASTI Environmental

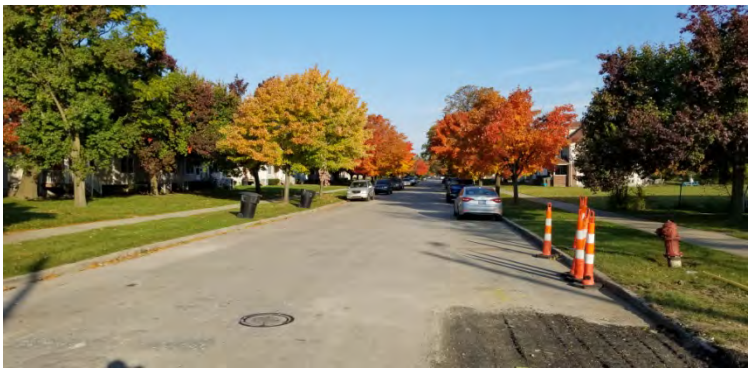
Client: Field Street III LDHA LLC
Created by: RMH, November 13, 2019, ASTI Project 11284

Site Features Map 2

10.3 Site Photographs

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 1.** Field Street, facing north near E. Lafayette
	**Photo 2.** Example of an onsite townhome on Field Street
	**Photo 3.** Example of an onsite townhome on Field Street

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

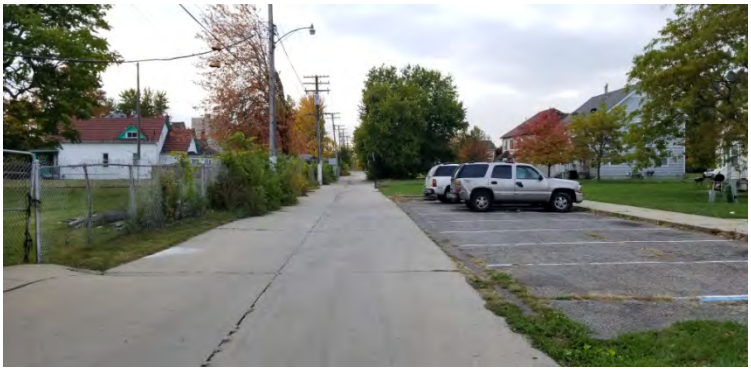
Field Street I & II, Detroit, Michigan

	**Photo 4.** Example of an onsite townhome on Field Street
	**Photo 5.** The onsite townhome with a tarp-patched roof
	**Photo 6.** The onsite apartment building at the corner of E. Lafayette and E. Grand

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 7.** Example of an onsite townhome on E. Grand
	**Photo 8.** Example alley and parking lot
	**Photo 9.** Example alley and parking lot

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 10.** Example of an onsite pad-mounted transformer
	**Photo 11.** Example of onsite trash disposal
	**Photo 12.** Example of gas connections

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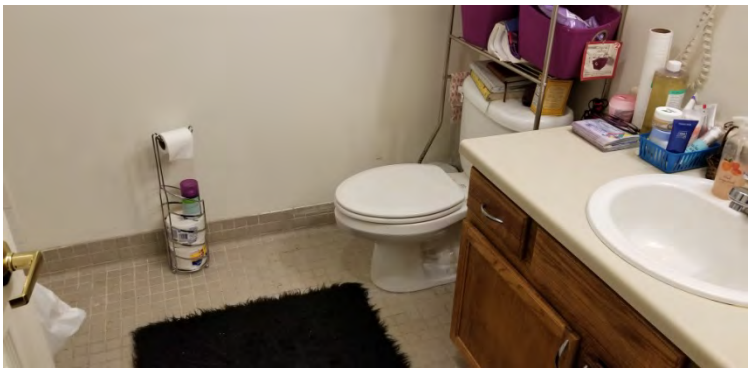
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

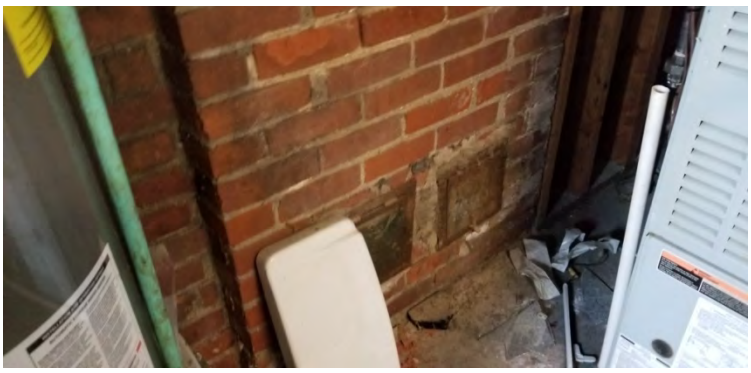
Field Street I & II, Detroit, Michigan

	**Photo 13.** Example bathroom in the apartment building
	**Photo 14.** Example bedroom in the apartment building
	**Photo 15.** Example kitchen in the apartment building

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 16.** The basement in the apartment building
	**Photo 17.** The water heaters in the apartment building
	**Photo 18.** A chimney cleanout in the apartment building

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 19.** Example kitchen in a townhome
	**Photo 20.** Example heater in the basement of a townhome
	**Photo 21.** Example water heater in the basement of a townhome

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 22.** Example bedroom in a townhome
	**Photo 23.** Example of dwelling/flats that adjoin along Field, E. Grand, and Sheridan
	**Photo 24.** The adjoining vacant library on Field and Agnes

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

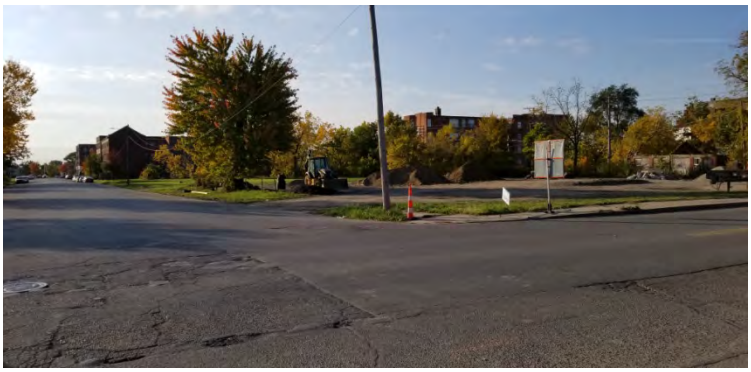
Field Street I & II, Detroit, Michigan

	**Photo 25.** The adjoining church on Sheridan and Agnes
	**Photo 26.** The adjoining All Well Being Services on Field and Agnes
	**Photo 27.** Example of adjoining vacant land

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

PHOTO LOG

Field Street I & II, Detroit, Michigan

	**Photo 28.** Example of adjoining vacant land

ASTI Project No. 11284
October 24, 2019
Photographed By Anthony Spencer

10.4 Historical Research Documentation: Aerial Photographs, Certified Sanborn Maps, and City Directory Summary

1005 Field Street

1005 Field Street

Detroit, MI 48214

Inquiry Number: 5823671.8

October 10, 2019

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

10/10/19

Site Name:

1005 Field Street
1005 Field Street
Detroit, MI 48214
EDR Inquiry # 5823671.8

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116
Contact: Kera Sharpe

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: March 28, 1999	USGS/DOQQ
1997	1"=500'	Flight Date: May 04, 1997	DTE
1987	1"=500'	Flight Date: June 17, 1987	USDA
1981	1"=500'	Flight Date: October 17, 1981	DTE
1972	1"=500'	Flight Date: July 01, 1972	USDA
1967	1"=500'	Flight Date: May 16, 1967	DTE
1961	1"=500'	Flight Date: May 30, 1961	DTE
1956	1"=500'	Flight Date: April 13, 1956	DTE
1952	1"=500'	Flight Date: August 17, 1952	DTE
1949	1"=500'	Flight Date: April 28, 1949	DTE
1937	1"=500'	Flight Date: July 23, 1937	USDA

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INQUIRY #: 5823671.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 1999
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 1997
= 500'
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EDR


INQUIRY #: 5823671.8
YEAR: 1987
= 500'
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EDR


INQUIRY #: 5823671.8
YEAR: 1981
= 500'
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EDR


INQUIRY #: 5823671.8
YEAR: 1972
= 500'
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EDR

INQUIRY #: 5823671.8

YEAR: 1967

= 500'

N

EDR


INQUIRY #: 5823671.8
YEAR: 1961
= 500'
N
EDR

INQUIRY #: 5823671.8

YEAR: 1956

= 500'

N

EDR


INQUIRY #: 5823671.8
YEAR: 1952
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 1949
= 500'
N
EDR


INQUIRY #: 5823671.8
YEAR: 1937
= 500'
N
EDR

1005 Field Street

1005 Field Street

Detroit, MI 48214

Inquiry Number: 5823671.3

October 11, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/11/19

Site Name:

1005 Field Street
1005 Field Street
Detroit, MI 48214
EDR Inquiry # 5823671.3

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116
Contact: Kera Sharpe

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Applied Science & Technology were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # D0CE-40ED-AAAD

PO # NA

Project 11284

Maps Provided:

2002	1951
1996	1941
1991	1915
1989	1910
1977	1897
1961	
1957	
1953	

Sanborn® Library search results

Certification #: D0CE-40ED-AAAD

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2002 Source Sheets

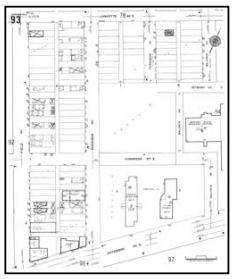
Volume 8, Sheet 75
2002

Volume 8, Sheet 76
2002

Volume 8, Sheet 77
2002

Volume 8, Sheet 78
2002

Volume 8, Sheet 92
2002



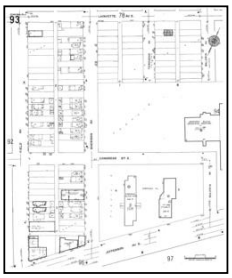
Volume 8, Sheet 93
2002

1996 Source Sheets

Volume 8, Sheet 77
1996

Volume 8, Sheet 78
1996

Volume 8, Sheet 92
1996



Volume 8, Sheet 93
1996

Volume 8, Sheet 76
1996

Volume 8, Sheet 75
1996

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1991 Source Sheets

Volume 8, Sheet 75
1991

Volume 8, Sheet 76
1991

Volume 8, Sheet 77
1991

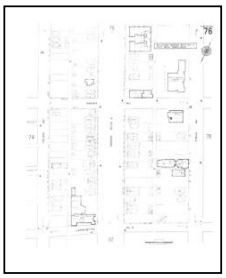
Volume 8, Sheet 78
1991

Volume 8, Sheet 92
1991

Volume 8, Sheet 93
1991

1989 Source Sheets

Volume 8, Sheet 75
1989



Volume 8, Sheet 76
1989

Volume 8, Sheet 77
1989

Volume 8, Sheet 78
1989

Volume 8, Sheet 92
1989

Volume 8, Sheet 93
1989

Sanborn Sheet Key

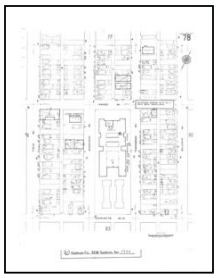
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1977 Source Sheets

Volume 8, Sheet 75
1977

Volume 8, Sheet 76
1977

Volume 8, Sheet 77
1977

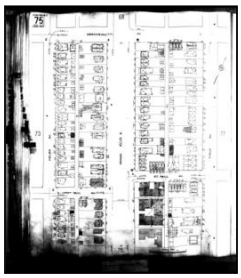


Volume 8, Sheet 78
1977

Volume 8, Sheet 92
1977

Volume 8, Sheet 93
1977

1961 Source Sheets



Volume 8, Sheet 75
1961

Volume 8, Sheet 76
1961

Volume 8, Sheet 77
1961

Volume 8, Sheet 78
1961

Volume 8, Sheet 92
1961

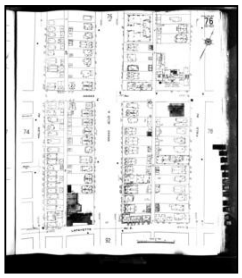
Volume 8, Sheet 93
1961

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1957 Source Sheets

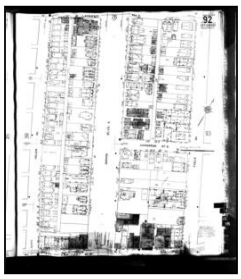
Volume 8, Sheet 75
1957



Volume 8, Sheet 76
1957

Volume 8, Sheet 77
1957

Volume 8, Sheet 78
1957



Volume 8, Sheet 92
1957

Volume 8, Sheet 93
1957

1953 Source Sheets

Volume 8, Sheet 75
1953

Volume 8, Sheet 76
1953

Volume 8, Sheet 77
1953

Volume 8, Sheet 78
1953

Volume 8, Sheet 92
1953

Volume 8, Sheet 93
1953

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1951 Source Sheets

Volume 8, Sheet 93
1951

Volume 8, Sheet 75
1951

Volume 8, Sheet 76
1951

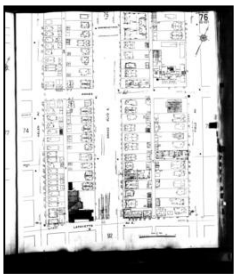
Volume 8, Sheet 77
1951

Volume 8, Sheet 78
1951

Volume 8, Sheet 92
1951

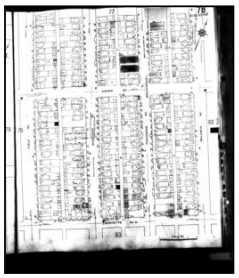
1941 Source Sheets

Volume 8, Sheet 75
1941



Volume 8, Sheet 76
1941

Volume 8, Sheet 77
1941



Volume 8, Sheet 78
1941

Volume 8, Sheet 92
1941

Volume 8, Sheet 93
1941

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1915 Source Sheets

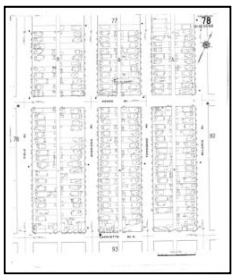
Volume 8, Sheet 75
1915

Volume 8, Sheet 92
1915

Volume 8, Sheet 93
1915

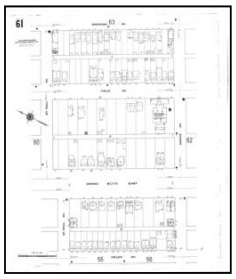
Volume 8, Sheet 76
1915

Volume 8, Sheet 77
1915

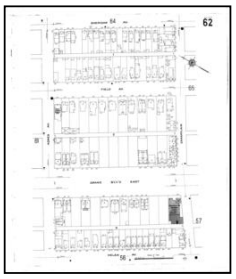


Volume 8, Sheet 78
1915

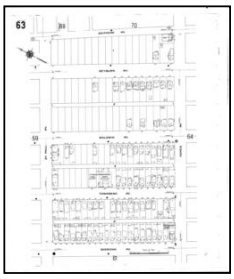
1910 Source Sheets



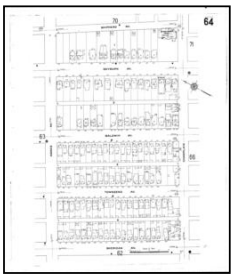
Volume 8, Sheet 61
1910



Volume 8, Sheet 62
1910



Volume 8, Sheet 63
1910



Volume 8, Sheet 64
1910

Volume 8, Sheet 65
1910

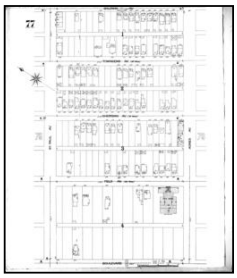
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

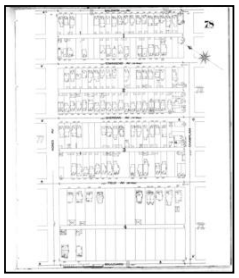
1897 Source Sheets

Volume 6, Sheet 72
1897

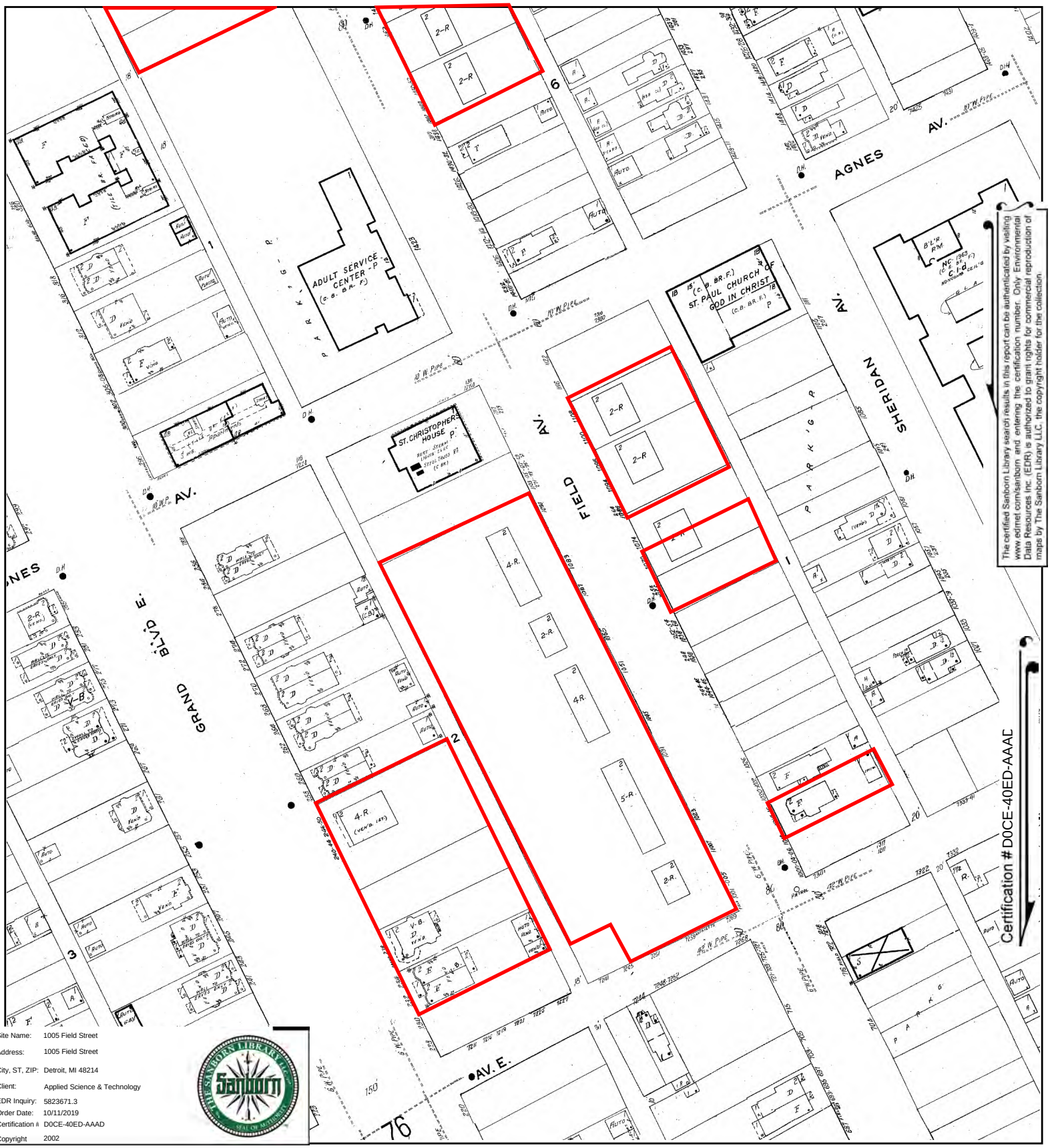
Volume 6, Sheet 73
1897



Volume 6, Sheet 77
1897

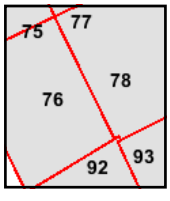


Volume 6, Sheet 78
1897



Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	2002

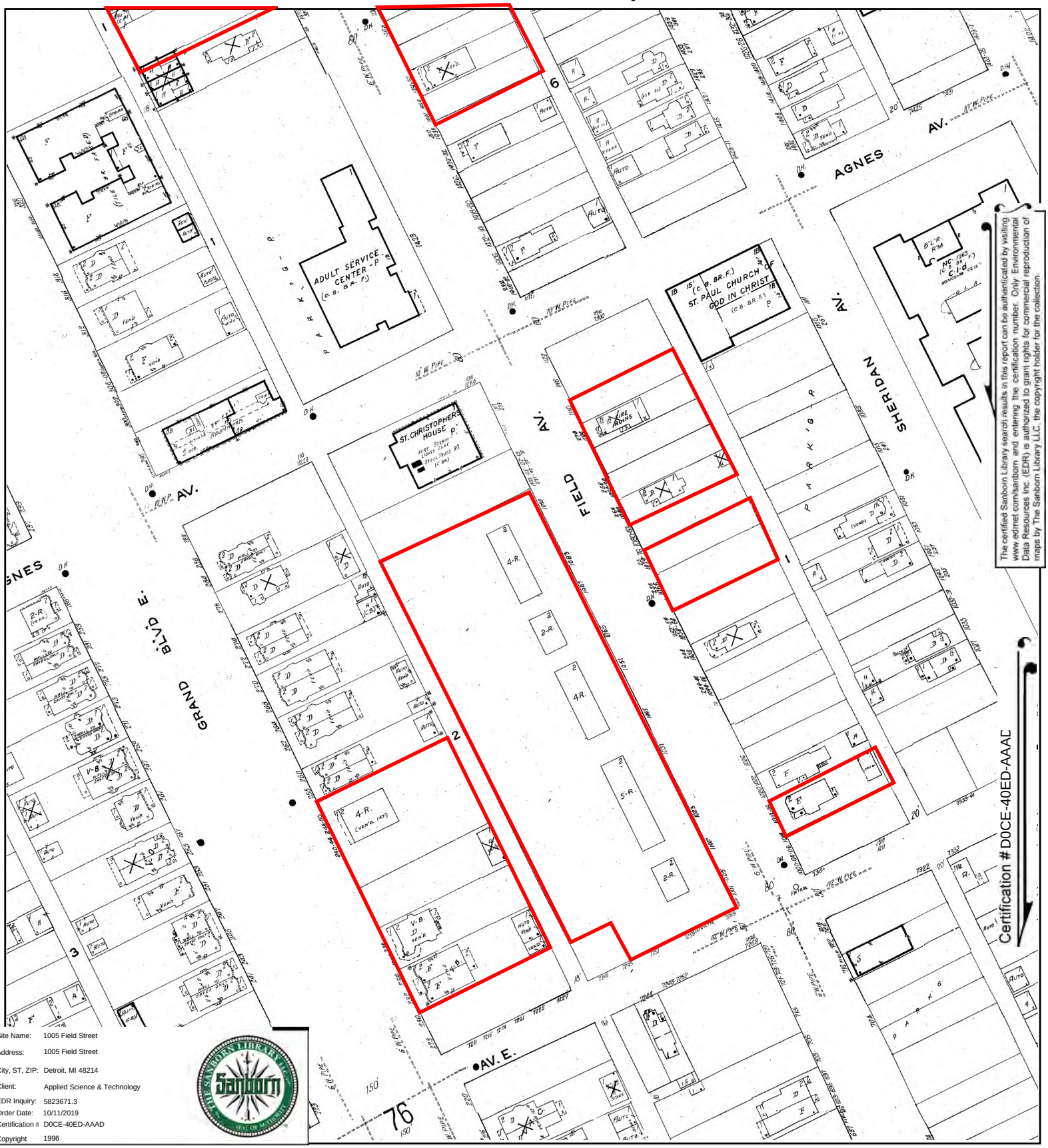
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

0 Feet 150 300 600

N



Certification # D0CE-40ED-AAAD

Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #	D0CE-40ED-AAAD
Copyright	1996

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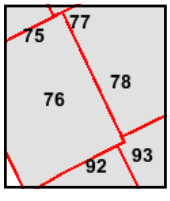
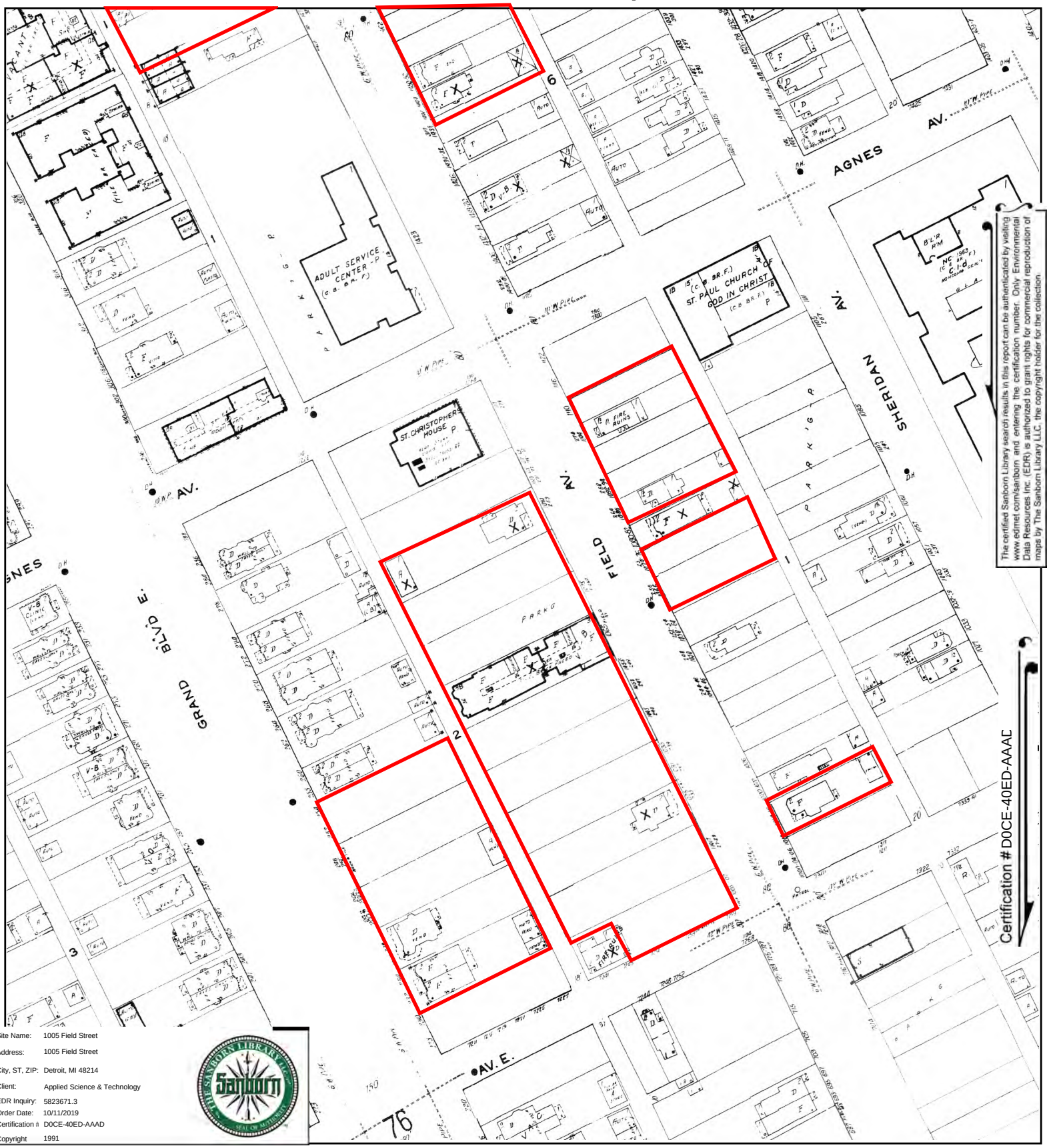


Volume 8, Sheet 75
Volume 8, Sheet 76
Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77

N



Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1991

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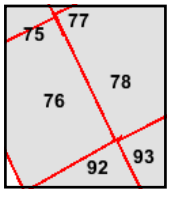

Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

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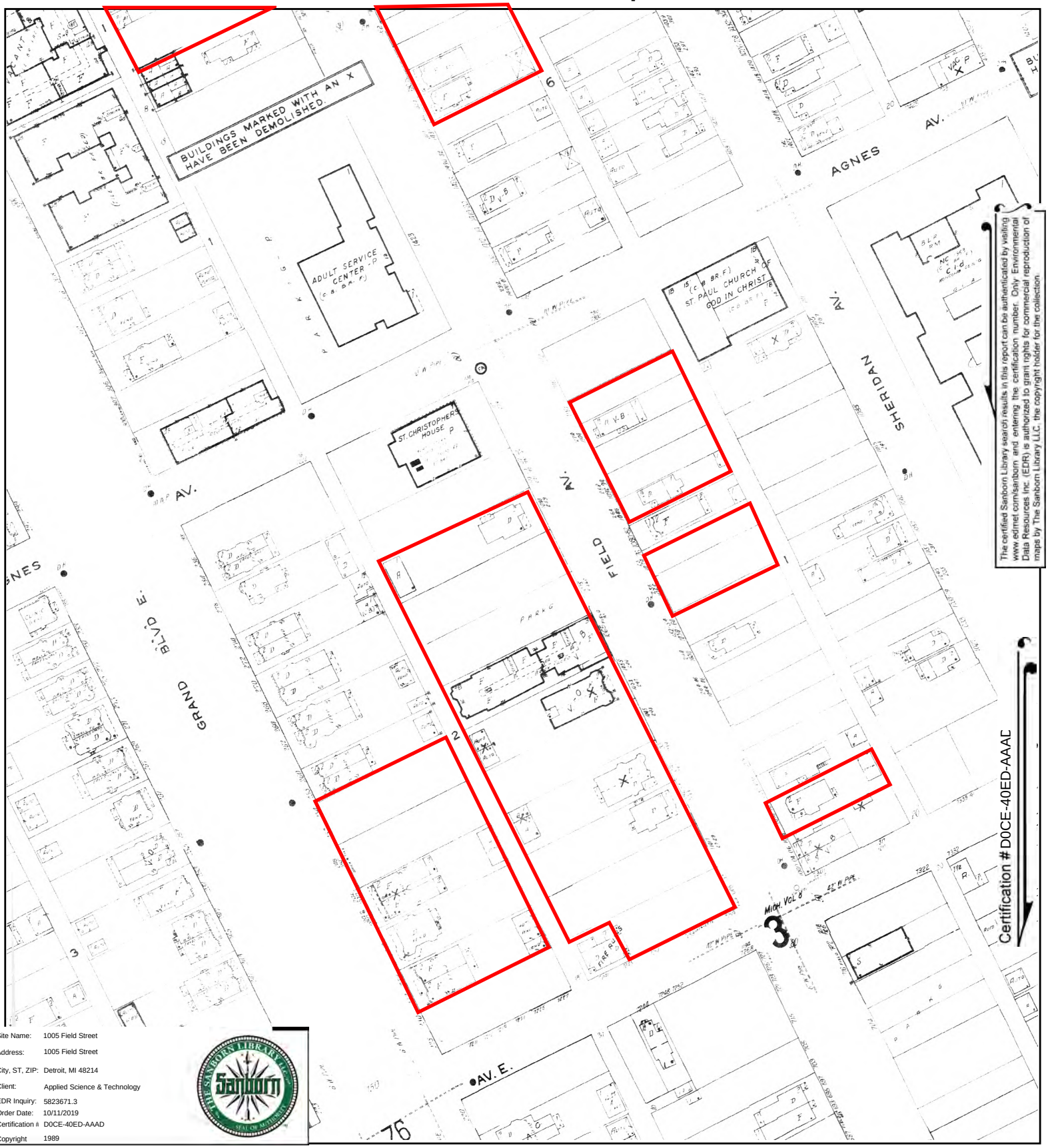

Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #	D0CE-40ED-AAAD
Copyright	1989

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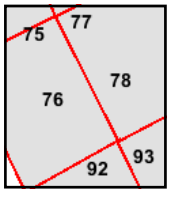

Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

0 Feet 150 300 600

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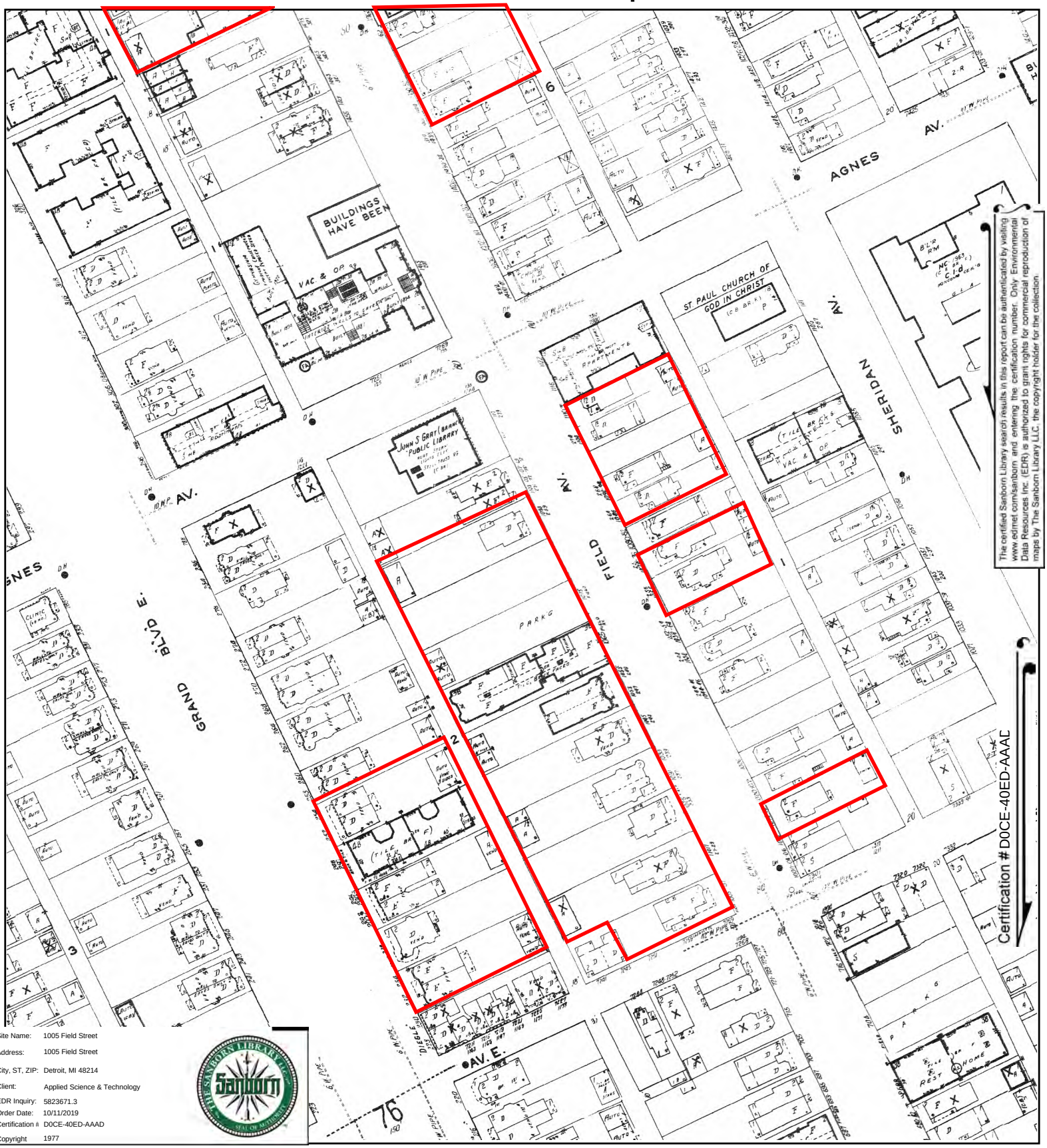

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City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1977

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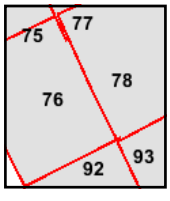

Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

0 Feet 150 300 600

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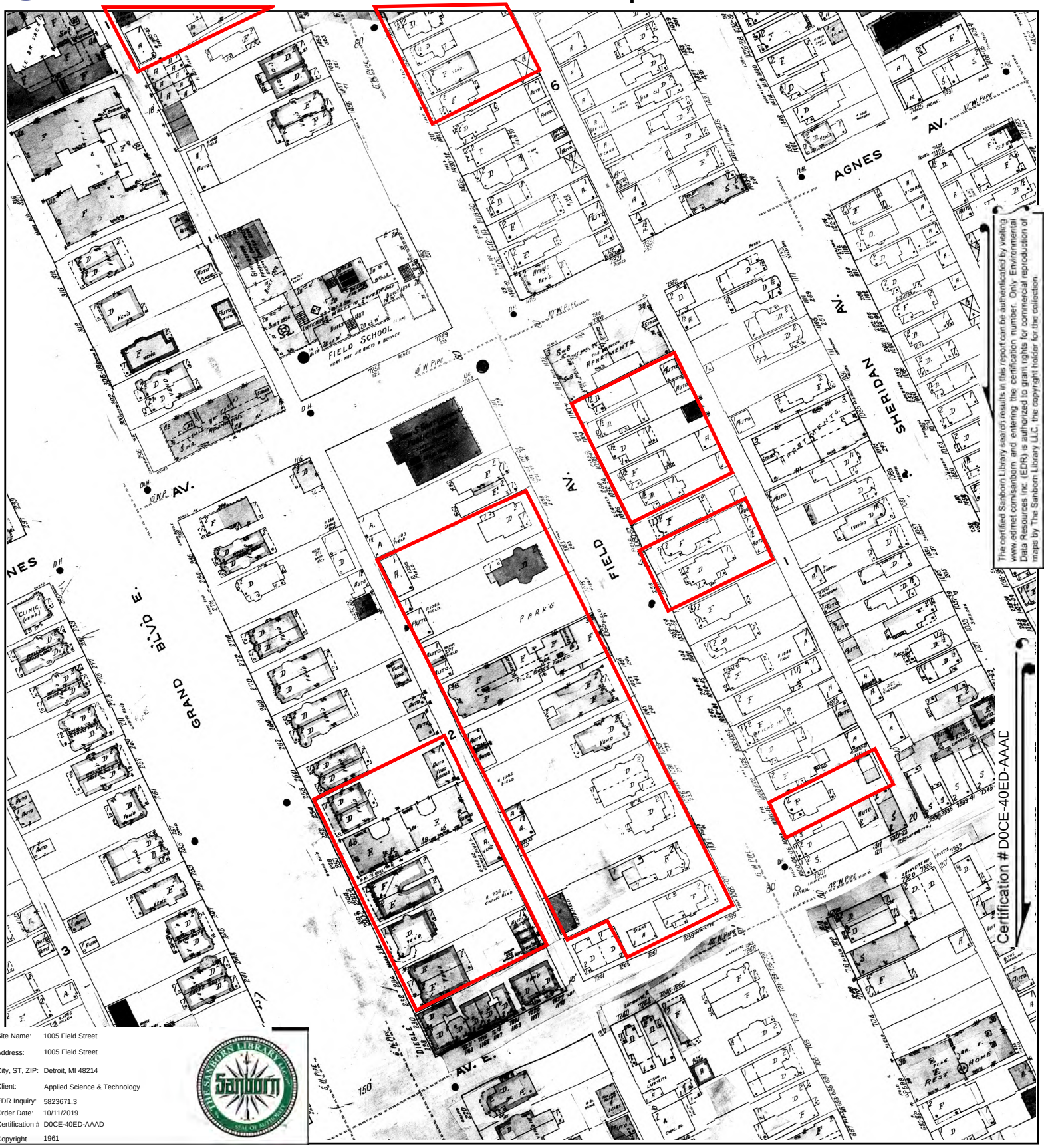

Site Name:	1005 Field Street
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City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1961

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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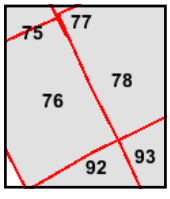
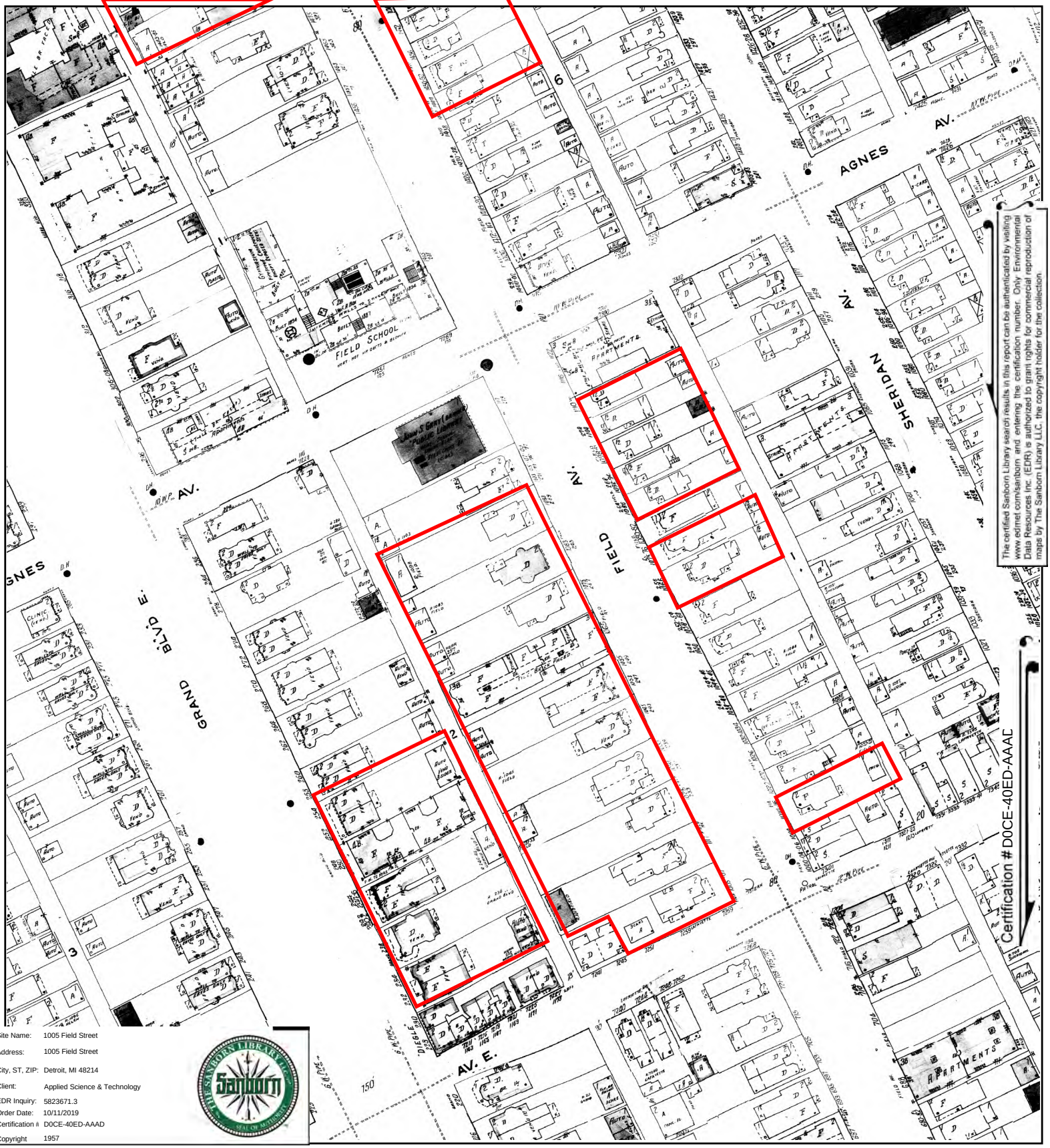


Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

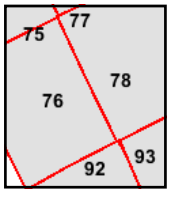
N



Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1957

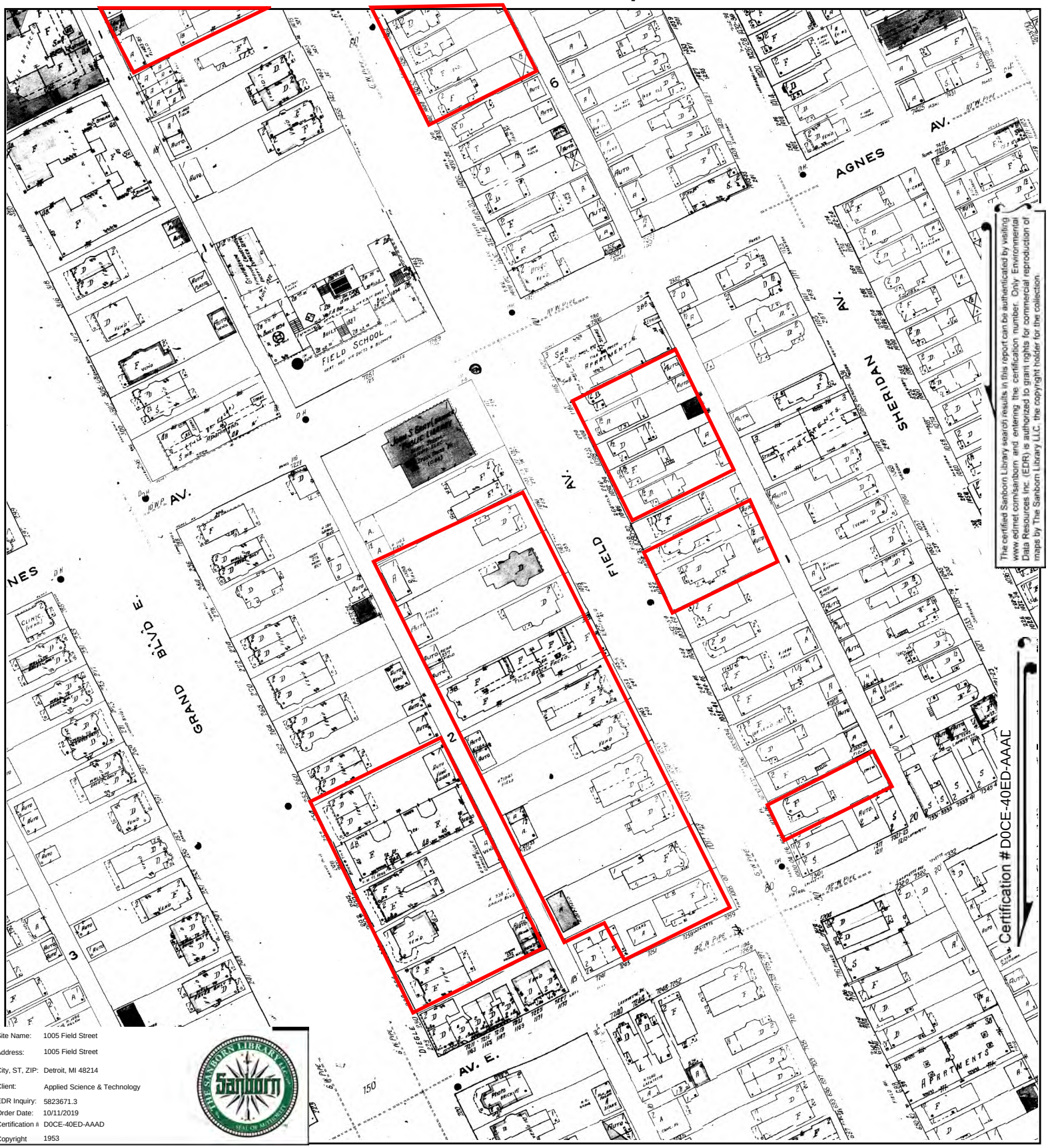
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

N

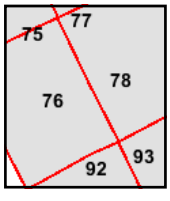


Certification # D0CE-40ED-AAAD

Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1953

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

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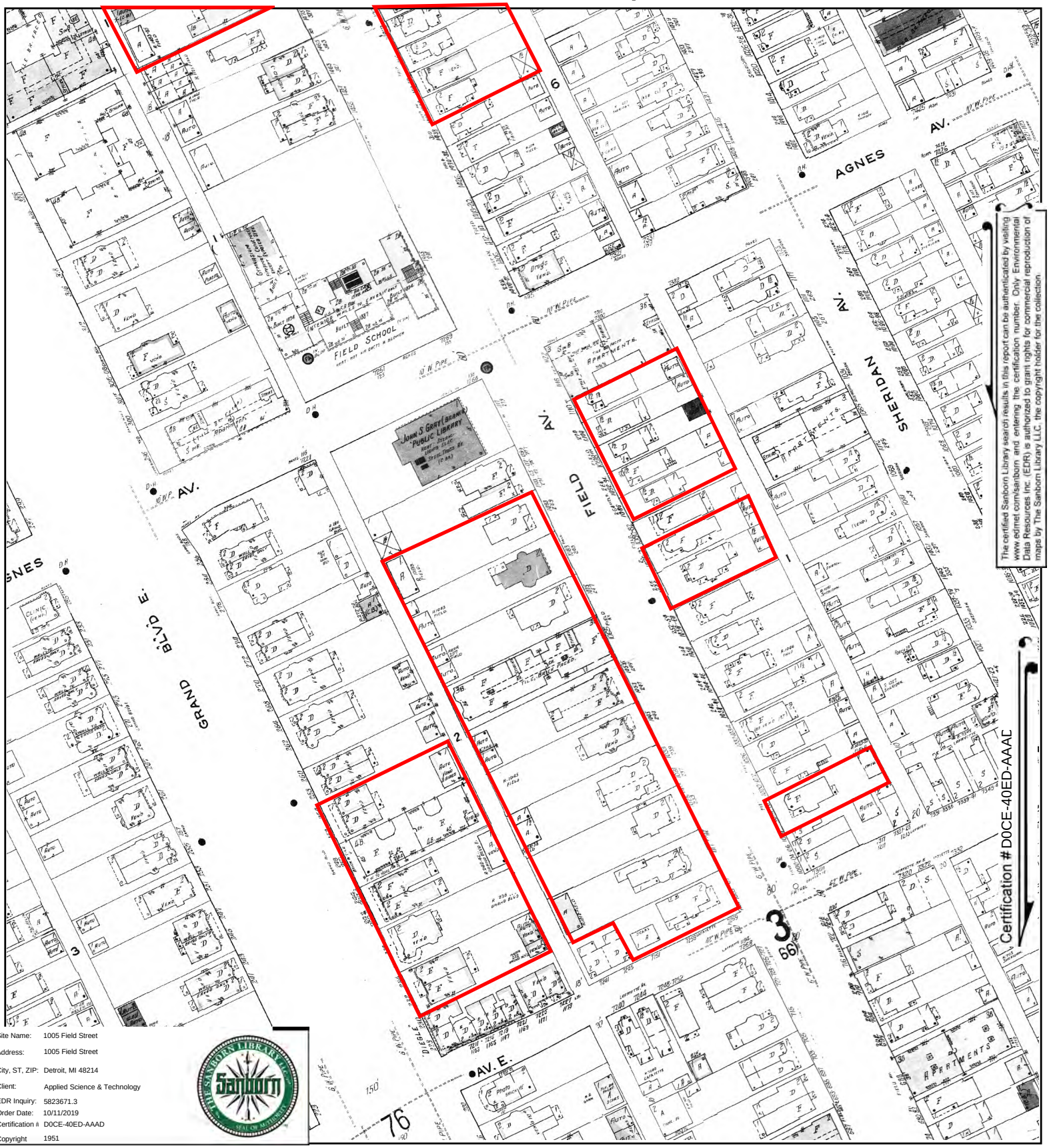

Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
EDR Inquiry:	5823671.3
Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1951

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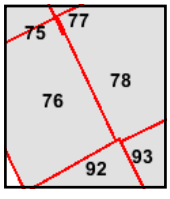

Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75
Volume 8, Sheet 93

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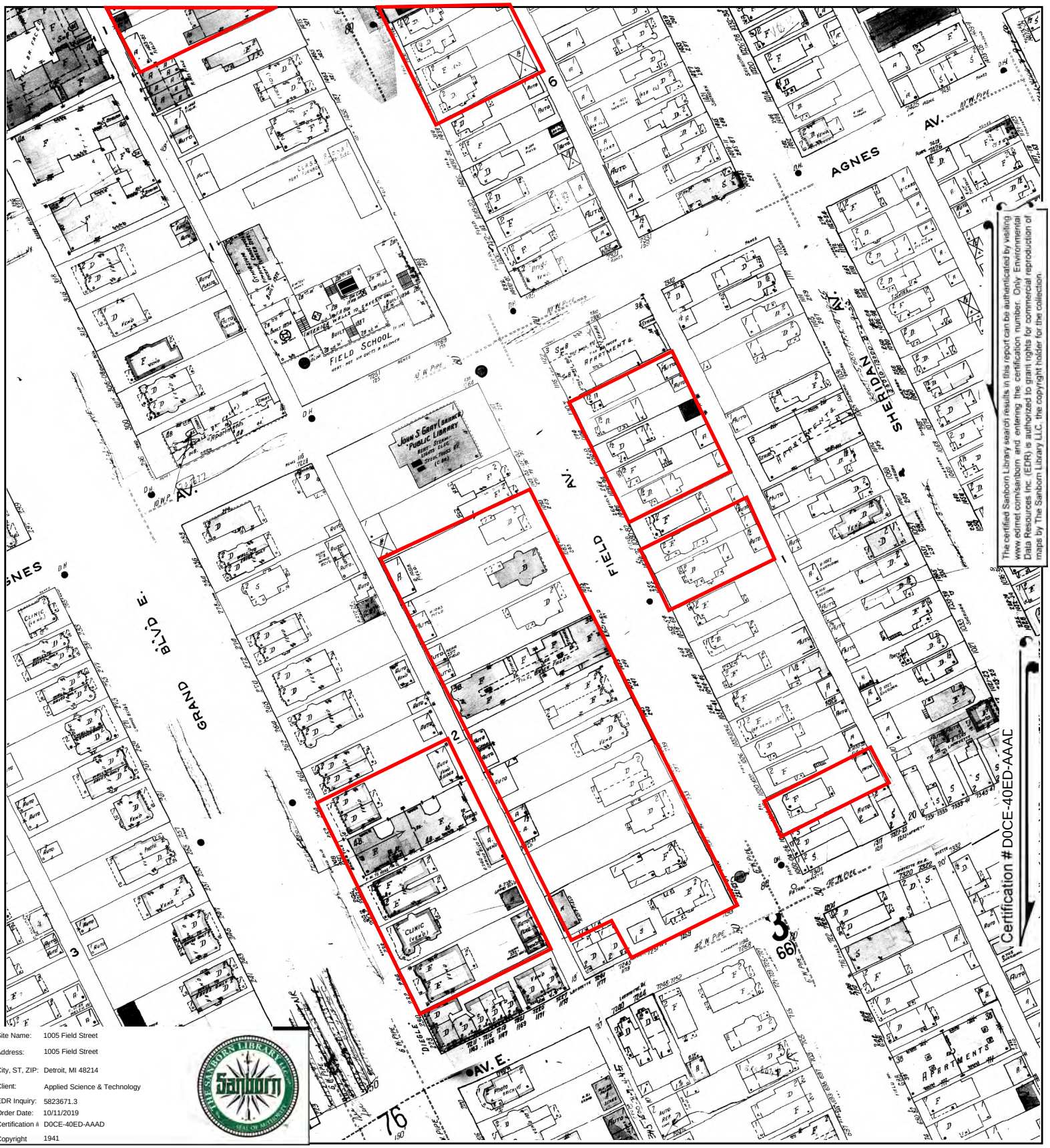

Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
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Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1941

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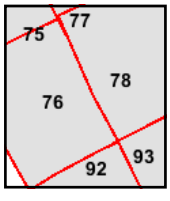

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Volume 8, Sheet 92
Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

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Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
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Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1915

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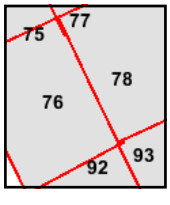

Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 93
Volume 8, Sheet 92
Volume 8, Sheet 75

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Site Name:	1005 Field Street
Address:	1005 Field Street
City, ST, ZIP:	Detroit, MI 48214
Client:	Applied Science & Technology
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Order Date:	10/11/2019
Certification #:	D0CE-40ED-AAAD
Copyright	1910

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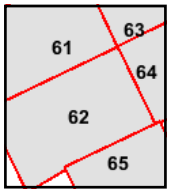

Volume 8, Sheet 65
Volume 8, Sheet 64
Volume 8, Sheet 63
Volume 8, Sheet 62
Volume 8, Sheet 61

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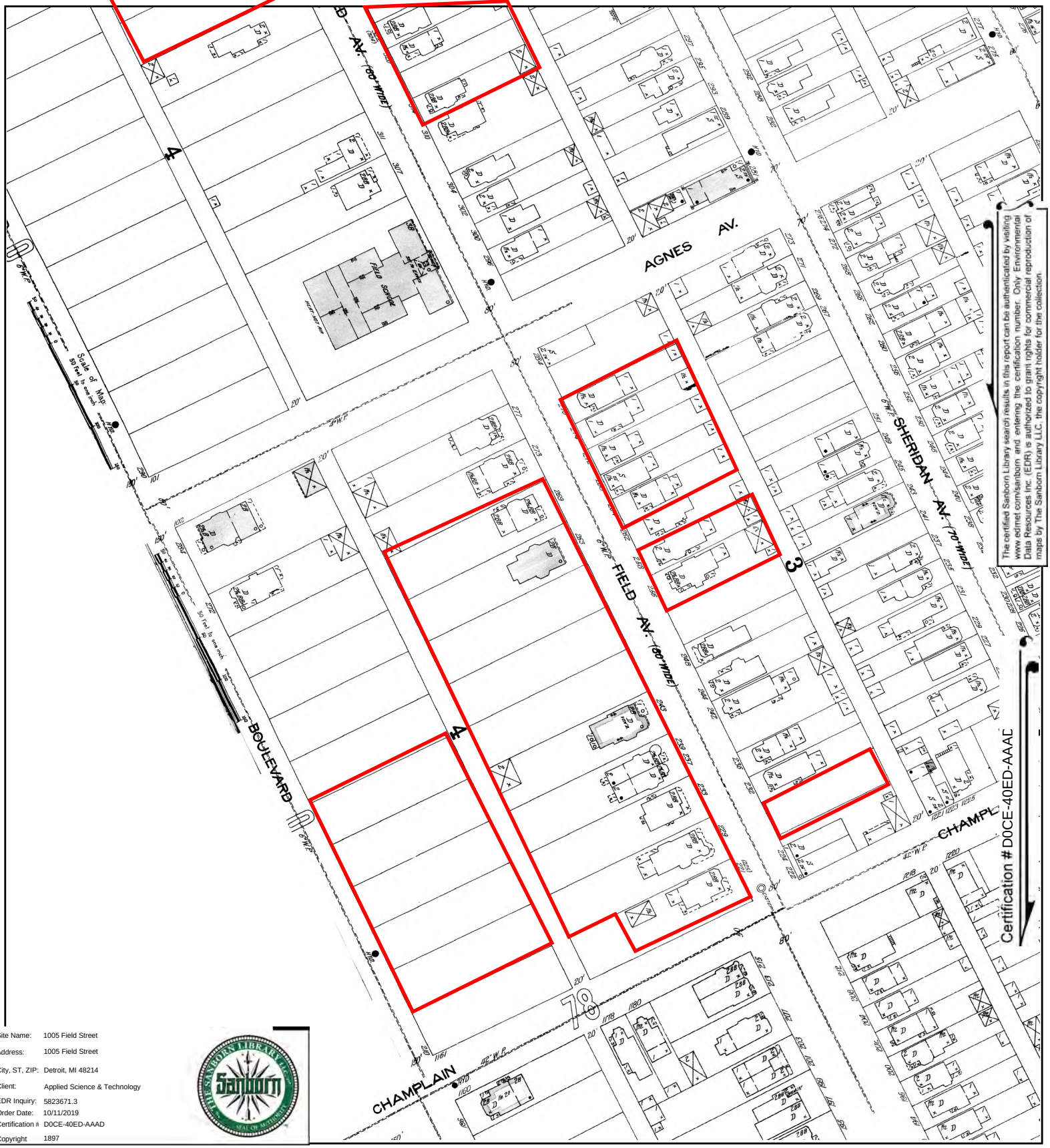

Site Name: 1005 Field Street
Address: 1005 Field Street
City, ST, ZIP: Detroit, MI 48214
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
Order Date: 10/11/2019
Certification #: D0CE-40ED-AAAD
Copyright: 1897

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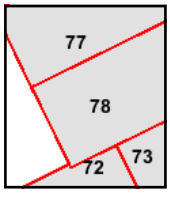

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Volume 6, Sheet 77
Volume 6, Sheet 73
Volume 6, Sheet 72

0 Feet 150 300 600

N

1005 Field Street

1005 Field Street

Detroit, MI 48214

Inquiry Number: 5823671.3

October 11, 2019

Certified Sanborn® Map Report

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Certified Sanborn® Map Report

10/11/19

Site Name:

1005 Field Street
1005 Field Street
Detroit, MI 48214
EDR Inquiry # 5823671.3

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116
Contact: Kera Sharpe

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Project 11284

Maps Provided:

2002	1951
1996	1941
1991	1915
1989	1910
1977	1897
1961	
1957	
1953	

Sanborn® Library search results

Certification #: D0CE-40ED-AAAD

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Key

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2002 Source Sheets


Volume 8, Sheet 75
2002


Volume 8, Sheet 76
2002


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2002


Volume 8, Sheet 78
2002

1996 Source Sheets


Volume 8, Sheet 77
1996


Volume 8, Sheet 78
1996


Volume 8, Sheet 76
1996


Volume 8, Sheet 75
1996

1991 Source Sheets


Volume 8, Sheet 75
1991


Volume 8, Sheet 76
1991


Volume 8, Sheet 77
1991


Volume 8, Sheet 78
1991

1989 Source Sheets


Volume 8, Sheet 75
1989


Volume 8, Sheet 76
1989


Volume 8, Sheet 77
1989


Volume 8, Sheet 78
1989

Sanborn Sheet Key

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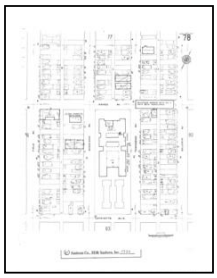
1977 Source Sheets

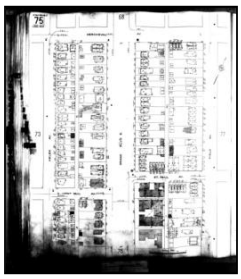

Volume 8, Sheet 75
1977


Volume 8, Sheet 76
1977


Volume 8, Sheet 77
1977


Volume 8, Sheet 78
1977

1961 Source Sheets


Volume 8, Sheet 75
1961


Volume 8, Sheet 76
1961


Volume 8, Sheet 77
1961


Volume 8, Sheet 78
1961

1957 Source Sheets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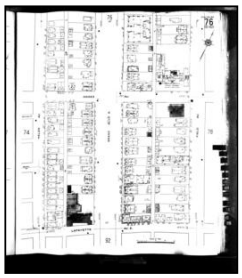
1957


Volume 8, Sheet 76
1957


Volume 8, Sheet 77
1957


Volume 8, Sheet 78
1957

1953 Source Sheets


Volume 8, Sheet 75
1953


Volume 8, Sheet 76
1953


Volume 8, Sheet 77
1953


Volume 8, Sheet 78
1953

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1951 Source Sheets


Volume 8, Sheet 75
1951

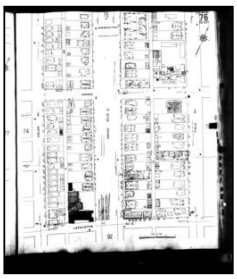

Volume 8, Sheet 76
1951


Volume 8, Sheet 77
1951

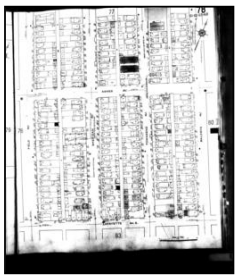

Volume 8, Sheet 78
1951

1941 Source Sheets


Volume 8, Sheet 75
1941


Volume 8, Sheet 76
1941


Volume 8, Sheet 77
1941


Volume 8, Sheet 78
1941

1915 Source Sheets

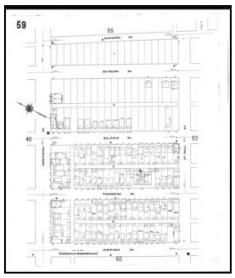

Volume 8, Sheet 75
1915

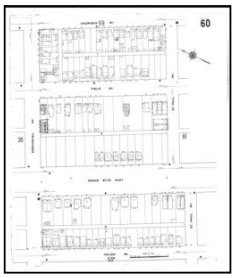

Volume 8, Sheet 76
1915

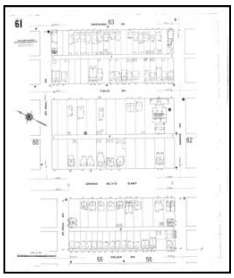

Volume 8, Sheet 77
1915

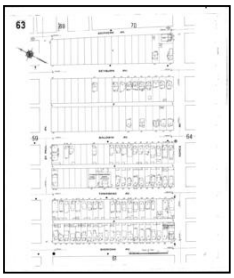

Volume 8, Sheet 78
1915

1910 Source Sheets


Volume 8, Sheet 59
1910


Volume 8, Sheet 60
1910


Volume 8, Sheet 61
1910


Volume 8, Sheet 63
1910

Sanborn Sheet Key

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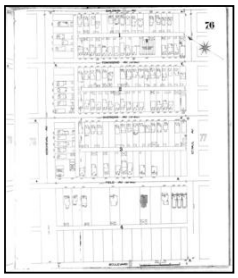
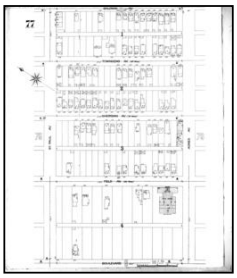
1897 Source Sheets



Volume 6, Sheet 76
1897



Volume 6, Sheet 77
1897

Certification # D0CE-40ED-AAAD

Site Name: 1005 Field Street
Address: 1005 Field Street
City, ST, ZIP: Detroit, MI 48214
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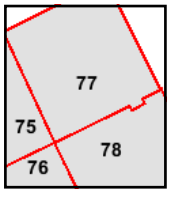

Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

N

Certification # D0CE-40ED-AAAC

Site Name: 1005 Field Street
Address: 1005 Field Street
City, ST, ZIP: Detroit, MI 48214
Client Ref: Applied Science & Technology
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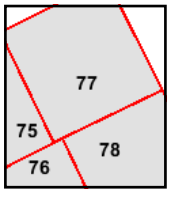

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Volume 8, Sheet 78
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Certification # D0CE-40ED-AAAD

Site Name: 1005 Field Street
Address: 1005 Field Street
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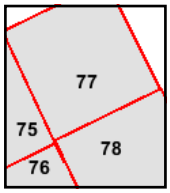

Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

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Certification # D0CE-40ED-AAAD

Site Name: 1005 Field Street
Address: 1005 Field Street
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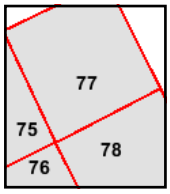

Volume 8, Sheet 78
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Volume 8, Sheet 76
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0 Feet 150 300 600

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Certification # D0CE-40ED-AAAC

Site Name: 1000 Field Street
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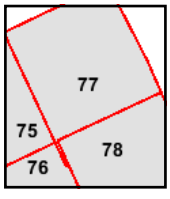

Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

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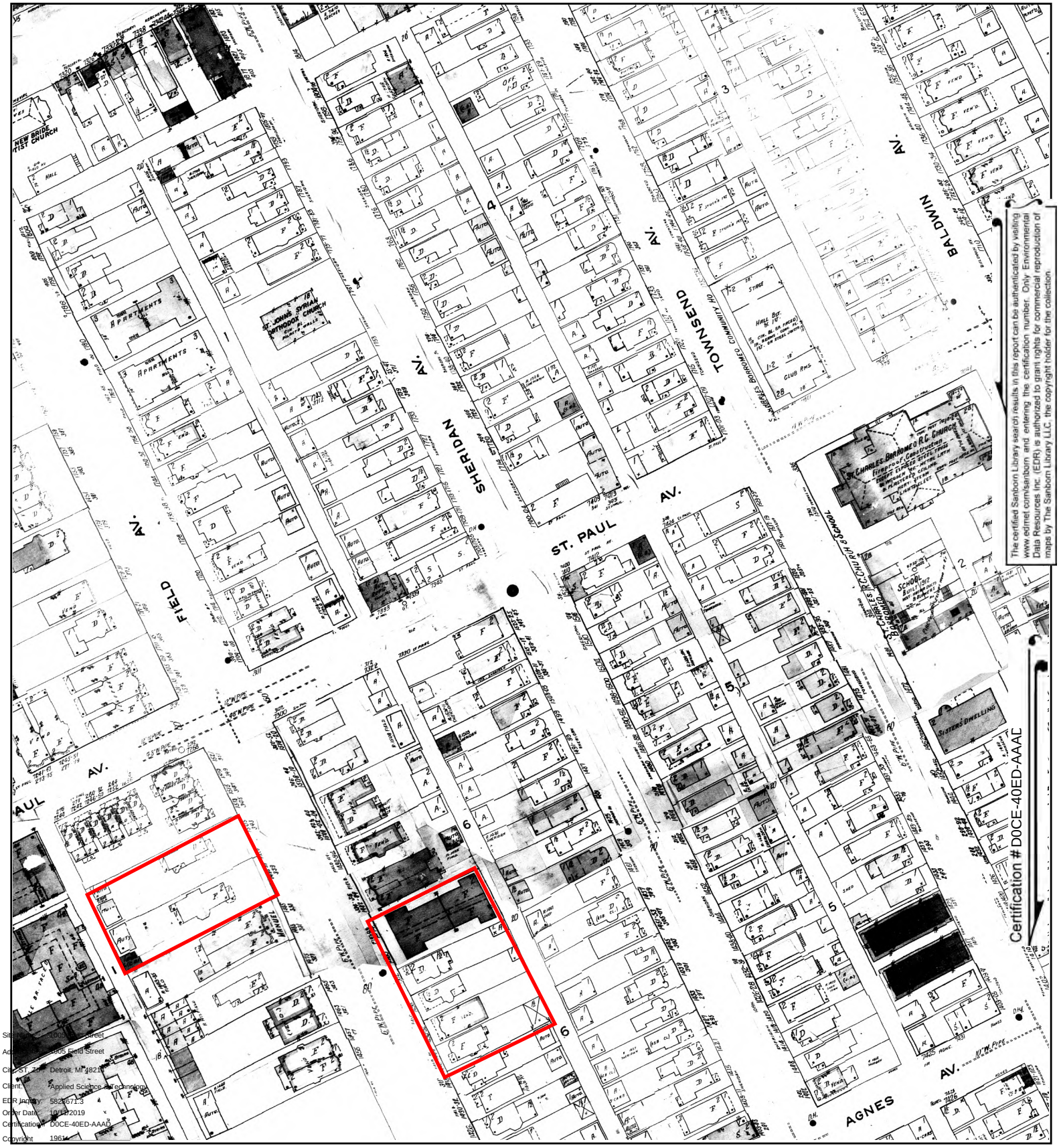

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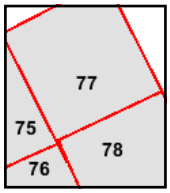
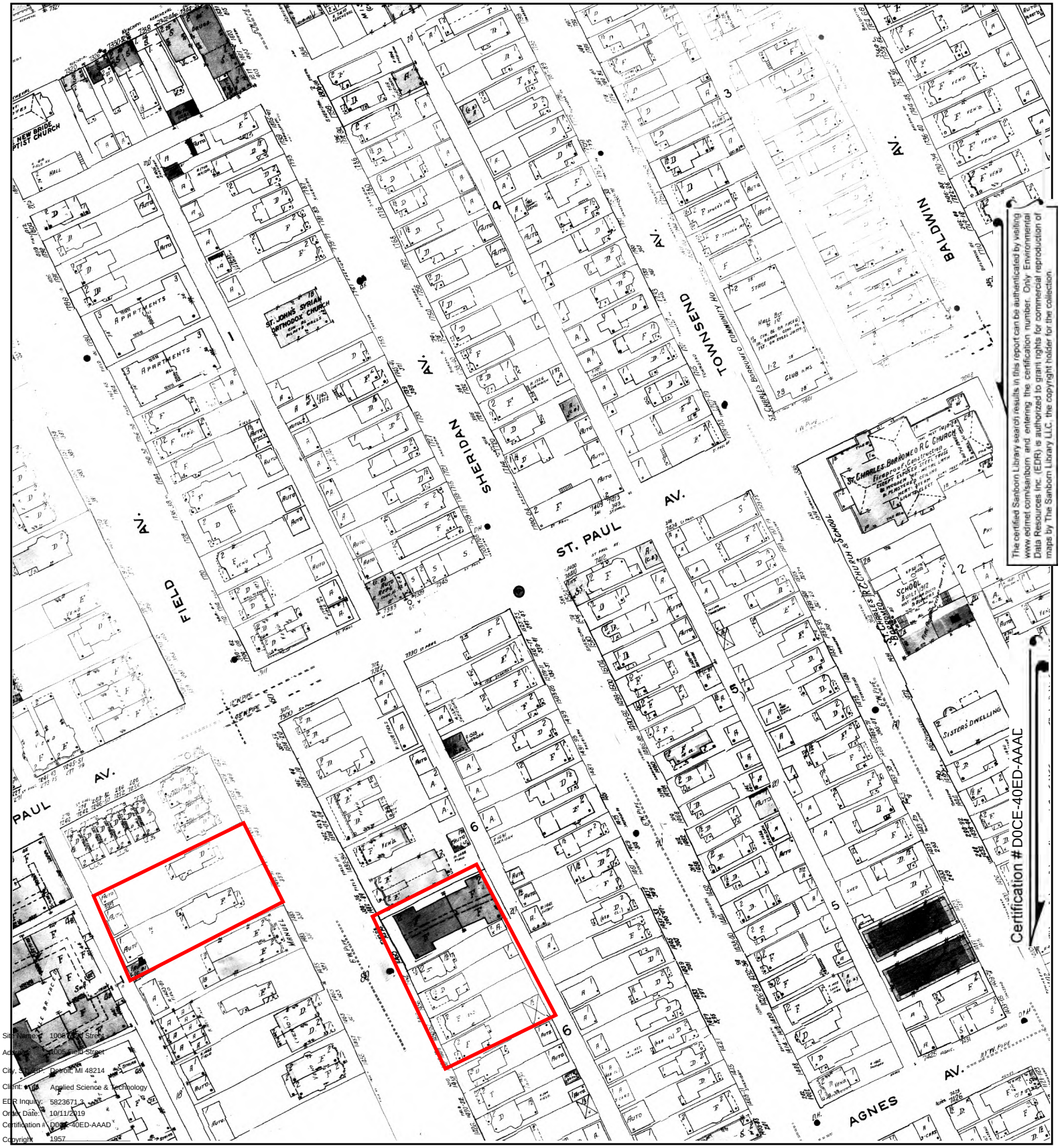


Volume 8, Sheet 78
Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

N



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Site Name: 1008 Field Street
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Order Date: 10/11/2019
Certification #: D0CE-40ED-AAAC
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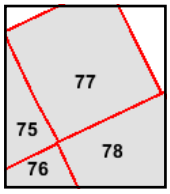

Volume 8, Sheet 78
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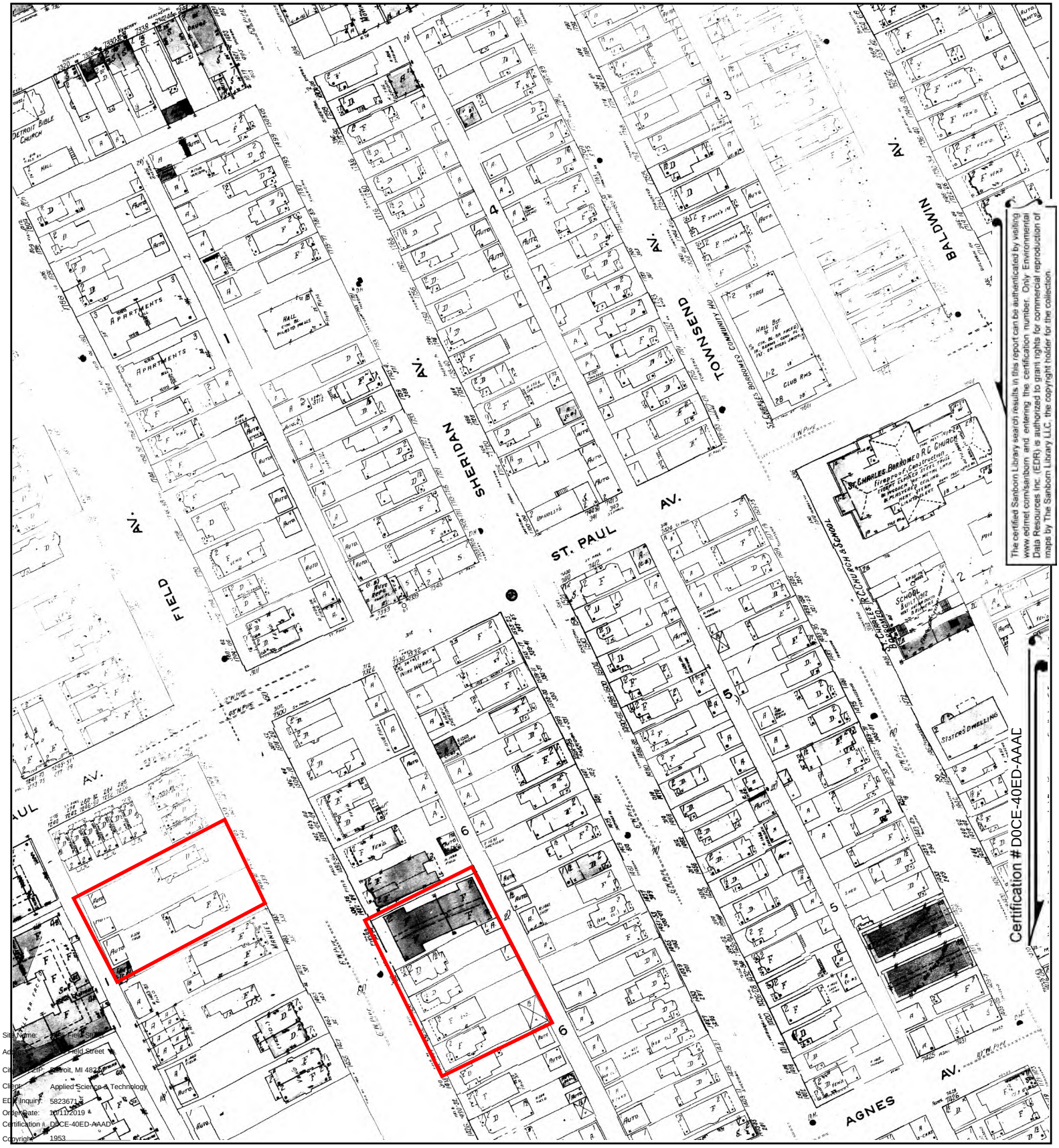
Volume 8, Sheet 76
Volume 8, Sheet 75

N



Certification # D0CE-40ED-AAAC

Site Name: [illegible] Field Street
Address: [illegible] Field Street
City, State, Zip: Detroit, MI 48201
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
Order Date: 10/11/2019 8:
Certification #: D0CE-40ED-AAAC
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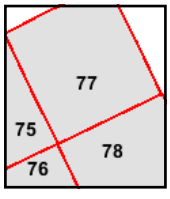

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Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

0 Feet 150 300 600

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Site Name: 1005 Field Street
Address: 1005 Field Street
City, ST, ZIP: Detroit, MI 48214
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
Order Date: 10/11/2019
Certification #: D0CE-40ED-AAAC
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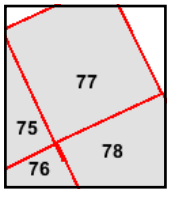

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Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

N

Site Name: 1 Field Street
Address: 1 Field Street
City, State, Zip: Detroit, MI 48214
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
Order Date: 10/11/2019
Certification #: D0CE-40ED-AAAD
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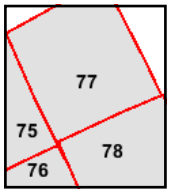

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Volume 8, Sheet 77
Volume 8, Sheet 76
Volume 8, Sheet 75

N

Site Name: 1005 Field Street
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City, ST, ZIP: Detroit, MI 48214
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
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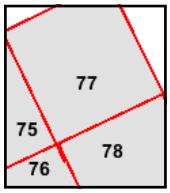
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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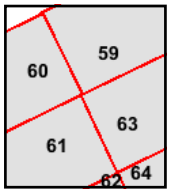
Volume 8, Sheet 75

N

Site Name: 1005 Field Street
Address: 1005 Field Street
City, ST, ZIP: Detroit, MI 48214
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
Order Date: 10/11/2019
Certification #: D0CE-40ED-AAAD
Copyright: 1910

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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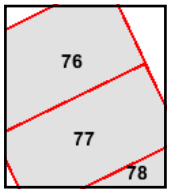
Volume 8, Sheet 59

N

Site Name: 1005 Field Street
Address: 1005 Field Street
City, ST, ZIP: Detroit, MI 48214
Client: Applied Science & Technology
EDR Inquiry: 5823671.3
Order Date: 10/11/2019
Certification #: D0CE-40ED-AAAD
Copyright: 1897

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

1005 Field Street
1005 Field Street
Detroit, MI 48214

Inquiry Number: 5823671.5
October 15, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1987	☑	☑	Bresser's Cross-Index Directory Company
1982	☑	☑	Bresser's Cross-Index Directory Company
1977	☑	☑	Bresser's Cross-Index Directory Company
1972	☑	☑	Bresser's Cross-Index Directory Company
1967	☑	☑	Bresser's Cross-Index Directory Company
1962	☑	☑	Bresser's Cross-Index Directory Company
1957	☑	☑	Bresser's Cross-Index Directory Company
1940	☑	☑	Polk's City Directory
1935	☑	☑	Polk's City Directory
1931	☑	☑	Polk's City Directory
1926	☑	☑	Polk's City Directory
1921	☑	☑	Polk's City Directory
1916	☑	☑	Polk's City Directory

EXECUTIVE SUMMARY

Year	***Target Street***	***Cross Street***	***Source***
1911	☑	☑	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

1005 Field Street
Detroit, MI 48214

Year	*CD Image*	*Source*
FIELD ST		
2014	pg A2	EDR Digital Archive
2010	pg A5	EDR Digital Archive
2005	pg A9	EDR Digital Archive
2000	pg A13	EDR Digital Archive
1995	pg A16	EDR Digital Archive
1992	pg A19	EDR Digital Archive
1987	pg A22	Bresser’s Cross-Index Directory Company
1982	pg A25	Bresser’s Cross-Index Directory Company
1977	pg A27	Bresser’s Cross-Index Directory Company
1977	pg A28	Bresser’s Cross-Index Directory Company
1972	pg A30	Bresser’s Cross-Index Directory Company
1972	pg A31	Bresser’s Cross-Index Directory Company
1967	pg A33	Bresser’s Cross-Index Directory Company
1962	pg A35	Bresser’s Cross-Index Directory Company
1962	pg A36	Bresser’s Cross-Index Directory Company
1957	pg A38	Bresser’s Cross-Index Directory Company
1957	pg A39	Bresser’s Cross-Index Directory Company
1940	pg A42	Polk's City Directory
1940	pg A43	Polk's City Directory
1935	pg A46	Polk's City Directory
1935	pg A47	Polk's City Directory
1931	pg A50	Polk's City Directory
1931	pg A51	Polk's City Directory
1926	pg A53	Polk's City Directory
1921	pg A55	Polk's City Directory
1921	pg A56	Polk's City Directory
1916	pg A58	Polk's City Directory
1916	pg A59	Polk's City Directory
1911	pg A62	Polk's City Directory
1911	pg A63	Polk's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
E LAFAYETTE ST		
2014	pg. A1	EDR Digital Archive
2010	pg. A4	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A12	EDR Digital Archive
1995	pg. A15	EDR Digital Archive
1992	pg. A18	EDR Digital Archive
1987	pg. A20	Bresser’s Cross-Index Directory Company
1987	pg. A21	Bresser’s Cross-Index Directory Company
1982	pg. A23	Bresser’s Cross-Index Directory Company
1982	pg. A24	Bresser’s Cross-Index Directory Company
1977	pg. A26	Bresser’s Cross-Index Directory Company
1972	pg. A29	Bresser’s Cross-Index Directory Company
1967	pg. A32	Bresser’s Cross-Index Directory Company
1962	pg. A34	Bresser’s Cross-Index Directory Company
1957	pg. A37	Bresser’s Cross-Index Directory Company
1940	pg. A40	Polk's City Directory
1940	pg. A41	Polk's City Directory
1935	pg. A44	Polk's City Directory
1935	pg. A45	Polk's City Directory
1931	pg. A48	Polk's City Directory
1931	pg. A49	Polk's City Directory
1926	pg. A52	Polk's City Directory
1921	pg. A54	Polk's City Directory
1916	pg. A57	Polk's City Directory
1911	pg. A60	Polk's City Directory
1911	pg. A61	Polk's City Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E LAFAYETTE ST 2014

3700	MCGILL, MARY
3737	DETROIT MICHIGAN CITY OF
6339	ABBOTT, KEVIN
6420	D MCARE EXPRESS AMBULANCE CO
6550	CONSUMERS AUTO PARTS INC
6911	CARIBBEAN MRDI GRAS PRDUCTIONS
7830	JONES, AUSTINE S
7835	ZION PROGRESS BAPTIST CHURCH
7836	JULIE MAES GUMBO & CREOLE KIT
	OCCUPANT UNKNOWN,
7840	BADGER, DORA A
7901	MATTHEWS, N

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2014

625	ADAMS, KEAIRA
	ANDERSON, MICHAEL J
	AVERY, MAGGIE M
	BARNETT, JESSICA T
	BUTLER, DARLENE A
	CURRY, DAVID L
	HAWKINS, JAMES W
	JACKSON, DONNELL
	JOHNSON, MISHA S
	MARSHALL, JOHN
	MISTER, MARY L
	ROBERTS, VERNETTA
	SCOTT, JERRY L
	SIEFMAN, SAMANTHA
	TURNER, CHARLES E
638	VICENT, CARMEN B
697	JACKSON, PEGGY
1005	RIGGS, LANITA
1014	JOHNSON, JANN Q
1016	OCCUPANT UNKNOWN,
1020	HOLMES, JOHN W
1022	HOLMES, MARIO L
1023	GARDIN, DIONNE P
1025	BANKS, SEAN A
1027	SCOTTS CLEANING CO
1029	KEGLER, TAMAR
1031	CORBITT, MARILYN Q
1045	OCCUPANT UNKNOWN,
1047	JERNIGAN, BREANNA
	NEAL, VIVIAN R
1049	SLEDGE, TROY
1050	WASHINGTON, TEZELLA M
1051	RAY, GLORIA J
1058	OCCUPANT UNKNOWN,
1065	BELL, THERESA
	DAVIS, TAMMY R
1067	PULLIAM, ALFRED
1070	CURTIS, CHERYL L
1074	MANLEY, LETITCHA
1083	RUSSELL, ALAN
1090	KEYS, DORIS
1091	RANDOLPH, KEVIN
1094	SYLVESTER, MELVIN L
1100	JEFFERSON, JANA R
1104	OCCUPANT UNKNOWN,
1108	SINCLAIR, PARRISH M
1406	WILLIS, NICOLE D
1413	ADULT WELL-BEING SERVICES
1423	ADULT WELL-BEING SERVICES
1430	KNOX, THOMAS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2014 (Cont'd)

1432	SNOWDEN, THOMAS T
1448	CARTER, PAULETTE L
1452	CRAWFORD, L
1458	CARTER, CHARLES
1462	OCCUPANT UNKNOWN,
1470	SCOTT, ANTOINETTE
1474	ROSS, MONICA L
1481	OCCUPANT UNKNOWN,
1491	MARBLE, BOBBY
1492	RUFFIN, RUEBEN T
1494	WEBSTER-WALKER, PATRICIA
1495	JERNIGAN, NIKA
1496	RUFFIN, HILDRED
1500	CAIN, CARLTON D
1501	BEAL, KENDRA L
1504	OCCUPANT UNKNOWN,
1505	HAIRSTON, THERESA M
1720	SCALES, MICHELLE M
1728	LINDSEY, FRANK
1729	OCCUPANT UNKNOWN,
1731	DELOACH, RONEA
1751	FLOWERS, REGINALD L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E LAFAYETTE ST 2010

3700	MCGILL, MARY
3737	DETROIT CITY OF
6320	MODERN STOOL COMPANY
6339	ABBOTT, KEVIN
6420	D MCARE EXPRESS AMBULANCE CO
6541	CONCORD TIRE AND AUTO
6550	CONSUMERS AUTO PARTS INC
6911	CARIBBEAN MRDI GRAS PRDUCTIONS
7821	TINSLEY, AVA R
7830	BAKER, GEORGE M
7835	ABRAMS ALLYSON
	ZION PROGRESS BAPTIST CHURCH
7840	BADGER, DORA A
7901	SHAIK, SALAEM
7904	HINES, LASHAWN S
7909	BIVENS, B
7911	PARKER, DORA
7913	LEVERETT, CRYSTAL D
7915	RAY, MARY L
7918	KLECKER, ADAM
	RODGERS, SHAQUALAH
	TOV, YOM
	WILLOUGHBY, ALEX
7919	MOORE, CONSTANCE M
7925	WALKER, JESSE L
7928	KING, BRENDA
7932	JOHNSON, DANYELL
7938	PAGAC, CHRISTINE A
7946	HOYT, GEORGE W
7949	FREEMAN, JACK L
7950	JOHNSON-HUDGE, CASEY
	NUBIANCE MAGAZINE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2010

614	MANSFIELD, ROBERT J
615	BEATHEA, ILENA
	BLACKSHEAR, RHONDA S
	FERGUSON, FREDRICK
	FERRO, JEROME
	FIELD ASSOCIATES INC
	FLOWERS, MICHAEL
	HILL, ANTHONY
	HOLLAND, TIMOTHY S
	IRBY, MICHELLE R
	JOHNSON, MICHAEL
	JONES, CONSTANCE D
	PORTER, YOLANDA R
	RICHARDSON, VANESSA L
	ROBINSON, CARTER
	SAMPLE, DONOVAN
	SILLS, BETH
	STEWART, BEVERLY D
	WATSON, SARITA R
625	ANDERSON, MICHAEL J
	AVERY, MAGGIE M
	BARNETT, LAQUITA D
	BROWN, ALBERTA L
	BROWN, ESTELLA C
	BURGAN, SHARON D
	BUTLER, DARLENE A
	CRAWFORD, MARY A
	CURRY, DAVID L
	GOODSON, ALONDA
	HOLLINS, TANYA E
	JOHNSON, JAVELL
	JOHNSON, LISA
	JONES, ERNESTINE
	KEMP, ROSE M
	MISTER, MARY L
	REESE, GEAN
	SPICER, BRENDA
	STALLWORTH, LISA
	TAYLOR, DIANA
640	SMITH, ROCHENDA
644	HOOPER, MARY A
1005	RIGGS, LANITA
1016	MIXON, ROSA
1020	HOLMES, JOHN W
1022	HOLMES, MARIO L
1023	GARDIN, DENNIS J
1025	BANKS, LEOLA M
1027	HAMILTON, DARIUS
	SCOTTS CLEANING CO
1029	SANFORD, J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2010 (Cont'd)

1031	CORBITT, MARILYN Q
1045	CHAMBERS, JUANITA M
1047	AARON, LISA L
1049	MCSWINE, RASHONDA
1050	DAVIS, MARCIA
1051	RAY, GLORIA J
1058	PEEPLES, TANGIE
1065	DAVIS, TAMMY R
1067	MOTEN, LASHARON K
1070	CURTIS, CHERYL
1074	LETITICHA MANLEY
	MANLEY, LETITCHA
1083	RUSSELL, ALAN
1090	KEYS, KELLY L
1091	RANDOLPH, VERONICA L
1093	WIZDOM MAGAZINE
1094	SYLVESTER, MELVIN L
1104	MATTHEW, BRANDON
1413	ADULT WELL-BEING SERVICES
1423	ADULT WELL-BEING SERVICES
1430	KNOX, THOMAS
1432	DALTON, LENORD J
1448	CARTER, PAULETTE L
1449	HASSELL, TERRA
1452	CRAWFORD, L
1458	JOHNSON, DEBBIE
1462	REDDIX, LATORSHA M
1470	SCOTT, ANTOINETTE
1474	ROSS, MONICA
1481	TOMLIN, MICHELLE D
1485	SMITH, SYRIA K
1491	CHATMAN, JEANNETTE M
1492	RUFFIN, HILDRED R
1495	MORRIS, DEMARIO
1501	BEAL, KENDRA L
1505	COIL, COREY
1513	WATSON, KEN
1720	SCALES, MICHELLE M
1728	NEMON, LINDSEY H
1731	MANTEL, CECIL
1746	COLEMAN, EARL
1764	AMADI, KAMBIRI A
	BARNETT, DEIRDRE
	BLAND-HANNAH, D
	BRANNON, FABRIENNE T
	BROWN, DAVID L
	CODY, N
	COLEMAN, RONALD
	CURRY, DAVID
	DAVIS, JAMINKA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2010 (Cont'd)

1764	GOODSON, YOLANDA
	GREEN, OSCAR
	HOWARD, BRANDI
	LAMAR, TIFFANY
	MARTIN, HENRY
	NUNLEE, DARLA
	RAYFORD, TRAMANE
	REESE, GEAN
1789	NUNLEE, DARLA
1793	WHITMAN, HAZEL J
2105	THOMAS, RAYLEAN
2109	MCSWAIN, DOLORES
2111	EVANS, SAMANTHA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E LAFAYETTE ST 2005

3401	CITY SPORTS CENTER INC
3737	DETROIT CITY OF
6320	MODERN STOOL CO
6541	CONCORD TIRE & AUTO
6550	CONSUMERS AUTO PARTS INC
6911	IMPERIAL PHOTOS
	METROPLTAN CTR FOR CRTIVE ARTS
7821	REYNOLDS, LISA M
7830	BAKER, GEORGE M
7835	ZION PROGRESS BAPTIST CHURCH
7840	MOROSKI, MICHAEL S
7901	SANDERS, YKEITA
7909	BARBARA, V
7913	ZEIGLER, ANTIONE
7915	RAY, MARY L
7918	KLECKER, ADAM
7919	MOORE, CONSTANCE M
7925	WALKER, FELICIA
7928	KING, BRENDA
7932	BARR, MOSES
	GARNETT, K
7933	MCBRIEN, ROSEMARIE M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2005

608	SPRUILL, LILLIE M
614	MANSFIELD, MATTIE
615	ALLEN, KESHIA
	AVERYHEART, ROY
	BURNETT, MELVIN
	COHEN, WAYNE M
	DOBBINS, THEODORE
	FERGUSON, FREDRICK
	FERRO, JEROME
	FIELD ASSOCIATES INC
	HARRIS, J
	HOFFA, J
	HOLLAND, TIMOTHY S
	HUDSON, VERONICA
	JOHNSON, MICHAEL
	JONES, CHARMAGNE
	KOGER, ELAINE
	MAY, M
	MCCREE, HERLANDOS
	NICHOLS, BELINCIA
	RATLIFF, ANTONIO
	TAYLOR, C
	TERRY, CAROLYN
	WARREN, KEVIN
	WHITE, VEARLEAN
625	AKINS, BERTHA F
	ANDERSON, MICHAEL J
	ANDERSON, VALE J
	AVERY, MAGGIE M
	BARNETT, LAQUITA D
	BIBB, HAROLD
	BROWN, HAROLD
	CARTER, LINDA
	CULVER, MARVIN A
	FRANKS, LARRY
	HOSKIN, LINDA M
	MCKINLEY, ELLA
	MCWHITE, LARHONDA
	MISTER, MARY L
	OSHO, OSEH
	QUAINTON, SALLY
	RICHARDSON, NAKESTA
	SAMUELS, MICHELE R
	SPRUILL, ELOISE
	THOMAS, SHIRLEY A
	WILLIAMS, CARMEN
	WOLFE, GEORGE C
	WYNN, DORIS A
638	TOLBERT, BRENDA F
640	HAMMOND, Y

FIELD ST 2005 (Cont'd)

640 HAMMONDS, YVONNE
HARPER, PATRICIA E
644 HOOPER, MARY A
664 WHITE, DAVID A
1005 TIGGART, TONY L
1022 HOLMES, MARIO L
1025 BANKS, LEOLA M
1027 HILL, SHENA A
SCOTTS CLEANING CO
1029 PIASECZNY, MAXINE M
1031 CORBITT, MARILYN Q
1045 CHAMBERS, JUANITA M
1047 KEY, JOHNIE
1065 BAKER, CARLONDA
HALL, YOLANDA
1067 MOTEN, STEVEN M
1070 DRIVERS HAMMERS & TOOLS
WILLIAMSON, ERICA
1074 WILLIS, JAMILA P
1083 GALLOWAY, CALVIN
1090 KEYS, DORIS
1091 RANDOLPH, VERONICA L
1093 CUNNINGHAM, DEBORAH
1094 CLAY, SHERONDA
1100 MAPP, ROBERT C
1104 SINCLAIR, FLORA
1406 WILLIS, NICOLE D
1413 ADULT WELL-BEING SERVICES
1423 ADULT WELL-BEING SERVICES
1432 DALTON, LENORD J
1448 JACKSON, SONIA
1462 WILLIAMS, SHAROINE
1470 JACKSON, JAMES
1474 SIMMONS, J
1481 TOMLIN, MICHELLE
1485 SMITH, SYRIA K
1491 MARBLE, BOBBY
1492 RUFFIN, FITZGERALD L
1494 RUFFIN, WILLIE D
1495 91ST C B RADIO PATROL
CLAY, ROBERT J
1718 SCALES, MICHELLE E
1728 BRANDON, IDA
1730 ALSTON, EUNICE A
1731 BOLDEN, SHEILA D
1739 MY HOUSE MOVING CO
1757 SPAR GROUP INC
1759 GILES, CARRIE V
1764 ALLEN, JOHN
ANDERSON, CRISTINA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2005 (Cont'd)

1764	BEATON, PHYLLIS P
	BOBLICK, J
	BRANNON, FABRIENNE
	CARLISLE, BRANDESHA
	CUNNINGHAM, C
	DIKE, FRANKA O
	GOVAN, A
	GRAVES, SHENITA
	HURD, BENTA
	JACKSON, YOLANDA B
	JONES, ANTHONY
	KING, GEORGE E
	MILLER, TANGA
	PHILLIPS, SHEKELLIE
	REESE, GEAN
	RIVERS, CHERYL
	ROSE, TAQUILLA
	ROSS, MARIE
	SANDERS, JEFFERY
	SEWELL, HASKER
	SOLOMON, TURQOISE
	TANNER, FRANCIS
	YORK, EARL
1789	BROWN, CAROLYN
1793	WHITMAN, HAZEL J
1812	NEW BRIDE BAPTIST CHURCH
2103	TORAIN, MARGARET A
2109	STEVENS, ROBENA
2111	JACKSON, JAYME

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E LAFAYETTE ST 2000

6911	IMPERIAL PHOTOS
	LIMOUSINE CO-OP & YACHT SVC
	METROPOLTN CNTR FOR CRATIV ART
6929	39 MINUTE INDIAN VILLAGE CLRS
7223	STONER, LINDA
7410	DIAZ, HECTOR
7447	THOMAS, MALLIE
7720	RUBALCABA, JOSE
7835	ZION PROGRESS BAPTIST CHURCH
7901	WILEY, PAMELA L
7918	JOHNSON, ERNEST
7925	WALKER, BEVERLY L
7927	BROWN, MARILYN K
7932	STEPHENS, MARTIN
7938	BAKER, ERIKA
7946	HOYT, GEORGE W
7949	FREEMAN, JACK L
8153	MAGNANTI, CLAIRE
8159	STOUGH, LEE A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2000

615	EDDINS, PAMELA
	FERRO, JEROME
	FIELD ASSOCIATES INC
	HALL, DENISE
	MAJOR, D
	MARTIN, RALSTON
	MITCHELL, GREG
	PRICE, D M
	SOLOMON, JERRY
	THOMAS, C C
	VANNORT, DANIEL K
625	AVERY, MAGGIE M
	BERRY, GERALD D
	CADE, BRENDA
	CRUMBEY, ESTELLA
	CULVER, MARVIN
	EDWARDS, HALLIE
	FISHER, ANITA
	MISTER, MARY
	PICKENS, ELSIE L
	SPRUILL, ELOISE
	STRICKLAND, JAMICA
640	WILSON, SANDRA N
697	SCOTT, MOZELL
716	LLA FIELD MARKET INC
1005	TIGGART, TONY
1007	WILLIAMS, GAIL E
1025	BANKS, LEOLA M
1029	PIASECZNY, MAXINE
1047	KEY, JOHNIE
1051	TOLES, JAN
1065	GARDIN, STEVEN
1070	RICE, D
1074	WILLIS, JAMILA
1093	WOODS, LISA
1094	JENNINGS, JOYCE
1104	MILLER, LINDA
1117	ST CHRISTOPHER HOUSE INC
1406	DOWELL, MAXINE
	WILLIS, FLOSSIE
1412	GEANES, YOLANDA M
1413	ADULT WELL-BEING SERVICES
1423	ADULT WELL-BEING SERVICES
1432	THORNTON, BENNIE
1448	YANDELL, WARREN A
1458	BUNTON, NANCY
1462	REDDIX, L M
1470	CURRY, LATANYA
1481	LUMSDEN, A
1485	EDWARDS, EDNA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 2000 (Cont'd)

1491	BROWN, FANNIE M
1494	BELL, CONNIE I
1495	RUDDS, LARRY
1718	SCALES, M
1720	WALKER, BETTY
1729	MOORE, E L
1730	STERLING, KARL T
1752	WRIGHT, ARTHUR R
1753	JENKINS, LIKETA
1764	ANDERSON, A
	CAMPBELL, WALTER
	CURRY, DAVID
	DOBINE, RODNEY
	GARDNER, DENISE
	HERBERT, BERTRAM E
	HUEY, DELORES
	IVORY, JUAN
	JONES, CATHLYN D
	JOSEPH, J P
	KING, STEVE
	SMITH, W
	THOMAS, ROBERT J
	TURNER, BRENDA
1793	WHITMAN, JAMES E
1798	SMITH, C M
1812	GUY, EUGENE
	NEW BRIDE BAPTIST CHURCH
2133	STATOM, FARRIS
2137	FOSTER, WILLIAM N
2165	DURR, GRACE
2196	NATHAN, DAMON C
2205	GATES, PATRICK A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E LAFAYETTE ST 1995

3401	BIKES BLADES & BOARDS INC
	CITY SPORTS CENTER INC
6320	CLIMAX II LOUNGE INN
	MODERN STOOL CO
6541	CONCORD TIRE & AUTO
6550	ABBOTT, KEVIN
	CONSUMERS AUTO PARTS INC
6911	IMPERIAL PHOTOS
6929	MR SHIN
7004	GREENFELDER, JERRY L
7018	EVOLA S BOULEVARD BARBER SHOP
7118	PEREZ, RENE
7131	NORMAN, FELICIA
7332	GREGORY, JACK
7830	MILLER, SANDRA
7835	ZION PROGRESS BAPTIST CHURCH
7904	OCCUPANT UNKNOWNN
7908	OCCUPANT UNKNOWNN
7909	OCCUPANT UNKNOWNN
7913	OCCUPANT UNKNOWNN
7915	RAY, MARY L
7918	BOYD, J
	STANLEY, EDWARD
7924	OCCUPANT UNKNOWNN
7925	WALKER, BEVERLY L
7927	OCCUPANT UNKNOWNN
7928	OCCUPANT UNKNOWNN
7932	CLARK, ANGELA
7933	MITCHELL, SHANNON
7939	AUNT MID PRODUCE CO
7946	HOYT, GEORGE W
7949	FREEMAN, JACK L
7950	ASHFORD, STEPHEN L
8218	SANFORD, DIAN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 1995

625	AVERY, MAGGIE M
	CRUMBEY, ESTELLA
	EVANS, MATTHEW
	FISHER, ANITA
	GRAVES, E
	JONES, RAY
	KITCHEN, WILLIE
	NORRIS, CHINA
	PATTERSON, HATTIE M
	SPRUILL, ELOISE
	UNTOUCHABLES
	WALKER, BERNARD
626	OCCUPANT UNKNOWNN
638	JACKSON, PEGGY J
644	OCCUPANT UNKNOWNN
650	OCCUPANT UNKNOWNN
655	OCCUPANT UNKNOWNN
657	LATTEN, LEONARD
664	LUNCFORD, ELSIE
665	OCCUPANT UNKNOWNN
716	LA FIELD MARKET
1005	TIGGART, TONY
1007	BAUCH, JOHNIE
1023	GASTON, FROZEEN
1027	GREEN, TANANA
1029	PIASECZNY, MAXINE
1031	YOUNG, ALVERTA
1047	KEY, JOHNIE
1049	HINES, KEINYA
1051	TOLBERT, JAN
1067	WEBSTER, KATIE
1083	BROOKS, K
1093	GREEN, GREG
1117	ST CHRISTOPHER HOUSE INC
1406	WILLIS, THOMAS
1413	ADULT WELL-BEING SERVICES
1423	ADULT WELL-BEING SERVICES
1430	OCCUPANT UNKNOWNN
1432	OCCUPANT UNKNOWNN
1450	OCCUPANT UNKNOWNN
1452	OCCUPANT UNKNOWNN
1475	OCCUPANT UNKNOWNN
1720	BOLDEN, WILLIAM
1729	SMITH, ANN
1731	OCCUPANT UNKNOWNN
1739	JENKINS, KOTEZ
1751	HAMILTON, D
1752	OCCUPANT UNKNOWNN
1759	GILES, CARRIE V
1764	BAKER, YVONNE C

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 1995 (Cont'd)

1764	FLEMING, ISAAC JR
	GROOMS, RALPH
	KING, STEVE
	LUNSFORD, GREGORY
	SMITH, WYLENE
	STEWART, ALICIA
	TAYLOR, PATRICK
	WEAVER, EDDIE L
1789	OCCUPANT UNKNOWNN
1793	WHITMAN, JAMES E
1801	OCCUPANT UNKNOWNN
1812	GUY, EUGENE
	NEW BRIDE BAPTIST CHURCH
2105	OCCUPANT UNKNOWNN
2111	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

E LAFAYETTE ST 1992

6320	CLIMAX II LOUNGE INN
	MODERN STOOL CO
6361	MELLOW MARKET
6541	MICHIGAN COMMERCIAL HONING
6550	CONSUMERS AUTO SALV & TOWING
6800	DRAGON MOTORCYCLE CLUB
6929	MR SHIN
7018	EVOLA S BOULEVARD BARBER SHOP
7635	CANTERBURY DEVELOPMENT INC
7835	ZION PROGRESS BAPTIST CHURCH
7925	WALKER, BEVERLY L
7933	WILCOXSON, G
7946	HOYT, GEORGE W
7949	FREEMAN, JACK L

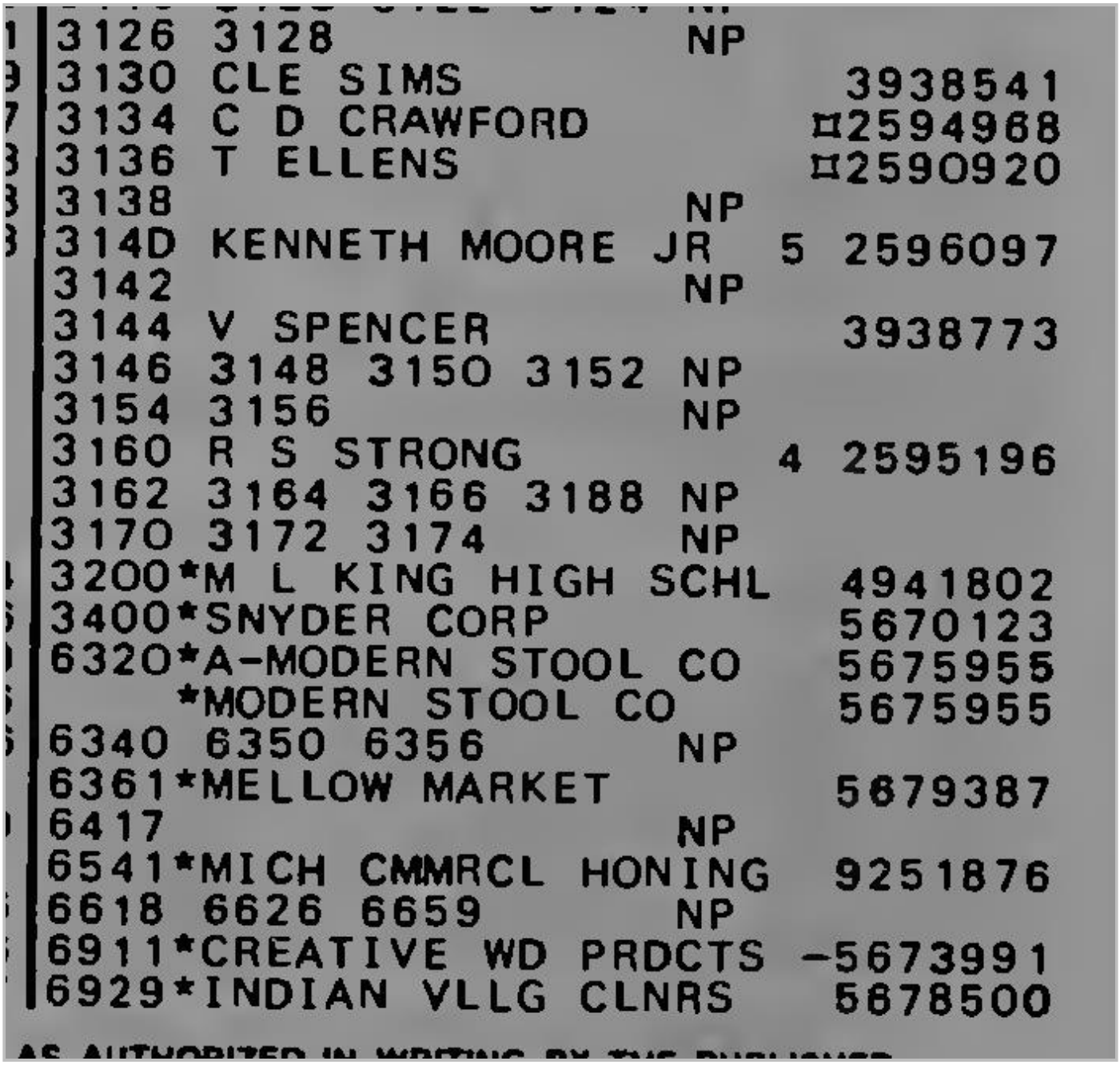
Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FIELD ST 1992

625	AVERY, MAGGIE M
	FREEMAN, NORMA
	GRAVES, E
	HAYES, VICKY
664	LUNCFORD, ELSIE
697	DOTSON, WILLIE K
716	LA FIELD MARKET
1022	HOLMES, YON
1086	SAMPSON, DELORES
1117	ST CHRISTOPHER HOUSE
1406	WILLIS, FLOSSIE
1423	ADULT WELL-BEING SERVICES
1515	SHAMILY, LEONARD
1764	GROOMS, RALPH
	SMITH, REVA
	SMITH, W
	WEAVER, EDDIE L
1793	WHITMAN, JAMES E
1812	NEW BRIDE BAPTIST CHURCH
2133	FISHER, CAROLYN W
2156	BYRD, BELLE
	LOVE, JOYCE M
2165	DURR, WILLIE JR
2198	WINSTON, OLA M
2222	MUHAMMAD, RABB

Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1987



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3126 3128                    NP
3130 CLE SIMS                      3938541
3134 C D CRAWFORD                  ¤2594968
3136 T ELLENS                      ¤2590920
3138                         NP
314D KENNETH MOORE JR        5    2596097
3142                         NP
3144 V SPENCER                     3938773
3146 3148 3150 3152          NP
3154 3156                    NP
3160 R S STRONG              4     2595196
3162 3164 3166 3188          NP
3170 3172 3174               NP
3200*M L KING HIGH SCHL            4941802
3400*SNYDER CORP                   5670123
6320*A-MODERN STOOL CO             5675955
     *MODERN STOOL CO              5675955
6340 6350 6356               NP
6361*MELLOW MARKET                 5879387
6417                         NP
6541*MICH CMMRCL HONING            9251876
6618 6626 6659               NP
6911*CREATIVE WD PRDCTS           -5673991
6929*INDIAN VLLG CLNRS             5878500
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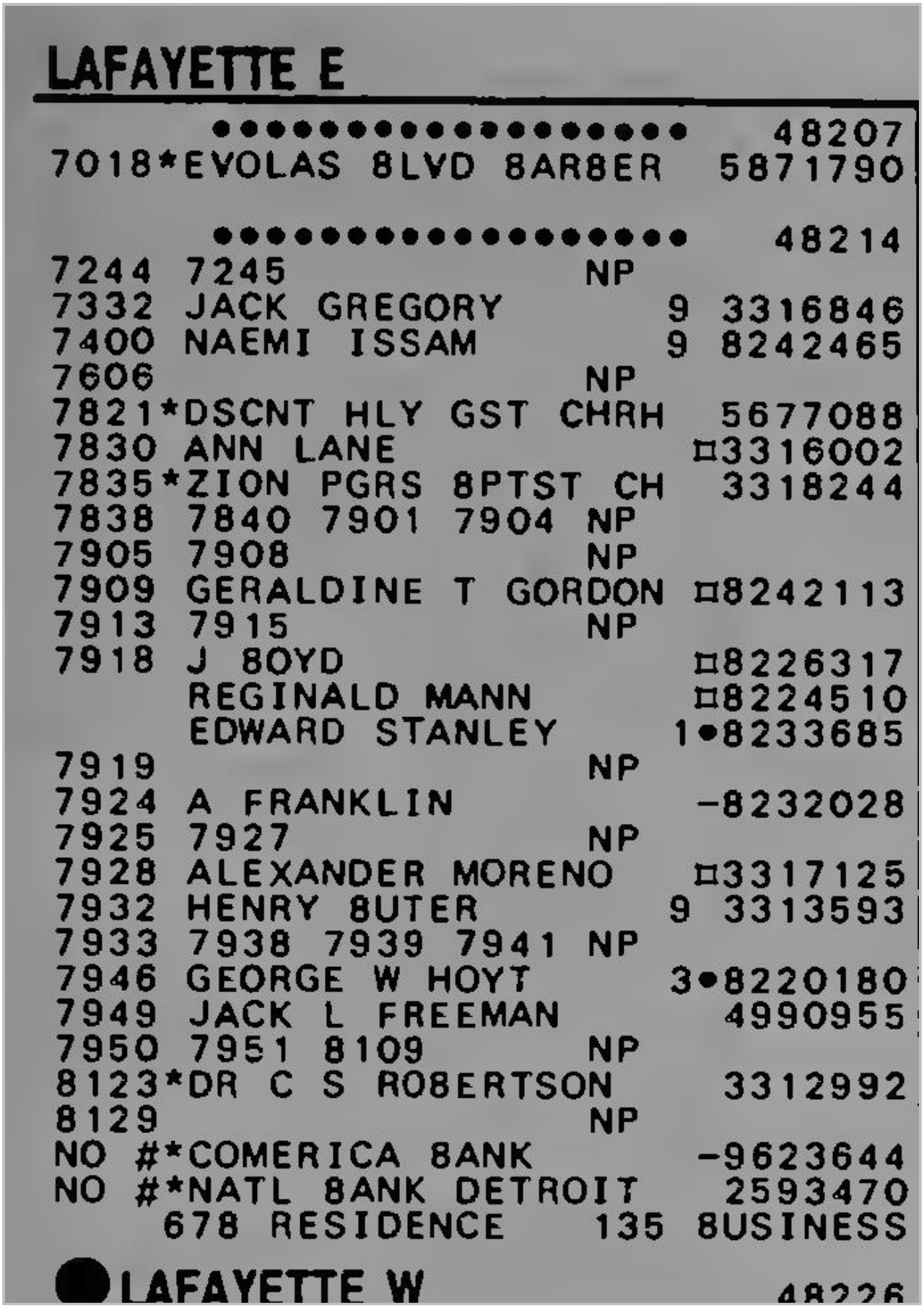
Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1987



LAFAYETTE E

	●●●●●●●●●●●●●●●●●●		48207
7018*	EVOLAS BLVD BARBER		5871790
	●●●●●●●●●●●●●●●●●●		48214
7244	7245	NP	
7332	JACK GREGORY	9	3316846
7400	NAEMI ISSAM	9	8242465
7606		NP	
7821*	DSCNT HLY GST CHRH		5677088
7830	ANN LANE	⌑	3316002
7835*	ZION PGRS BPTST CH		3318244
7838	7840 7901 7904	NP	
7905	7908	NP	
7909	GERALDINE T GORDON	⌑	8242113
7913	7915	NP	
7918	J BOYD	⌑	8226317
	REGINALD MANN	⌑	8224510
	EDWARD STANLEY	1●	8233685
7919		NP	
7924	A FRANKLIN	-	8232028
7925	7927	NP	
7928	ALEXANDER MORENO	⌑	3317125
7932	HENRY BUTER	9	3313593
7933	7938 7939 7941	NP	
7946	GEORGE W HOYT	3●	8220180
7949	JACK L FREEMAN		4990955
7950	7951 8109	NP	
8123*	DR C S ROBERTSON		3312992
8129		NP	
NO #	*COMERICA BANK	-	9623644
NO #	*NATL BANK DETROIT		2593470
	678 RESIDENCE	135	BUSINESS

● LAFAYETTE W 48226

Target Street	Cross Street	Source
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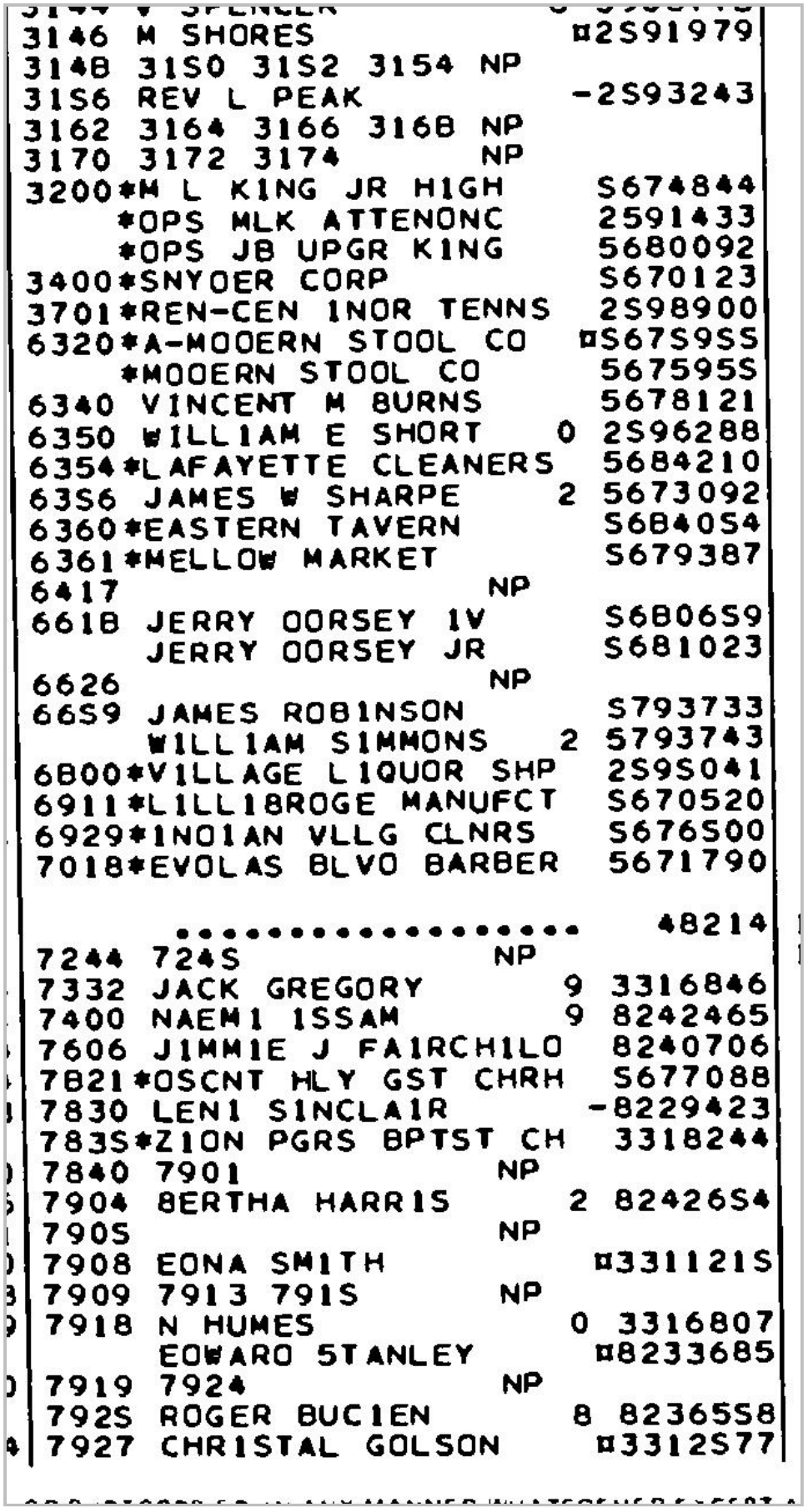
FIELD ST 1987

	JULIA WALKER		8234529
448		NP	
454	P A KING	4	3318606
	HAROLD LONG	5	•3316915
462	ILINE HOWELL	4	•8227482
477	479 483 491	NP	
602	608	NP	
614	JAMES HENRY 8ATSEL		8240292
	ANNIE SMITH		8240260
615	*8ELLMORE APTS		8223997
	*38 UNITS		
	*CRAIG 8LUE MGR		8223997
	CLYDE 8ARTLE8AUGH		3317173
	8 A COYLE		¤3318312
	JAMES 8 GRIMES		8240525
	STEPHEN C PETOSKI		3317044
	E ROMAN		8221186
	JAMES SPRINGSTEAD		¤8225011
625	*FIELD MANOR APTS		8248311
	*27 UNITS		
	*ESTELLA 8ROWN MGR		8248311
	MAGGIE MAE AVERY	5	8229076
	STEPHEN 8LACK		¤3318821
	CLAUDETTE 8URTON		¤8226091
	VARN COOPER	4	8249242
	ESTELLA CRUM8EY		8248311
	J GAM8LE	2	8233061
	ERNESTINE GRAVES	3	8220678
	KATHERINE HARRELL	5	3316612
	MATTIE MANSFIELD	5	8221694
	JANICE MENCY	3	3310609
	HATTIE M PATTERSON	8	8240888
	E SPRUILL	8	3312904
	GIL8ERT O STRINGER		3317322
	WALTER TATE JR		¤3314496
626	632 635	NP	
638	EL8ERT MOORE		•3318559
640	644	NP	
650	RISSIE MADIGAN	9	8225846
655	TOM WINTERS	2	8247464
656		NP	
664	ELSIE LUNCFORD	2	8246145
665	693	NP	
697	WILLIE K DOTSON	5	3314735
703	705	NP	
716	*LAFIELD MARKET		8231178
1014	1016 1022	NP	
1025	ROSIE L ALLEN		8240089
1031	1033	NP	
1050	WILFRED GAM8LE	5	3314758
1053	*FIELD ARMS APTS		
	*8 UNITS		
	*JAMES WHITE MGR		
1065	*FIELD ARMS APTS		
	*32 UNITS		
	*JAMES WHITE MGR		8235556
1080	1082	NP	
1086	DELORES SAMPSON	7	8240889
1093	JAMES O SIMS		8240087
	SHARROD SIMS	5	8247853
1104		NP	
1117	*ST CHRISTOPHRS HSE		3310221
1402		NP	
1406	FLOSSIE WILLIS		•9249661
1413	*ADLT WELL-8G SVCS		9216238
1420		NP	
1423	*ADLT WELL-8G SVCS		9247860
1430	1432 1444	NP	
1450	LOIS GILLIS	1	•9221231
1452		NP	
1475	MARY MO8LEY		•9221678
1492	RUE8EN RUFFIN	9	9248172
1494	1505 1508 1510	NP	
1513	1515 1521	NP	
1704	DAVID 8ASHARRAH		¤5712762
1706		NP	
1712	ERNEST NEAL		¤9212117
1714		NP	
1718	E SCALES		¤9224256
1720	WILLIAM 8OLDEN		9219308
1728	1731	NP	
1739	ANNA RHODES		9224774
1750	IZELL KENT		¤9225879
1751	1752 1753	NP	
1757	STANLEY THOMAS	5	9220844
1764	*APARTMENTS		9212825
	*28 UNITS		
	*PEGGY SHANNON MGR		9212825
	L 8URTON	4	9225947
	DEREK CHAM8ERS	4	9232291
	ROOSEVELT COLLIER	5	9238978
	CHARLES COX	3	•9222405
	ANDREA GRAY		-9253144
	MICHAEL PERRY		¤9254426
	8ESSIE M POPE	2	9230465
	BESSIE M POPE	2	9236377
	K STEPHAN ROBINSON	5	9225386
	P SHANNON	4	9212825
1793	REV JAS E WHITMAN	7	9230876
1795	1798	NP	
1801	M HINTON		-9234875
1812	REV EUGENE GUY	7	9226090
	*NEW BRIDE 8APTIST		9226090
1821		NP	
2103	EVA L PETTY		5672609
	OZELL TURNER	4	9256768
2109	2111 2127 2133	NP	
2137	2143 2147	NP	
2155	LEWIS EMERICK	4	9245370
2156	8ELLE 8YRD		•5791725
2158	2163	NP	
2165	WILLIE DURR JR		9246227
2175	2176 2195 2196	NP	
2198	OLA MAE WINSTON		•5791762
2205	JOHN MONAZYM		•5791396

Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1982



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3146 M SHORES                    ¤2S91979
3148 31S0 31S2 3154 NP
31S6 REV L PEAK                  -2S93243
3162 3164 3166 316B NP
3170 3172 3174       NP
3200*M L KING JR H1GH             S674844
     *OPS MLK ATTENONC            2591433
     *OPS JB UPGR K1NG            5680092
3400*SNYOER CORP                  S670123
3701*REN-CEN 1NOR TENNS           2S98900
6320*A-MOOERN STOOL CO           ¤S67S9SS
     *MOOERN STOOL CO             567595S
6340 VINCENT M 8URNS              5678121
6350 W1LL1AM E SHORT    0         2S96288
6354*LAFAYETTE CLEANERS           5684210
63S6 JAMES W SHARPE     2         5673092
6360*EASTERN TAVERN               S6840S4
6361*MELLOW MARKET                S679387
6417                 NP
6618 JERRY OORSEY 1V              S6806S9
     JERRY OORSEY JR              S681023
6626                 NP
66S9 JAMES ROB1NSON               S793733
     W1LL1AM S1MMONS    2         5793743
6800*V1LLAGE L1QUOR SHP           2S9S041
6911*L1LL18ROGE MANUFCT           S670520
6929*1NO1AN VLLG CLNRS            S676S00
7018*EVOLAS BLVO BARBER           5671790

      ••••••••••••••••••            48214
7244 724S            NP
7332 JACK GREGORY          9      3316846
7400 NAEM1 1SSAM           9      8242465
7606 J1MM1E J FA1RCH1LO           8240706
7821*OSCNT HLY GST CHRH           S677088
7830 LEN1 S1NCLA1R               -8229423
783S*Z1ON PGRS BPTST CH           3318244
7840 7901            NP
7904 8ERTHA HARR1S         2      82426S4
790S                 NP
7908 EONA SM1TH                  ¤331121S
7909 7913 791S       NP
7918 N HUMES               0      3316807
     EOWARO 5TANLEY              ¤8233685
7919 7924            NP
792S ROGER BUC1EN          8      8236558
7927 CHR1STAL GOLSON             ¤3312S77
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Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1982

	7928		NP	
7	7932	HENRY BUTER		9 4999313
9	7933		NP	
	7938	JEFFREY SCHOLZ		¤8246373
8	7939		NP	
9	7941	STEVEN ACUFF		9.3315872
3	7946	ARTHUR KUNTZ		4992623
	7949	JACK L FREEMAN		4990955
8	7950	STEVE CHESLEK		¤8224740
2		MARK TOMASIK		¤8224740
0	7951		NP	
9	8109	S J BONO		9 8233446
		L THOMPSON		0 8233446
2	8123	MICHELE ABOOO		-8244510
	8129	KAREN L BECKWITH		¤8232008
5		JOHN R COLLINGS		¤8232008
	NO	#*DETROIT BANK&TRUST		9623644
9	NO	#*LAFAYETTE TOWERS		5676100
		698 RESIDENCE	131	BUSINESS
5		LAFAYETTE W		48226

Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1982

	••••••••••••••••••••	48214
615	JOSEPH KUBASKD	3317234
	P OHAIRE	7 8223262
	STEPHEN C PETDSKI	3317044
	E ROMAN	4 8221186
625	*FIELO MANOR	8248311
	*27 UNITS	
	*MRS BROWN MGR	8248311
	LUE ESTHER 8RICE	-8247681
	ESTELLA CRUM8EY	4 8248311
	FREO FOSTER	¤8231898
	D JEWEL	¤8231591
	CHARLOTTE JOHNSON	9 3311667
	HATTIE M PATTERSDN	8 8240888
	E SPRUILL	8 3312904
	GIL8ERT O STRINGER	4 3317322
626	632 635 NP	
638	EL8ERT MDORE	2.3318559
640	644 650 NP	
655	DEPRIEST WINTERS	0 8233811
656	RISSIE MAOIGAN	9 8225846
664	NP	
665	CELIA EASEY	3317547
674	687 NP	
693	OORIS E TRAVIER	¤8230468
697	VAL L 8UCHANAN	¤8232823
703	NP	
705	HDMER CARO	¤8225331
716	*LAFIELO QULY MKT	8240334
1005	1014 1016 1022 NP	
1025	ROSIE L ALLEN	2 8240089
1031	OANIEL L GILCHRIST	4.8240178
1033	ROSETTA HIGGINS	7 8248949
1050	NP	
1053	*FIELO ARMS APTS	8235556
	*4 UNITS	
	*ROSA LEE WYATT MGR	8235556
	ODROTHY HANKINS	¤3314300
	JOE WILLIAMS	-8224418
1065	*FIELO ARMS APTS	8235556
	*34 UNITS	
	*RDSA LEE WYATT MGR	8235556
	MACARTHUR ALLOWAY	7 8225990
	EARLINE CALIVER	8241628
	K DAVENPORT	6 3312267
	VAN JOHNSON	-8222931
	J D JONES	8243197
	ANNETE MCKINNEY	-8225847
	OAVIO MCLENNA	¤8229207
	T TYSON	5 8225718
	P M WEATHERS	-3313863
	GEDRGE WILLIAMS	8241670
	ROSA WYATT	0 8235556
1080	NP	
1082	JOHN LEE THOMAS	3318420
1086	DELORES SAMPSON	7 8240889
1093	JAMES O SIMS	6 8240087
1104	NP	
1117	*ST CHRISTPHR CAMP	3319327
	*ST CHRIS H5-EPSCPL	3319327
1402	NP	
1406	FLOSSIE WILLIS	.9249661
1420	1430 1432 NP	
1444	ARTIE RAE MCOUFFYE	6.5791440
1450	LOIS GILLIS	¤9228274
1452	NP	
1475	MARY MOBLEY	.9221678
1492	RUEBEN RUFFIN	9 9248172
1494	1504 NP	
1505	ALLEN H LARKIN	9 9235169
1508	1510 1513 1515 NP	
1704	1706 1712 NP	
1714	ORA MCGREGOR	0 9244369
1718	NP	
1720	WILLIAM 8OLOEN	9219308
1728	1731 NP	
1739	ANNA RHDOES	4 5791559
1750	1751 1752 1753 NP	
1759	NP	
1764	*APARTMENTS	
	*28 UNITS	
	*MRS JOROAN MGR	
	FLORA GARONER	9 5790725
	LEON DLIVER	9 9218202
1780	*APARTMENTS	9248392
	*32 UNITS	
	*OON SHEFFIELO MGR	9248392
	STANLEY PORTER	¤9228637
	OAVIO SHEFFIELO	0 9248392
1793	REV JAS E WHITMAN	7 5791558
1795	1798 NP	
1801	*DPS PRNT-CHLD CNT	5790404
1812	REV EUGENE GUY	7 9226090
	*NEW 8RIOE 8APTIST	9226090
1821	OOROTHY WILSON	6.9249480

Target Street	Cross Street	Source
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E LAFAYETTE ST 1977

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3170                    NP
3172                    NP
3174                    NP
3177                    NP
3200*M L KING JR HIGH     S674844
     *M L KNG JR HG ATOC  2S91433
     *M L KING JR DV CAR  S680254
     *M L KING FD SVC OP  S67SI80
     *KING SCH YOUTH CRP  S680038
     *DPS J08 UPGRADING   S680092
3400*SNYOER CORP          S670123
3737*                   NP
6320*MODERN STOOL CO      L075955
6340 VINCENT M BURNS      L078I2I
6344                    NP
63S1                    NP
6354*LAFAYETTE CLEANERS  5684210
63S6 JAMES W SHARPE    2 5673092
6360*EASTERN TAVERN       5684054
6361*MELLOW MARKET        5679387
6417                    NP
6420*                   NP
6423                    NP
6550*VETOVITZ BROS MICH  5677540
6618 JERRY DORSEY JR      5683726
     JERRY DORSEY IV      56806S9
662I                    NP
6626                    NP
6642                    NP
6648                    NP
6659 JAMES ROBINSON       S793733
     WILLIAM SIMMONS    2 S793743
6809                    NP
6820                    NP
684S*                   NP
69II*LILLIBRDGE MANUFCT  5670520
6929*INDIAN VLLG CLNRS   L076S00
70I4*LISSA HAMBURGER SP ¤2S91738
7018*EVOLAS BLVD BARBER  L071790

     ..................    48214
7217                    NP
7227                    NP
724I                    NP
7244                    NP
7245 ARTIE FIELDS       6 33I7494
7248                    NP
7252                    NP
72S9                    NP
7332 DENNIS GREGORY      ¤3314763
7339                    NP
7606 JIMMIE J FAIRCHILD1 8240706
763I                    NP
7719                    NP
7723                    NP
7830 CHARLES PURNELL JR6 822394S
783S*OSCT HG RMN OTH CH  8241985
7836                    NP
7840                    NP
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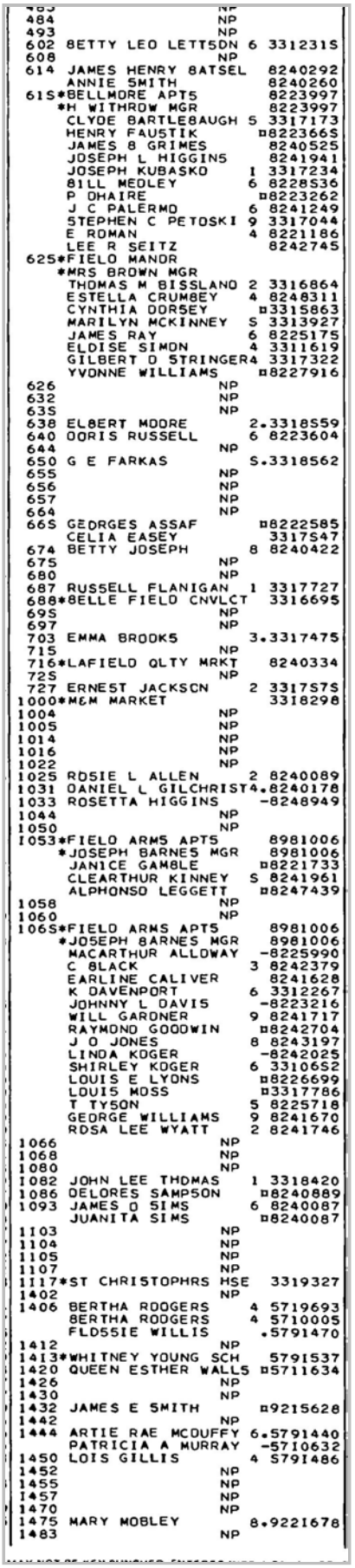
Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1977



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 485                    NP
 484                    NP
 493                    NP
 602 BETTY LEO LETTSON 6 3312315
 608                    NP
 614 JAMES HENRY BATSEL   8240292
     ANNIE SMITH          8240260
 615*BELLMORE APTS        8223997
    *H WITHROW MGR        8223997
     CLYDE BARTLEBAUGH S 3317173
     HENRY FAUSTIK       ¤8223665
     JAMES B GRIMES       8240525
     JOSEPH L HIGGINS     8241941
     JOSEPH KUBASKO     1 3317234
     BILL MEDLEY        6 8228536
     P OHAIRE           ¤8223262
     J C PALERMO        6 8241249
     STEPHEN C PETOSKI  9 3317044
     E ROMAN            4 8221186
     LEE R SEITZ          8242745
 625*FIELD MANOR
    *MRS BROWN MGR
     THOMAS M BISSLAND  2 3316864
     ESTELLA CRUMBEY    4 8248311
     CYNTHIA DORSEY     ¤3315863
     MARILYN MCKINNEY   S 3313927
     JAMES RAY          6 8225175
     ELDISE SIMON       4 3311619
     GILBERT D STRINGER4 3317322
     YVONNE WILLIAMS    ¤8227916
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 638 ELBERT MOORE         2.3318559
 640 DORIS RUSSELL        6 8223604
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 650 G E FARKAS           S.3318562
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 665 GEORGES ASSAF        ¤8222585
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 674 BETTY JOSEPH         8 8240422
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1033 ROSETTA HIGGINS      -8248949
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    *JOSEPH BARNES MGR    8981006
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     CLEARTHUR KINNEY    S 8241961
     ALPHONSO LEGGETT    ¤8247439
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    *JOSEPH BARNES MGR    8981006
     MACARTHUR ALLOWAY    -8225990
     C BLACK            3 8242379
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     K DAVENPORT        6 3312267
     JOHNNY L DAVIS       -8223216
     WILL GARDNER       9 8241717
     RAYMOND GOODWIN     ¤8242704
     J O JONES          8 8243197
     LINDA KOGER          -8242025
     SHIRLEY KOGER      6 3310652
     LOUIS E LYONS       ¤8226699
     LOUIS MOSS          ¤3317786
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     GEORGE WILLIAMS    9 8241670
     ROSA LEE WYATT     2 8241746
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1475 MARY MOBLEY         8.9221678
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Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1977

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1718	CHARLES ARRINGTON	4	S791397
1720	WILLIAM BOLDEN		9219308
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17S3		NP	
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1764	*APARTMENTS		

Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1972

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3150 ANDREW M JONES       -9617946
3152                    NP
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3155 AL8IRTHA CALLION    .5683621
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3162                    NP
3164 C SMITH               I 9645364
3165 JOE STRONG           ¤5674326
     MARIE JACKSON        6 5680027
3166 HERSHEL L HOGAN      0 9644257
3168 JAMES ROBINSON       0 9640476
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3177 EDWARD E FERRANTI9 5682020
3200*M L KING ATTO OFC    5684122
    *JOB UPGRADING OFC    5680092
    *M L KING JR HIGH     5674844
    *M L KING JR HIGH     5680038
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3400*SNYDER CORP          5670123
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6340 VINCENT M BURNS      LO78121
6344 RICHARD WELLS        ¤5671248
6351 OBIE WILLIS          ¤5676848
6354*LAFAYETTE CLEANERS 5684210
6356 JAMES W SHARPE       ¤5673092
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6618 JERRY DORSEY JR       5683726
6648                    NP
6659 JESSIE BROADNAX      ¤5676842
     JAMES ROBINSON        LO82999
     WILLIAM SIMMONS      ¤5671383
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6809 F G WILLIS            5671140

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6911*LILLIBRIDGE MANUFCT 5670520
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7018*EVOLAS BLVD BARBER  LO71790

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7244 THOMAS A GOOLSBY      5680617
7245                    NP
7252 ELSIE WOODBY           7 5670795
7259 ABRAHAM E SEDER      ¤5673085
7332                    NP
7339 A L COOK             ¤5672529
7400*VANDEWALLE VRTY ST  LO78578
7606 JIMMIE J FAIRCHILD
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7631 FRED KUMM             LO81795
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7830 MARY LOUISE RAY      ¤8231638
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7908 BERTHA HARRIS        -8231973
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7925 J BROWN              ¤3314275
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7938 MRS OTTO T STEINER.4991777
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7946 ARTHUR KUNTZ          4992623
7949 JACK L FREEMAN       9 4990955
7950 WILLIAM F SMITH      4 4999492
7951 RICHARD W NAYLOR     9 4993844
8109 BERNARD LUND         8 3313987
8123 DEROB BARON LEE      1 8232127
8129 DANIEL P DOZIER      1 8213986
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Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1972

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602                    NP
608 LILLIE SPRUILL      -5678307
614 JAMES HENRY BATSEL
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    ANNIE SMITH           S 5680820
615*8ELLMORE APTS
   *HELEN WITHROW MGR
    JOSEPH KU8ASKO      1 5674879
    GOLDIE M 8OSTAIN  0 5670418
    808BIE 8OWOEN       1 5676533
    JOSEPH L HIGGINS      5671957
    LEE R SEITZ           5672748
    JAMES 8 GRIMES        LC75025
    STEPHEN C PETOSKI9 5671918
    MICHAEL NYE         1 5680619
    EARL H 8ROWN          ¤5671768
625*FIELO MANOR APTS      5680042
   *N H CALHOUN MGR       5680042
    A K MORALES         1 LO72881
    WILMA HOM8IRG         LO71407
    ANNIE MAITLAND      0 5673714
    MERVIN O CRESS        LO72016
    SHERMAN CASTLE      1 5680782
    FANNIE SCOTT        I 5683792
    H N CALHOUN           -5680042
    THOMAS M 8ISSLAND -5676906
    JOHN R NEAL           -5673209
    CHESTER THACKER     -5670984
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638 EL8ERT MOORE        -5672006
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664 JAMES L B REECE     ¤5682301
665 CELIA EASEY           LO82990
674 BETTY JOSEPH        8 5681712
675 ALVIN L LOCKHART    ¤5681049
680 AR8A N DEUTSCH        5671472
    L E FITZPATRICK     ¤5680649
687 CHARLES SHANKS      ¤5670117
    RUSSELL FLANIGAN  1 5671338
    OANIEL L 8ROWN JR -5676798
    TOMMIE HEROELBURG -5679537
688*8ELLE FLD CON HOME LO78333
697                    NP
703 EMMA 8ROOKS         3.5682995
715 LULA HUTCHINSON     -5670629
716*LAFIELO QUALTY MKT 5674336
725 FRANK PORTER        3 5674085
727 ERNEST JACKSON      -5670396
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1005 SAM A8RAHAM          .LO83817
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1033 LUCIOUS CARTER JRO 5683774
1044 OALE E LUCAS       ¤5679662
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1053 REBECCA SMITH      0 5680841
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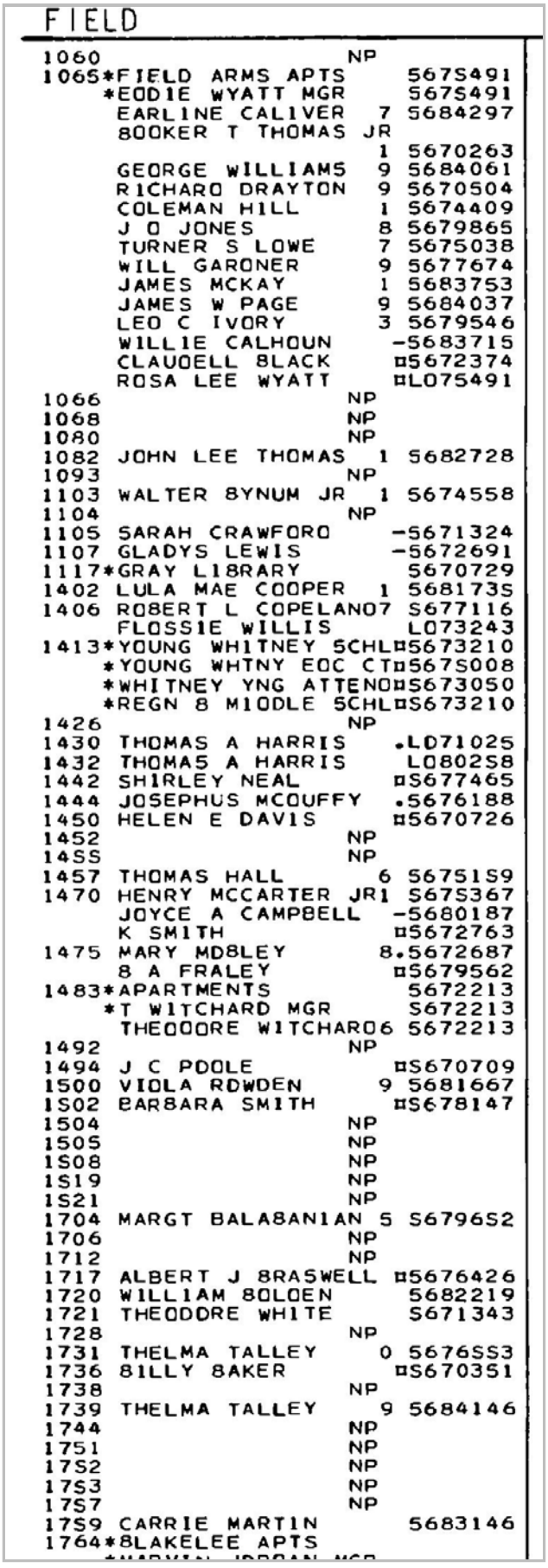
Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1972



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                        1 5670263
     GEORGE WILLIAMS    9 5684061
     RICHARO DRAYTON    9 5670504
     COLEMAN HILL       1 5674409
     J O JONES          8 5679865
     TURNER S LOWE      7 5675038
     WILL GARONER       9 5677674
     JAMES MCKAY        1 5683753
     JAMES W PAGE       9 5684037
     LEO C IVORY        3 5679546
     WILLIE CALHOUN     -5683715
     CLAUOELL 8LACK     ¤5672374
     ROSA LEE WYATT     ¤LO75491
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1080                        NP
1082 JOHN LEE THOMAS    1 5682728
1093                        NP
1103 WALTER 8YNUM JR    1 5674558
1104                        NP
1105 SARAH CRAWFORO       -5671324
1107 GLADYS LEWIS         -5672691
1117*GRAY LIBRARY          5670729
1402 LULA MAE COOPER    1 568173S
1406 ROBERT L COPELANO7 S677116
     FLOSSIE WILLIS       LO73243
1413*YOUNG WHITNEY SCHL¤5673210
    *YOUNG WHTNY EOC CT¤567S008
    *WHITNEY YNG ATTENO¤5673050
    *REGN 8 MIODLE SCHL¤S673210
1426                        NP
1430 THOMAS A HARRIS      .LO71025
1432 THOMAS A HARRIS       LO802S8
1442 SHIRLEY NEAL         ¤S677465
1444 JOSEPHUS MCOUFFY     .5676188
1450 HELEN E DAVIS        ¤5670726
1452                        NP
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1457 THOMAS HALL        6 567S1S9
1470 HENRY MCCARTER JR1 S67S367
     JOYCE A CAMPBELL   -5680187
     K SMITH            ¤5672763
1475 MARY MD8LEY        8.5672687
     8 A FRALEY         ¤5679562
1483*APARTMENTS          5672213
    *T WITCHARD MGR      S672213
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1494 J C POOLE            ¤S670709
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1720 WILLIAM 8OLOEN      5682219
1721 THEODDRE WHITE      S671343
1728                        NP
1731 THELMA TALLEY      0 5676SS3
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17S9 CARRIE MARTIN        5683146
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    *MARVIN IRRAN MGR
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Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1967

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3749                    NP
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3760*DET FLT&STMPG CO   L080300
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6344 JOSEPH WY80        ¤5676659
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6419 ELIZABETH COX      L074335
6423 JOHN T ALLEN JR    ¤5681973
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6447 CHARLIE BEAN     6 5683273
6459*PRISCILLAS BTY SHP 5675949
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6621 ALFONZO SMITH    2.5674899
6626 IDA DRUMMOND     3.5678518
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6823 HARRY L PORTER   6 5670831
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    *KLENK CHEM CORP    ¤5677570
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6929*INDIAN VLLG CLNRS  L076500
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7018*EVOLAS BLVD BARBER L071790

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7217 AARON PASSMORE     ¤5674169
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7227 ROBERT J COOK      -5672529
7241 CHARLES UNDERWOOD  ¤5675162
7244 THOMAS A GOOLSBY 9 L080617
7245                    NP
7248 CHARLIE M HANEY  8.L074868
7252 ROBERT J WOODBY    ¤5672949
7320 CHARLES CHARBENEAU¤5680173
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7341*JOHNS COFFEE HOUSE 5675350
7349*CONTNTL WIGS CO    ¤5682433
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7428*M R BAKER ANTIQUES 5680515
7606 LAWRENCE E LEVI    ¤5684006
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FIELD ST 1967

WILMA HOMBIRG 2 L071407
MERVIN D CRESS 8 L072016
HELEN M WEITZEL 6 5682853
MRS ALVA HAKANSON7 L072881
EDWARD S CHANG 5 5672885
KATHRYN TRACY 5674406
626 ELSIE B DUNCAN L072514
632 CLARENCE R CLAWSON¤L081936
GERALD CLAWSON 9 L081936
635 NP
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640 THOMAS E ZAIDAN L080079
644 WILSON WALDROP .L075824
645 EDGAR GRANTHAM 5679890
VIRGINIA GRANTHAM3 5679890
650 GRACE FARKAS L075828
655 NP
656 JAIME CORDOBA ¤5680517
657 COLETA LIVINGSTONE L081095
664 JAMES L B REECE L082301
665 CELIA EASEY L082990
668 JAMES H BURGESS 9 L084052
674 CHAS E TESTEMENT 7 L071088
675 NP
677 NP
680 JAMES HANSFORD 7 L081720
ARBA N DEUTSCH 2 5671472
687•ANN-GENE APTS 5673965
•THOMAS F BOASE MGR 5673965
MICHAEL J BARKER ¤5681584
SMAUEL A EATON 6 5682024
THOMAS F BOASE .5673965
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BESSIE M WHITMAN 5681819
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705 EMMA BROOKS ¤5672695
713 NP
715 L C MERCER ¤5672673
716•LAFIELD QUALTY MKT 5677133
725 FRANK PORTER 3 5674085
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1000•M&M FRUIT MKT L089885
1004 JOHN E THOMAS 6 5674395
1005 SAM ABRAHAM .L083817
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1016 E HALBERT 6 5681309
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1026 NP
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LUCIOUS CARTER JR ¤5683547
1045 ALICE EDNA KHOURY L080715
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JAMES IRVING 5 5677552
J M GILBERT ¤5678164
JOYCE KINNIEBREW 6 5682190
NORMAN HAWKINS ¤5673087
ROSETTA JOHNSON ¤5673461
1058 NP
1060 JOHN THOMAS 2 5682835
1065•FIELD ARM APTS L075491
•EDDIE WYATT MGR L075491
TURNER S LOWE ¤5675038
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FRANK G LAWRENCE 6 5678719
LEO C IVORY 3 5679546
PECOLA WILLIAMS -5680565
VIOLA HUTCHINS 5 5681074
WILLIAM WALKER ¤5681766
JERRY JACKSON 6 5671271
R M LOWERY ¤5672523
DONALD R JOHNSON ¤5682629
MARY E WRIGHT -5682903
JAMES ROSSO 6 5683107
PATRICIA ROSSO 6 5683107
WILLIAM KNIGHT ¤5684243
EARLINE CALIVER -5684297
ROBERT J WYATT ¤5674128
REV ALTON ATKINSON¤5674315
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1086 WILLIE JONES 6 5679615
LEE ELLERSON ¤5672807
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1109 JOHN ALFRED 5 5683884
1110 PAUL L STEPP 0.5672113
1117•DET PUBLIC LIBRARY 5670729
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1406 ROBERT COPELAND ¤5677116
FLOSSIE WILLIS L073243
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1426 JACK HENSON ¤5678261
1430 THOMAS A HARRIS .L071025
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1444 JOSEPHUS MCDUFFY 9.L076188
1455 SAMUEL B COLEMAN 6 5672647
MARY MYER JOBST .L073250
1456 ALBERT ADAMS ¤5671929
1457 THOMAS HALL 6 5675159
1470 THADDEUS BADEY ¤5674805
JADY GAYLES ¤5675298
JAMES HUGHES 6 5678305
ARTHUR HARRIS 5 5681065
ADORABLE AGEE ¤5672257
MALACHI BLACK JR ¤5674104
1475 PETER PROVOS 8.L072399
1482 DORTHY M DRAKE -5675813
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THEODORE WITCHARD6 5672213
WILLIAM REYNOLDS ¤5683695
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1497 HENRY HINTON ¤5678278
ELIGH JOHNSON ¤5683204
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BEATRICE J BUTLER ¤5682569
1703 NP
1704 ANN BALABANIAN 5 5679652
1706 NP
1707 RUFUS MITCHELL ¤5684139
1712 E C CARD 6 5681587
1714 WILLIAM STEWART 3 5680945
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1718 GEORGE ROBINSON 4 5679614
MARGARET ROBINSON4 5679614
1720 WILLIAM BOLDEN 2 L082219
1721 THEODORE WHITE 2 5671343
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1731 ARNOLD C LAMBERG L070093
1738 CLARA M COLEMAN ¤5680105
1739 A J WRIGHT ¤5671564
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1750 DIANE DURRETT 6 5672449
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1752 IZELL ROBINSON ¤5681218
1753 NP
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1757 NP
1759 CARRIE MARTIN 2 5683146
1764•BLAKESLEE APTS
•VIRG C JORDAN MGR
ALBERT LANE ¤5676741
LENA LANE ¤5676741
JERRY VERNON 6 5676766
MIKE WILLIAMS ¤5671529
EUNICE THOMAS ¤5682612
THEODORE WILLIAMS ¤5683754
ROSE FLEMING ¤5673721
1769 NP
1773 ERIC EDWARDS 6 5674661
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1780•HENRY MANOR APTS 5672789
•MRS LUCKETT MGR 5672789
A WARTNER L077562
LUCY PEASE L077734
SALLIE THOMPSON ¤5678487
ROBERT G BROWN -5671073
EDD LEE BALDWIN -5673944
STEPHEN C PETOSKI L071914
JOHN R CLAY ¤5672153
PECOLA GALLOWAY ¤5683415
Q LUCKETT ¤5672789
CLARA G PFEIFFER 4 5672978
1783 SARAH BROWN -5683026
JESSIE DUNN 3 5674337
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EVA L PETTY 5 5672609
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2108 ESTELLA SINGLETON ¤5675053
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WADE HILL 1 L080985
AMOS COTTON 6 5681085
ROSETTA HIGGINS -5671120
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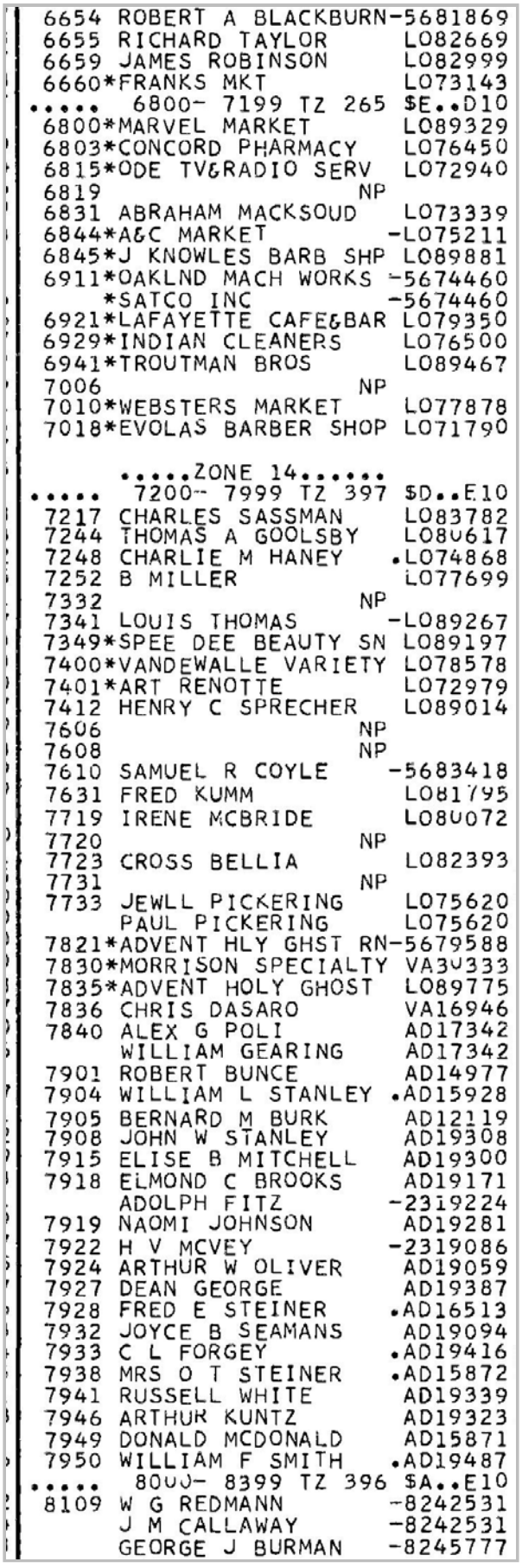
2165 NP
2166 WILLIAM BAGGETT 6.5680218
2168 NP
2171 STERLING NORFLEET .5677161
2176 LARRY CLARK ¤5674508
2185 HELEN EPPS ¤5682324
2195 ROSE M GRAHAM 0.L083465
2196 ALBERTA BROWN L078850
2198 OLA M WINSTON 8.L072614
2205 MARY MONAZYM L081198
2206 J J DOOLEY .L073276
2208 NP
2215 G C BINHAMMER L083065
2217 LOUIS D KENNEDY .5683272
2218 NP
2222 NP
2226 T J GREENWOOD SR L083971
SAMUEL E BROWN 9.L083971
2227 FRED T LEE .L079592
T FRED LEE 8 L079592
2235 MRS RUBY L MOON ¤5675613
2238 M WASHINGTON JR L072873
2244 EARL COLMAN 4 L076726
JESSE WILLIAMS 3 5682863
2250 NP
..... 2400- 3599 TZ 400 $E..D10
2403 NP
2404 NP
2405 LOUISE HADLEY 3 9250169
LAURETHA WHEELER ¤9233659
SARAH OWENS 4 9245526
2411 GUS DAVIS 4 9247165
2420 FRANK CALDWELL 4 9217240
LOUISE CALDWELL 4 9217240

Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1962



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 6654 ROBERT A BLACKBURN-5681869
 6655 RICHARD TAYLOR     LO82669
 6659 JAMES ROBINSON     LO82999
 6660*FRANKS MKT         LO73143
.....  6800- 7199 TZ 265 $E..D10
 6800*MARVEL MARKET      LO89329
 6803*CONCORD PHARMACY   LO76450
 6815*ODE TV&RADIO SERV  LO72940
 6819                NP
 6831 ABRAHAM MACKSOUD   LO73339
 6844*A&C MARKET        -LO75211
 6845*J KNOWLES BARB SHP LO89881
 6911*OAKLND MACH WORKS -5674460
     *SATCO INC         -5674460
 6921*LAFAYETTE CAFE&BAR LO79350
 6929*INDIAN CLEANERS    LO76500
 6941*TROUTMAN BROS      LO89467
 7006                NP
 7010*WEBSTERS MARKET    LO77878
 7018*EVOLAS BARBER SHOP LO71790

      .....ZONE 14......
.....  7200- 7999 TZ 397 $D..E10
 7217 CHARLES SASSMAN    LO83782
 7244 THOMAS A GOOLSBY   LO80617
 7248 CHARLIE M HANEY   .LO74868
 7252 B MILLER           LO77699
 7332                NP
 7341 LOUIS THOMAS      -LO89267
 7349*SPEE DEE BEAUTY SN LO89197
 7400*VANDEWALLE VARIETY LO78578
 7401*ART RENOTTE        LO72979
 7412 HENRY C SPRECHER   LO89014
 7606                NP
 7608                NP
 7610 SAMUEL R COYLE    -5683418
 7631 FRED KUMM          LO81795
 7719 IRENE MCBRIDE      LO80072
 7720                NP
 7723 CROSS BELLIA       LO82393
 7731                NP
 7733 JEWLL PICKERING    LO75620
      PAUL PICKERING     LO75620
 7821*ADVENT HLY GHST RN-5679588
 7830*MORRISON SPECIALTY VA30333
 7835*ADVENT HOLY GHOST  LO89775
 7836 CHRIS DASARO       VA16946
 7840 ALEX G POLI        AD17342
      WILLIAM GEARING    AD17342
 7901 ROBERT BUNCE       AD14977
 7904 WILLIAM L STANLEY .AD15928
 7905 BERNARD M BURK     AD12119
 7908 JOHN W STANLEY     AD19308
 7915 ELISE B MITCHELL   AD19300
 7918 ELMOND C BROOKS    AD19171
      ADOLPH FITZ       -2319224
 7919 NAOMI JOHNSON      AD19281
 7922 H V MCVEY         -2319086
 7924 ARTHUR W OLIVER    AD19059
 7927 DEAN GEORGE        AD19387
 7928 FRED E STEINER    .AD16513
 7932 JOYCE B SEAMANS    AD19094
 7933 C L FORGEY        .AD19416
 7938 MRS O T STEINER   .AD15872
 7941 RUSSELL WHITE      AD19339
 7946 ARTHUR KUNTZ       AD19323
 7949 DONALD MCDONALD    AD15871
 7950 WILLIAM F SMITH   .AD19487
.....  8000- 8399 TZ 396 $A..E10
 8109 W G REDMANN       -8242531
      J M CALLAWAY      -8242531
      GEORGE J BURMAN   -8245777
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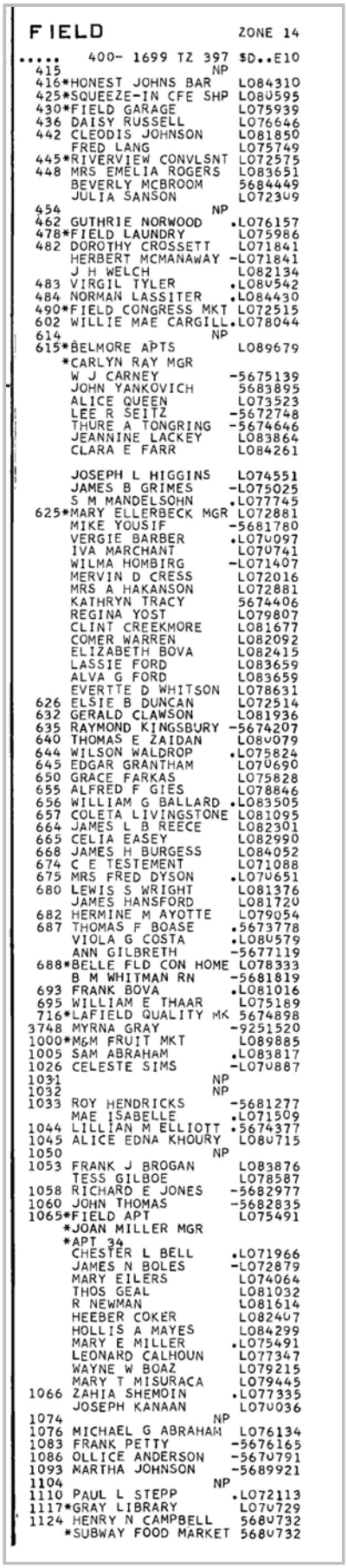
Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1962



FIELD ZONE 14

..... 400- 1699 TZ 397 $D..E10
415 NP
416*HONEST JOHNS BAR LO84310
425*SQUEEZE-IN CFE SHP LO80595
430*FIELD GARAGE LO75939
436 DAISY RUSSELL LO76646
442 CLEODIS JOHNSON LO81850
FRED LANG LO75749
445*RIVERVIEW CONVLSNT LO72575
448 MRS EMELIA ROGERS LO83651
BEVERLY MCBROOM 5684449
JULIA SANSON LO72309
454 NP
462 GUTHRIE NORWOOD .LO76157
478*FIELD LAUNDRY LO75986
482 DOROTHY CROSSETT LO71841
HERBERT MCMANAWAY -LO71841
J H WELCH LO82134
483 VIRGIL TYLER .LO80542
484 NORMAN LASSITER .LO84430
490*FIELD CONGRESS MKT LO72515
602 WILLIE MAE CARGILL.LO78044
614 NP
615*BELMORE APTS LO89679
*CARLYN RAY MGR
W J CARNEY -5675139
JOHN YANKOVICH 5683895
ALICE QUEEN LO73523
LEE R SEITZ -5672748
THURE A TONGRING -5674646
JEANNINE LACKEY LO83864
CLARA E FARR LO84261

JOSEPH L HIGGINS LO74551
JAMES B GRIMES -LO75025
S M MANDELSOHN .LO77745
625*MARY ELLERBECK MGR LO72881
MIKE YOUSIF -5681780
VERGIE BARBER .LO70097
IVA MARCHANT LO70741
WILMA HOMBIRG -LO71407
MERVIN D CRESS LO72016
MRS A HAKANSON LO72881
KATHRYN TRACY 5674406
REGINA YOST LO79807
CLINT CREEKMORE LO81677
COMER WARREN LO82092
ELIZABETH BOVA LO82415
LASSIE FORD LO83659
ALVA G FORD LO83659
EVERTTE D WHITSON LO78631
626 ELSIE B DUNCAN LO72514
632 GERALD CLAWSON LO81936
635 RAYMOND KINGSBURY -5674207
640 THOMAS E ZAIDAN LO80079
644 WILSON WALDROP .LO75824
645 EDGAR GRANTHAM LO70690
650 GRACE FARKAS LO75828
655 ALFRED F GIES LO78846
656 WILLIAM G BALLARD .LO83505
657 COLETA LIVINGSTONE LO81095
664 JAMES L B REECE LO82301
665 CELIA EASEY LO82990
668 JAMES H BURGESS LO84052
674 C E TESTEMENT LO71088
675 MRS FRED DYSON .LO70651
680 LEWIS S WRIGHT LO81376
JAMES HANSFORD LO81720
682 HERMINE M AYOTTE LO79054
687 THOMAS F BOASE .5673778
VIOLA G COSTA .LO80579
ANN GILBRETH -5677119
688*BELLE FLD CON HOME LO78333
B M WHITMAN RN -5681819
693 FRANK BOVA .LO81016
695 WILLIAM E THAAR LO75189
716*LAFIELD QUALITY MK 5674898
3748 MYRNA GRAY -9251520
1000*M&M FRUIT MKT LO89885
1005 SAM ABRAHAM .LO83817
1026 CELESTE SIMS -LO70887
1031 NP
1032 NP
1033 ROY HENDRICKS -5681277
MAE ISABELLE .LO71509
1044 LILLIAN M ELLIOTT .5674377
1045 ALICE EDNA KHOURY LO80715
1050 NP
1053 FRANK J BROGAN LO83876
TESS GILBOE LO78587
1058 RICHARD E JONES -5682977
1060 JOHN THOMAS -5682835
1065*FIELD APT LO75491
*JOAN MILLER MGR
*APT 34
CHESTER L BELL .LO71966
JAMES N BOLES -LO72879
MARY EILERS LO74064
THOS GEAL LO81032
R NEWMAN LO81614
HEEBER COKER LO82407
HOLLIS A MAYES LO84299
MARY E MILLER .LO75491
LEONARD CALHOUN LO77347
WAYNE W BOAZ LO79215
MARY T MISURACA LO79445
1066 ZAHIA SHEMOIN .LO77335
JOSEPH KANAAN LO70036
1074 NP
1076 MICHAEL G ABRAHAM LO76134
1083 FRANK PETTY -5676165
1086 OLLICE ANDERSON -5670791
1093 MARTHA JOHNSON -5689921
1104 NP
1110 PAUL L STEPP .LO72113
1117*GRAY LIBRARY LO70729
1124 HENRY N CAMPBELL 5680732
*SUBWAY FOOD MARKET 5680732

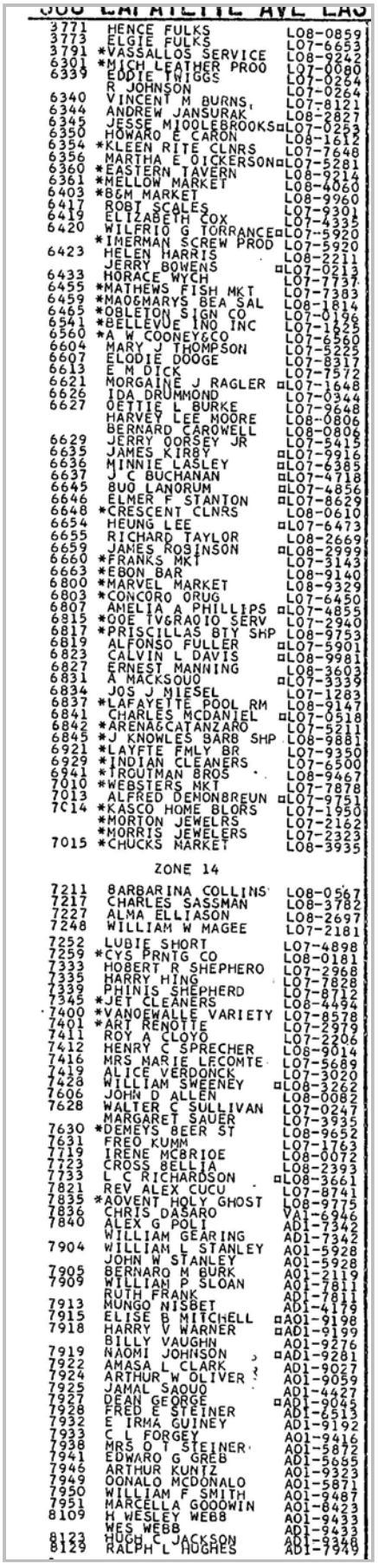
FIELD ST 1962

302 FIELD

1406	FLOSSIE WILLIS	LO73243
1413*	FIELD E SCHOOL	5683576
1430	THOMAS A HARRIS	•LO71025
1432	THOMAS A HARRIS	LO80258
1438	BERNARD BRIDGES	-5675416
	VETTA BRIDGES	-5675416
1444	JOSEPHUS MCDUFFY	•LO76188
1450	JAMES MCDUFFIE	-LO81197
1452	ODELL MURFF	LO70139
1455	MARY M JOBST	LO73250
1463	CLEO BROWN	LO78398
1465	GILLESPIE MORGAN	•LO77256
	ODESSA L BIRKHEAD	LO77256
1470	CASPER CUTLER	-5675782
	LUCILLE MCCASKILL	-5677122
	MARY A DENBY	-5677122
1475	PETER PROVOS	•LO72399
1482		NP
1483	JOHN A HUEY	-5683092
	ALBERT LUTFY	5672871
	ARCHIE SWIGGINS JR	-5674051
	ETHEL SWIGGINS	-5674051
	MABLE L BEARD	LO74671
1492		NP
1494	WESLEY BIRCHELL	LO70627
1495		NP
1497*	SAMUEL JOHNSON	5682735
1504		NP
1508	GARNETT BROOKS	•LO78435
•••••	1700- 2399 TZ 398	$E••D10
1711		NP
1712	SUSIE M EADY	-5675068
1715		NP
1717	C MONTGOMERY	-5672498
1720	WILLIAM BOLDEN	-LO82219
1721	THEODORE WHITE	-5671343
1728	HERMAN LINDSEY	•LO80804
1729	WALTER HAMMOND	LO80393
	QUEEN C DOKES	LO80393
1731	ARNOLD C LAMBERG	LO70093
1739	JOSEPHINE COX	LO77936
	JOHN F COX	LO77936
1744	JOHN P HENKE	LO81439
1751	LILLIAN SMITH	-5680394
1752	IZELL ROBINSON	•LO75087
1753		NP
1756		NP

Target Street	Cross Street	Source
-	✓	Bresser's Cross-Index Directory

E LAFAYETTE ST 1957



300 LAFAYETTE AVE LAS

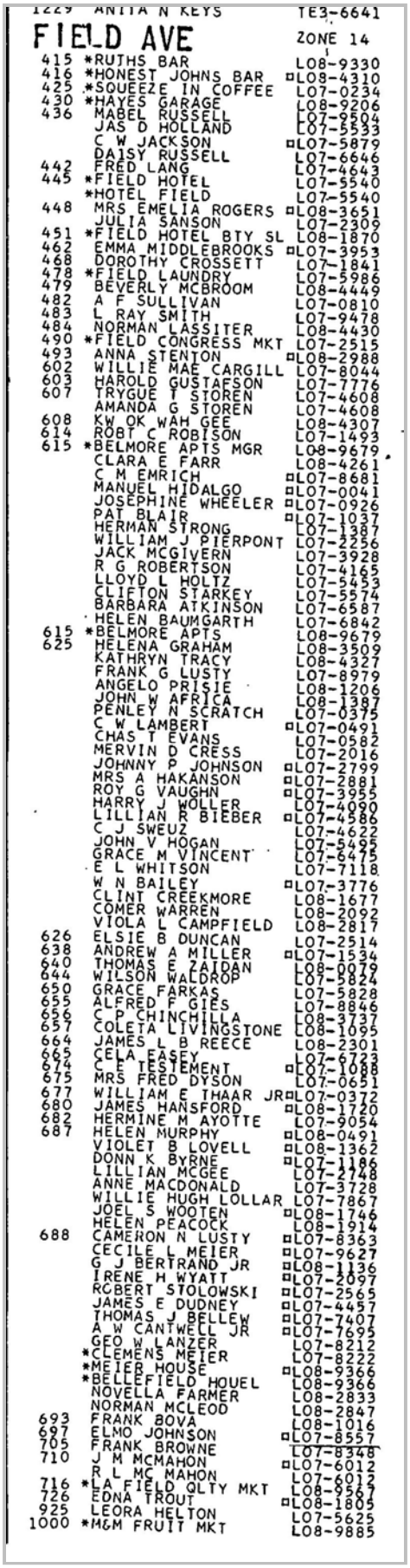
3771 HENCE FULKS LO8-0859
3773 ELGIE FULKS LO7-6653
3791 *VASSALLOS SERVICE LO8-9242
6301 *MICH LEATHER PROO LO7-0080
6339 EODIE TWIGGS LO7-0264
R JOHNSON LO7-0264
6340 VINCENT M BURNS, LO7-8121
6344 ANDREW JANSURAK LO8-2827
6345 JESSE MIOOLEBROOKS LO7-0253
6350 HOWARO E CARON LO8-1612
6354 *KLEEN RITE CLNRS LO7-7648
6356 MARTHA E OICKERSON LO7-5281
6360 *EASTERN TAVERN LO8-9214
6361 *MELLOW MARKET LO8-4060
6403 *B&M MARKET LO8-9960
6417 ROBT SCALES LO7-9301
6419 ELIZABETH COX LO7-4335
6420 WILFRIO G TORRANCE LO7-5920
*IMERMAN SCREW PROO LO7-5920
6423 HELEN HARRIS LO8-2211
JERRY BOWENS LO7-0213
6433 HORACE WYCH LO7-7737
6455 *MATHEWS FISH MKT LO7-7383
6459 *MAO&MARYS BEA SAL LO8-1814
6465 *OBLETON SIGN CO LO7-0196
6541 *BELLEVUE INO INC LO7-1625
6560 *A W COONEY&CO LO7-6560
6604 MARY J THOMPSON LO7-5225
6607 ELOOIE OOOGE LO7-8317
6613 E M OICK LO7-7572
6621 MORGAINE J RAGLER LO7-1648
6626 IDA DRUMMOND LO7-0344
6627 OETTIE L BURKE LO7-9648
HARVEY LEE MOORE LO8-0806
BERNARO CAROWELL LO8-0806
6629 JERRY OORSEY JR LO7-5415
6635 JAMES KIRBY LO7-9916
6636 MINNIE LASLEY LO7-6385
6637 J C BUCHANAN LO7-4718
6645 BUO LANORUM LO7-4856
6646 ELMER F STANTON LO7-8629
6648 *CRESCENT CLNRS LO8-0610
6654 HEUNG LEE LO7-6473
6655 RICHARO TAYLOR LO8-2669
6659 JAMES ROSINSON LO8-2999
6660 *FRANKS MKT LO7-3143
6663 *EBON BAR LO8-9140
6800 *MARVEL MARKET LO8-9329
6803 *CONCORO ORUG LO7-6450
6807 AMELIA A PHILLIPS LO7-4855
6815 *OOE IV&RAOIO SERV LO7-2940
6817 *PRISCILLAS BTY SHP LO8-9753
6819 ALFONSO FULLER LO7-5901
6823 CALVIN L DAVIS LO8-9981
6827 ERNEST MANNING LO8-3603
6831 A MACKSOUO LO7-3339
6834 JOS J MIESEL LO7-1283
6837 *LAFAYETTE POOL RM LO8-9147
6841 CHARLES MCDANIEL LO7-0518
6842 *ARENAGCATANZARO LO7-5211
6845 *J KNOWLES BARB SHP LO8-9881
6921 *LAYFTE FMLY BR LO7-9350
6929 *INDIAN CLEANERS LO7-6500
6941 *TROUTMAN BROS LO8-9467
7010 *WEBSTERS MKT LO7-7878
7013 ALFRED OENON8REUN LO7-9751
7014 *KASCO HOME BLORS LO7-1950
*MORTON JEWELRS LO7-2162
*MORRIS JEWELERS LO7-2323
7015 *CHUCKS MARKET LO8-3935

ZONE 14

7211 8ARBARINA COLLINS LO8-0567
7217 CHARLES SASSMAN LO8-3782
7227 ALMA ELLIASON LO8-2697
7248 WILLIAM W MAGEE LO7-2181
7252 LUBIE SHORT LO7-4898
7259 *CYS PRNTG CO LO8-0181
7333 HOBERT R SHEPHERO LO7-2968
7335 HARRY HING LO7-7828
7339 PHINIS SHEPHERD LO7-8712
7345 *JET CLEANERS LO8-4494
7400 *VANOEWALLE VARIETY LO7-8578
7401 *ART RENOTTE LO7-2979
7411 ROY A CLOYO LO7-2206
7412 HENRY C SPRECHER LO8-9014
7416 MRS MARIE LECOMTE LO7-5689
7419 ALICE VERDONCK LO7-3020
7428 WILLIAM SWEENEY LO8-3262
7606 JOHN O ALLEN LO8-0082
7628 WALTER C SULLIVAN LO7-0247
MARGARET SAUER LO7-3935
7630 *OEMEYS BEER ST LO8-9652
7631 FREO KUMM LO7-1763
7719 IRENE MC8RIOE LO8-0072
7723 CROSS 8ELLIA LO8-2393
7733 L C RICHARDSON LO8-3661
7821 REV ALEX CUCU LO7-8741
7835 *AOVENT HOLY GHOST LO8-9775
7836 CHRIS OASARO VA1-6946
7840 ALEX G POLI AO1-7342
WILLIAM GEARING AO1-7342
7904 WILLIAM L STANLEY AO1-5928
JOHN W STANLEY AO1-5928
7905 BERNARO M BURK AO1-2119
7909 WILLIAM P SLOAN AO1-7811
RUTH FRANK AO1-7811
7913 MUNGO NISBET AO1-4179
7915 ELISE B MITCHELL AO1-9198
7918 HARRY V WARNER AO1-9199
BILLY VAUGHN AO1-9276
7919 NAOMI JOHNSON AO1-9281
7922 AMASA L CLARK AO1-9027
7924 ARTHUR W OLIVER AO1-9059
7925 JAMAL SAOUO AO1-4427
7927 OEAN GEORGE AO1-9045
7928 FRED E STEINER AO1-6513
7932 E IRMA GUINEY AO1-9192
7933 C L FORGEY AO1-9416
7938 MRS O T STEINER AO1-5872
7941 EOWARO G GREB AO1-5695
7946 ARTHUR KUNTZ AO1-9323
7949 OONALO MCOONALO AO1-5871
7950 WILLIAM F SMITH AO1-9487
7951 MARCELLA GOOOWIN AO1-8423
8109 H WESLEY WEB8 AO1-9433
WES WEBB AO1-9433
8123 HUGH C JACKSON AO1-9348
8129 RALPH L HUGHES AO1-7949

Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1957



1229 ANITA N KEYS TE3-6641

FIELD AVE ZONE 14

415 *RUTHS BAR LO8-9330
416 *HONEST JOHNS BAR ▫LO8-4310
425 *SQUEEZE IN COFFEE LO7-0234
430 *HAYES GARAGE LO8-9206
436 MABEL RUSSELL LO7-9504
JAS D HOLLAND LO7-5533
C W JACKSON ▫LO7-5879
DAISY RUSSELL LO7-6646
442 FRED LANG LO7-4643
445 *FIELD HOTEL LO7-5540
*HOTEL FIELD LO7-5540
448 MRS EMELIA ROGERS ▫LO8-3651
JULIA SANSON LO7-2309
451 *FIELD HOTEL BTY SL LO8-1870
462 EMMA MIDDLEBROOKS ▫LO7-3953
468 DOROTHY CROSSETT LO7-1841
478 *FIELD LAUNDRY LO7-5986
479 BEVERLY MCBROOM LO8-4449
482 A F SULLIVAN LO7-0810
483 L RAY SMITH LO7-9478
484 NORMAN LASSITER LO8-4430
490 *FIELD CONGRESS MKT LO7-2515
493 ANNA STENTON ▫LO8-2988
602 WILLIE MAE CARGILL LO7-8044
603 HAROLD GUSTAFSON LO7-7776
607 TRYGUE T STOREN LO7-4608
AMANDA G STOREN LO7-4608
608 KW OK WAH GEE LO8-4307
614 ROBT C ROBISON LO7-1493
615 *BELMORE APTS MGR LO8-9679
CLARA E FARR LO8-4261
C M EMRICH ▫LO7-8681
MANUEL HIDALGO ▫LO7-0041
JOSEPHINE WHEELER ▫LO7-0926
PAT BLAIR ▫LO7-1037
HERMAN STRONG LO7-1387
WILLIAM J PIERPONT LO7-2256
JACK MCGIVERN LO7-3928
R G ROBERTSON LO7-4165
LLOYD L HOLTZ LO7-5453
CLIFTON STARKEY LO7-5574
BARBARA ATKINSON LO7-6587
HELEN BAUMGARTH LO7-6842
615 *BELMORE APTS LO8-9679
625 HELENA GRAHAM LO8-3509
KATHRYN TRACY LO8-4327
FRANK G LUSTY LO7-8979
ANGELO PRISIE LO8-1206
JOHN W AFRICA LO8-1387
PENLEY N SCRATCH LO7-0375
C W LAMBERT ▫LO7-0491
CHAS T EVANS LO7-0582
MERVIN D CRESS LO7-2016
JOHNNY P JOHNSON ▫LO7-2799
MRS A HAKANSON ▫LO7-2881
ROY G VAUGHN ▫LO7-3955
HARRY J WOLLER LO7-4090
LILLIAN R BIEBER ▫LO7-4586
C J SWEUZ LO7-4622
JOHN V HOGAN LO7-5495
GRACE M VINCENT LO7-6475
E L WHITSON LO7-7118
W N BAILEY ▫LO7-3776
CLINT CREEKMORE LO8-1677
COMER WARREN LO8-2092
VIOLA L CAMPFIELD LO8-2817
626 ELSIE B DUNCAN LO7-2514
638 ANDREW A MILLER ▫LO7-1534
640 THOMAS E ZAIDAN LO8-0079
644 WILSON WALDROP LO7-5824
650 GRACE FARKAS LO7-5828
655 ALFRED F GIES LO7-8846
656 C P CHINCHILLA LO8-3737
657 COLETA LIVINGSTONE LO8-1095
664 JAMES L B REECE LO8-2301
665 CELA EASEY LO7-6723
674 C E TESTEMENT ▫LO7-1088
675 MRS FRED DYSON LO7-0651
677 WILLIAM E IHAAR JR ▫LO7-0372
680 JAMES HANSFORD ▫LO8-1720
682 HERMINE M AYOTTE LO7-9054
687 HELEN MURPHY ▫LO8-0491
VIOLET B LOVELL ▫LO8-1362
DONN K BYRNE ▫LO7-1186
LILLIAN MCGEE LO7-2748
ANNE MACDONALD LO7-3728
WILLIE HUGH LOLLAR LO7-7867
JOEL S WOOTEN ▫LO8-1746
HELEN PEACOCK LO8-1914
688 CAMERON N LUSTY ▫LO7-8363
CECILE L MEIER ▫LO7-9627
G J BERTRAND JR ▫LO8-1136
IRENE H WYATT ▫LO7-2097
ROBERT STOLOWSKI ▫LO7-2565
JAMES E DUDNEY ▫LO7-4457
THOMAS J BELLEW ▫LO7-7407
A W CANTWELL JR ▫LO7-7695
GEO W LANZER LO7-8212
*CLEMENS MEIER LO7-8222
*MEIER HOUSE ▫LO8-9366
*BELLEFIELD HOUEL LO8-9366
NOVELLA FARMER LO8-2833
NORMAN MCLEOD LO8-2847
693 FRANK BOVA LO8-1016
697 ELMO JOHNSON ▫LO7-8557
705 FRANK BROWNE LO7-8348
710 J M MCMAHON ▫LO7-6012
R L MC MAHON LO7-6012
716 *LA FIELD QLTY MKT LO8-9567
726 EDNA TROUT ▫LO8-1805
925 LEORA HELTON LO7-5625
1000 *M&M FRUIT MKT LO8-9885

Target Street	Cross Street	Source
✓	-	Bresser's Cross-Index Directory

FIELD ST 1957

1005	SAM ABRAHAM	LO8-3817
1014	EDITH G HAMM	LO7-0163
1016	JOHN M KASSA	□LO7-3574
1022	WILLIAM A FLORENCE	□LO8-3123
1026	J COSTA	LO8-4443
1033	TILLIE RUNYON	□LO8-2790
1034	CURTIS A STEPHENS	□LO8-1522
1045	ALICE EDNA KHOURY	LO8-0715
1046	LILLIAN M ELLIOTT	LO7-4377
1053	ELMER J KREUTZER	LO8-3841
	FRANK J BROGAN	LO8-3876
	TESS GILBOE	LO7-8587
	THOS LACY	LO7-0617
	O F MILLER	LO7-6741
	ROBERT S LACEWELL	LO8-2673
1058	E A BERGER	LO7-2374
1060	MARY SHAYA	□LO7-3129
1065	*FIELD ARMS	LO7-5491
	*WILLIAM WORDEN MGR	LO7-5491
	HOLLIS A MAYES	□LO8-4299
	EDWARD KARABA	□LO8-9073
	FREDERICK A SPAHN	□LO7-8740
	WAYNE W BOAZ	LO7-9215
	MARY T MISURACA	LO7-9445
	THOS GEAL	LO8-1032
	ERNEST WARD	□LO7-1141
	JAMES N BOLES	LO7-2879
	ELIZABETH SINER	LO7-4315
	WILLIAM WORDEN	LO7-5491
	JOSEPH GRIFFIN	LO7-6702
	DONALD E TYREE	LO7-7048
	LLOYD TISOALE	□LO7-6197
	R NEWMAN	LO8-1614
	DAVID KAHN	LO8-2238
	G W LACEWELL	LO8-2405
	JOSEPH HIGGINS	LO8-2405
	HEEBER COKER	LO8-2407
	EUDINE NEWTON	LO8-3204
1066	JOSEPH KANAAN	LO7-0036
	ZAHIA SHEMOIN	LO7-7335
1076	MICHAEL G ABRAHAM	LO7-6134
1077	HENRY L JOHNSON	WA1-9412
1080	ALEX J ALLEN JR	□LO8-9906
1083	DON C REYNOLDS	□LO7-3051
1086	CLAUDE PARKER	LO7-1885
1093	NICK PAVLAKOS	LO7-1786
1105	ROSIE L JOHNSON	□LO7-9865
	SAMUEL JOHNSON	□LO7-9865
1109	WILLIAM FRANKLIN	□LO7-6546
1110	BLANCHE DANIEL	LO7-2113
1117	*SCHL DIV GRAY	LO7-0729
1124	*SUB WAY FOOD MARKT	LO7-4393
1400	*MIKES CORNER	LO7-8544
1406	FLFOSSIE WILLIS	□LO7-3243
1412	EDGAR JOHNSON JR	LO8-2884
1413	*FIELD SCHOOL	LO8-3576
1420	G WEDDINGTON JR	LO7-6283
1426	R HOCKENSMITH	□LO7-0563
1430	THOMAS A HARRIS	LO7-1025
1432	THOMAS A HARRIS	□LO8-0258
1438	TODD ASHFORD	□LO7-2177
1450	THELMA ONEIL	LO8-3243
1455	LOYD JONES	LO8-0460
	MARY M JOBST	□LO7-3250
	JAMES MCGINNIS	□LO8-2283
1456	CLARENCE WILLIAMS	□LO7-1067
1463	CLEO BROWN	□LO7-6752
1465	ODESSA L BIRKHEAD	□LO7-7256
1470	J B SKELTON	□LO7-8533
	JERRY E NASH	□LO8-0595
	BARCIA J WILSFORD	□LO7-1592
	JOSEPH MARROSO	□LO7-3187
	FRANK E SNOOGRASS	LO7-4161
	ELIZABETH OBRIEN	LO7-4769
	BETTY EDWARDS	LO7-5131
	ALBERT E LEE	LO7-6793
	GEORGE JARUGA	LO7-6918
1470	MARIE ORASCHIL	LO7-7697
1475	PETER PROVOST	LO7-2399
1482	E W ORENNON	□LO7-8397
	BERNICE BAUGHAN	LO7-9095
	M A FREDERICK	LO8-0349
	R LA BELLE	LO8-2528
1483	VIOLA REPINSKI	□LO7-4737
	HERBERT L OAILY	□LO8-2836
1492	JOHN HARTLIEB	LO7-1094
1494	WESLEY BIRCHELL	LO7-0627
1497	ANTONIO CONTE	LO7-3223
1500	HENRY E JONES	□LO7-8434
	ALBERT ADAMS	□LO7-9864
	NELLIE WILLIAMS	□LO7-2676
	WILLIE SANDERS	□LO7-7649
1505	MARGARET C BROWN	LO7-0638
1508	WALTER E SPECK	LO7-6318
1510	WILLIAM PRISK	LO7-4971
1513	JOHN CARMICHAEL	LO7-6879
1515	JOHN R ROEHM	□LO8-4093
1518	JACK A SPALDING	LO7-0204
1519	EDWARD VODAK	LO7-0836
1520	MARY HERNANDO	LO7-0078
1521	JOHN H JONES	LO8-1748
1704	LESTER L BOOTH	LO7-5452
1705	CHARLES C COGHLIN	□LO8-4352
1712	ARTHUR A BURKE	LO7-8464
1714	ANTHONY R GELIA	LO7-4318
1720	WILLIAM BOLDEN	LO8-2219
1721	BEVERLY J PORTER	LO7-0224
	ERMA WHITE	LO7-1343
1731	ARNOLD C LAMBERG	LO7-0093
1736	ARTHUR DECONINCK	LO7-0837
1738	WESLEY E GRISDALE	LO7-0223
1739	JOHN F COX	LO7-7936
	JOSEPHINE COX	LO7-7936
1744	JOHN P HENKE	LO8-1439
1750	ARTHUR ROBINSON	LO8-3734
1751	THOMAS J FLYNN	LO8-1658
1752	ADRIAN WILLIAMS	□LO8-1363
1756	V A BRODERICK	□LO7-6004
1757	NORMAN LAMBERG	LO7-1766
1758	BILL MAPLES	LO8-1897
1764	WM J KROL	LO8-0063

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E LAFAYETTE ST 1940

Mrs beer garden
6923 Speleers Cyriel
6924 Michigan Street Car Advertising (br)
6927-31 Indian Village Clnrs & Dyers Inc
6937 ΔShaieb Nagib gro
6941 ΔTroutman Bros filling sta
Helen av intersects
7006 Oliver Eliz
Robbins Cluey
7010 ΔBurgess Frank meats
7011 Rizzo Jos barber
7013 Hunt Clive R
7014 Krausman Anthony jwlr
7015 ΔHatcher Wm H gro
7018 Dandy Cleaners
nw cor StPaul's Ch of the Messiah
E Grand blvd intersects
7211 ΔNobles G Judson
7217 Sassman Chas
7219 Clifton Alice
7221 Sary Irene Mrs
7225 Jacott Lawrence W
7227 ΔMarshall Alva R pntr
7240 Berndt Fannie Mrs ©
ΔHayes Harold M
7241 Anderson Dillard
Langford Aaron
7244 Essary David F
Fish Milo
7245 ΔHolliday Harry
7248 Tibbits Carl O
7252 Preuett Calvin P
7259 Vacant
Field av intersects
7320 Vacant
7321 Ploche Jos
7322 ΔBlanten Ernest
ΔBlanton Harriet Mrs beauty shop
7323 Ploche Jos cigar mfr
7331 Zito Faro poultry
7332 Romaine Marion D
7333 VanOteghem Reme
Cockill Eliz Mrs
7335 Dang Henry lndry
7339 Brecht Emil R
7341 ΔBrecht Emil R gro

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E LAFAYETTE ST 1940

7345 Negohosian Negohos
© tailor
7347 Negohosian Negohos
©
7349 Blair Roscoe barber
7351 Rosenberg Anna P
Mrs
7353ΔRosenberg Anna P
Mrs dry gds
Sheridan av intersects
7400ΔVanDeWalle Valere
confr
7401ΔRenotte Arth gro
7403 Doyle Frank C
7404 VanDeWalle Valere
7405 Vacant
7409 Renotte Arth
7411 McLean John
7412 Village Hand Lndry
Doerr Herman
7416 LeComte Marie Mrs
7417 Green Wm
7419 Ferns Chas
7427 Boss Geo
7428 Rogier Jerome shoe
repr
Smith Wrightley
Burley Carl
7429 Essary Lon
Townsend av intersects
7605 Vacant
7606 VanCoillie Cora Belle
7608 VanCoillie Lawrence
Reitzi Jos
7609 Vacant
7610 Ouellette Jack
7628 Arakelian Aaron N
shoe repr
7629 Smith C F & Co
(br) gro
7630ΔSenova Jos beer store
7631 Arakelian Aaron N
7640 Ciszewski Helen
beauty shop
Baldwin av intersects
7719 McBride Irene Mrs
7720 Mein Clarence A
7723 Bellia Saml
7731 Stuckey Eug
7733ΔScott Wm V
7737ΔThompson Jas E phys
Seyburn av intersects
7830ΔMcDonald J E Co
drugs
7835 First Church of the
Brethren
7836ΔMcIntire Mary F
Mrs
McIntire Margt gift
shop
7840ΔGearing Anna Mrs
©
Poli Alex G
Shipherd av intersects

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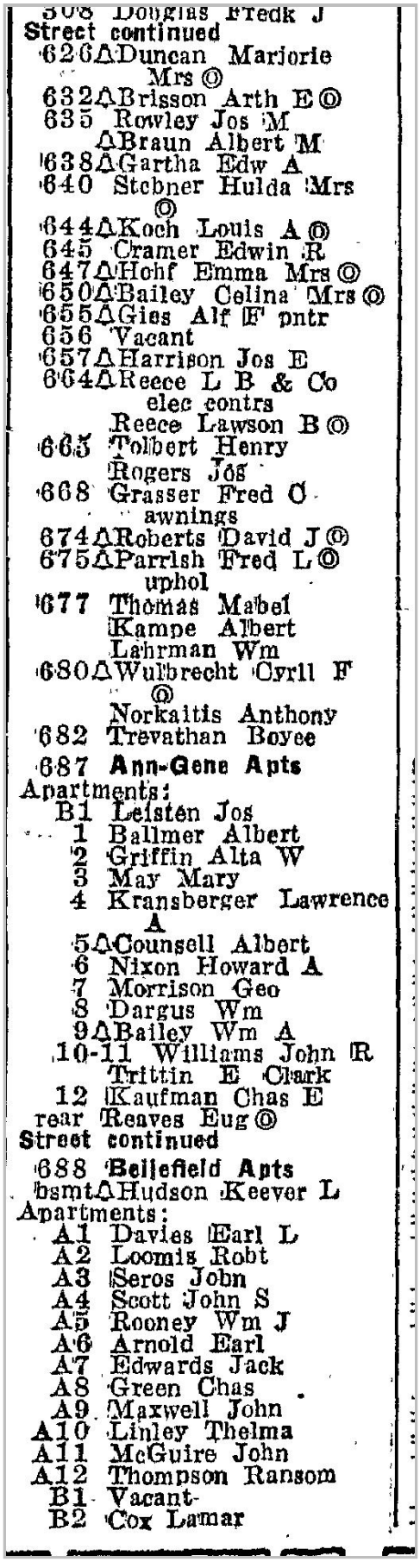

308 Douglas Fredk J
Street continued
626ΔDuncan Marjorie Mrs ⓞ
632ΔBrisson Arth E ⓞ
635 Rowley Jos M
ΔBraun Albert M
638ΔGartha Edw A
640 Stebner Hulda Mrs ⓞ
644ΔKoch Louis A ⓞ
645 Cramer Edwin R
647ΔHohf Emma Mrs ⓞ
650ΔBailey Celina Mrs ⓞ
655ΔGies Alf F pntr
656 Vacant
657ΔHarrison Jos E
664ΔReece L B & Co elec contrs
Reece Lawson B ⓞ
665 Tolbert Henry
Rogers Jos
668 Grasser Fred C awnings
674ΔRoberts David J ⓞ
675ΔParrish Fred L ⓞ uphol
677 Thomas Mabel
Kampe Albert
Lahrman Wm
680ΔWulbrecht Cyrll F ⓞ
Norkaitis Anthony
682 Trevathan Boyce
687 **Ann-Gene Apts**
Apartments:
B1 Leisten Jos
1 Ballmer Albert
2 Griffin Alta W
3 May Mary
4 Kransberger Lawrence A
5ΔCounsell Albert
6 Nixon Howard A
7 Morrison Geo
8 Dargus Wm
9ΔBailey Wm A
10-11 Williams John R
Trittin E Clark
12 Kaufman Chas E
rear Reaves Eug ⓞ
Street continued
688 **Bellefield Apts**
bsmtΔHudson Keever L
Apartments:
A1 Davies Earl L
A2 Loomis Robt
A3 Seros John
A4 Scott John S
A5 Rooney Wm J
A6 Arnold Earl
A7 Edwards Jack
A8 Green Chas
A9 Maxwell John
A10 Linley Thelma
A11 McGuire John
A12 Thompson Ransom
B1 Vacant
B2 Cox Lamar

Target Street	Cross Street	Source
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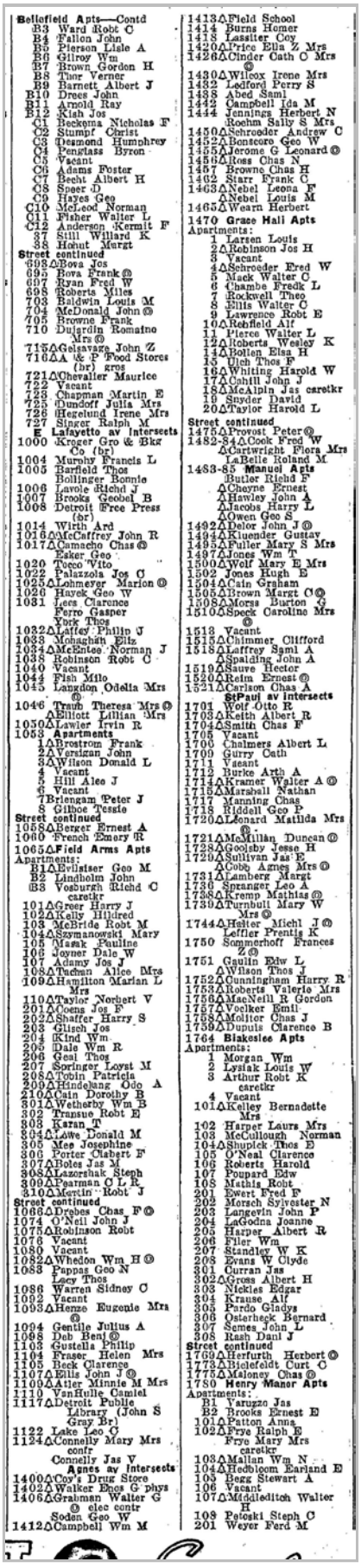

Bellefield Apts—Contd
B3 Ward Robt C
B4 Fallon John
B5 Pierson Lisle A
B6 Gilroy Wm
B7 Brown Gordon H
B8 Thor Verner
B9 Barnett Albert J
B10 Dress John
B11 Arnold Ray
B12 Kish Jos
C1 Beckema Nicholas F
C2 Stumpf Christ
C3 Desmond Humphrey
C4 Penglass Byron
C5 Vacant
C6 Adams Foster
C7 Becht Albert H
C8 Speer D
C9 Hayes Geo
C10 McLeod Norman
C11 Fisher Walter L
C12 Anderson Kermit F
37 Still Willard K
38 Hohnt Margt
Street continued
693 ΔBova Jos
695 Bova Frank @
697 Ryan Fred W
698 Roberts Miles
703 Baldwin Louis M
704 McDonald John @
705 Browne Frank
710 Dujardin Romaine Mrs @
715 ΔGelsavage John Z
716 ΔA & P Food Stores (br) gros
721 ΔChevalier Maurice
722 Vacant
723 Chapman Martin E
725 Dundoff Julia Mrs
726 Hegrelund Irene Mrs
727 Singer Ralph M
E Lafayette av intersects
1000 Kroger Gro & Bkr Co (br)
1004 Murphy Francis L
1005 Barfield Thos
Bollinger Bonnie
1006 Lavole Richd J
1007 Brooks Geobel B
1008 Detroit Free Press (br)
1014 Wirth Ard
1016 ΔMcCaffrey John R
1017 ΔCamacho Chas @
Esker Geo
1020 Tocco Vito
1022 Palazzola Jos C
1025 ΔLohmeyer Marion @
1026 Hayek Geo W
1031 Lees Clarence
Ferro Gasper
York Thos
1032 ΔLaffey Philip J
1033 Monaghan Eliz
1034 ΔMcEntee Norman J
1038 Robinson Robt C
1040 Vacant
1044 Fish Milo
1045 Langdon Odelia Mrs @
1046 Traub Theresa Mrs @
ΔElliott Lillian Mrs
1050 ΔLawler Irvin R
1053 Apartments
1 ΔBrostrom Frank
2 ΔVersigan John
3 ΔWilson Donald L
4 Vacant
5 Hill Alec J
6 Vacant
7 Brengam Peter J
8 Gilboe Tessie
Street continued
1058 ΔBerger Ernest A
1060 French Emery R
1065 ΔField Arms Apts
Apartments:
B1 ΔEvilsizer Geo M
B2 Lindholm John
B3 Vosburgh Richd C caretkr
101 ΔGreer Harry J
102 ΔKelly Hildred
103 McBride Robt M
104 ΔSzymanowski Mary
105 Masak Pauline
106 Joyner Dale W
107 Adamy Jos J
108 ΔTuchan Alice Mrs
109 ΔHamilton Marian L Mrs
110 ΔTaylor Norbert V
201 ΔCoens Jos F
202 ΔShaffer Harry S
203 Glisch Jos
204 Kind Wm
205 Dale Wm R
206 Geal Thos
207 Soringer Loyst M
208 ΔTobin Patricia
209 ΔHindelang Odo A
210 ΔCain Dorothy B
301 ΔWetherby Wm B
302 Transue Robt E
303 Karan T
304 ΔLowe Donald M
305 Mee Josephine
306 Porter Clabert F
307 ΔBoles Jas M
308 ΔLazorchak Steph
309 ΔPearman C L R
310 ΔMertin Robt J
Street continued
1066 ΔDrebes Chas F @
1074 O'Neil John J
1075 ΔRobinson Robt
1076 Vacant
1080 Vacant
1082 ΔWhedon Wm H @
1088 Pappas Geo N
Lacy Thos
1086 Warren Sidney C
1092 Vacant
1093 ΔHenze Eugenie Mrs @
1094 Gentile Julius A
1098 Deb Benj @
1103 Gustella Philip
1104 Fraser Helen Mrs
1105 Beck Clarence
1107 ΔEllis John J @
1109 ΔAtler Minnie M Mrs
1110 VanHulle Camiel
1117 ΔDetroit Public Library (John S Gray Br)
1122 Lake Leo C
1124 ΔConnelly Mary Mrs confr
Connelly Jas V
Agnes av intersects
1400 ΔCoy's Drug Store
1402 ΔWalker Enos G phys
1406 ΔGrabman Walter G @ elec contr
Soden Geo W
1412 ΔCampbell Wm M
1413 ΔField School
1414 Burns Homer
1415 Lassiter Coy
1420 ΔPrice Ella Z Mrs
1426 ΔCinder Cath C Mrs @
1430 ΔWilcox Irene Mrs
1432 Ledford Perry S
1438 Abed Saml
1442 Campbell Ida M
1444 Jennings Herbert N
Roehm Sally S Mrs
1450 ΔSchroeder Andrew C
1452 ΔBonscore Geo W
1455 ΔJerome G Leonard @
1456 ΔRoss Chas N
1457 Browne Chas H
1462 Starr Frank C
1463 ΔNebel Leona F
ΔNebel Louis M
1465 ΔWearn Herbert
1470 Grace Hall Apts
Apartments:
1 Larsen Louis
2 ΔRobinson Jos H
3 Vacant
4 ΔSchroeder Fred W
5 Mack Walter C
6 Chambe Fredk L
7 Rockwell Theo
8 Ellis Walter C
9 Lawrence Robt E
10 ΔRehfield Alf
11 Pierce Walter L
12 ΔRoberts Wesley K
14 ΔBollen Elsa H
15 Ulch Thos F
16 ΔWhiting Harold W
17 ΔCahill John J
18 ΔMcAlpin Jas caretkr
19 Snyder David
20 ΔTaylor Harold L
Street continued
1475 ΔProvost Peter @
1482-84 ΔCook Fred W
ΔCartwright Flora Mrs
LaBelle Roland M
1483-85 Manuel Apts
Butler Richd F
ΔCheyne Ernest
ΔHawley John A
ΔJacobs Harry L
ΔOwen Geo S
1492 ΔDelor John J @
1494 ΔKluender Gustav
1495 ΔFuller Mary S Mrs
1497 ΔJones Wm T
1500 ΔWolf Mary E Mrs
1502 Jones Hugh E
1504 ΔCain Graham
1505 ΔBrown Margt C @
1508 ΔMorss Burton G
1510 ΔSpeck Caroline Mrs @
1513 Vacant
1515 ΔChimmer Clifford
1518 ΔLaffrey Saml A
ΔSpalding John A
1519 ΔSauve Hector
1520 ΔReim Ernest @
1521 ΔCarlson Chas A
StPaul av intersects
1701 Wolf Otto R
1703 ΔKeith Albert R
1704 ΔSmith Chas F
1705 Vacant
1706 Chalmers Albert L
1709 Gurry Cath
1711 Vacant
1712 Burke Arth A
1714 ΔKramer Walter A @
1715 ΔMarshall Nathan
1717 Manning Chas
1718 Riddell Geo P
1720 ΔLonard Matilda Mrs @
1721 ΔMcMillan Duncan @
1728 ΔGoolsby Jesse H
1729 ΔSullivan Jas E
ΔCobb Agnes Mrs @
1731 ΔLamberg Margt
1736 Spranger Leo A
1738 ΔKremp Mathias @
1739 ΔTurnbull Mary W Mrs @
1744 ΔHelter Michl J @
Leffler Prentis K
1750 Sommerhoff Frances Z @
1751 Gaulin Edw L
ΔWilson Thos J
1752 ΔCunningham Harry R
1753 ΔRoberts Valerie Mrs
1756 ΔMacNeill R Gordon
1757 ΔVoelker Emil
1758 ΔMolitor Chas J
1759 ΔDupuis Clarence B
1764 Blakeslee Apts
Apartments:
1 Morgan Wm
2 Lysiak Louis W
3 Arthur Robt K caretkr
4 Vacant
101 ΔKelley Bernadette Mrs
102 Harper Laura Mrs
103 McCullough Norman
104 ΔShupick Thos E
105 O'Neal Clarence
106 Roberts Harold
107 Poupard Edw
108 Mathis Robt
201 Ewert Fred F
202 Morsch Sylvester N
203 Langevin John P
204 LaGodna Joanne
205 Harper Albert R
206 Filer Wm
207 Standley W K
208 Evans W Clyde
301 Curran Jas
302 ΔGross Albert H
303 Nickles Edgar
304 Krause Alf
305 Pardo Gladys
306 Osterheck Bernard
307 Semes John L
308 Rash Dani J
Street continued
1769 ΔHerfurth Herbert @
1773 ΔBiclefeldt Curt C
1775 ΔMaloney Chas @
1780 Henry Manor Apts
Apartments:
B1 Varuzzo Jas
B2 Brooks Ernest E
101 ΔPatton Anna
102 ΔFrye Ralph E
Frye Mary Mrs caretkr
103 ΔMallan Wm N
104 ΔHedbloom Earland E
105 Begg Stewart A
106 Vacant
107 ΔMiddlediteh Walter H
109 Petoski Steph C
201 Weyer Ferd M

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E LAFAYETTE ST 1935

gro
6663 Carroll Jack restr
Conoord av intersects
6800 Weyermiller & Mueller furn
6803 Snyder Claude H drugs
6807 McAninch Dale
6809 Rizzo Jos barber
6815 Mondshine Maurice lndry
6817 Negohosian Kachador tailor
6819 Vacant
6823 Bolus John
6827 Lee Chong lndry
6829 Vacant
6830 Huffmaster Aloysius Lafayette Beer Garden
6831 Macksoud Abr contr
6834 Schettyser Paul
6837 Badamo Jos restr
6841 Badamo Jos
6842 Hill Herbert
6844 Catanzaro & Arena gro and meats
6845 Markarian Sami confr
Canton av intersects
6901-11ΔJacobs F L Co auto parts mfrs
6910 Grav Marine Motor Co
6916 LaCroix Rosario
LaCroix Thos
6918 Winegarden Morley
6921 Speelers Marie L Mrs beer garden
Lafayette Homing Club
6922 Jackson Agnes Mrs
6923 Speelers Cyriel
6924 Lafayette Perfect Hand Laundry
Rosenberg Esther Mrs shoe repr
6927-31ΔIndian Village Clnrs & Dyers Inc
6937 Shaieb Nagib gro
6941 Troutman Bros filling sta
Holen av intersects
7006 Oliver Wm
7010 Shariffian David H shoe repr
7011 Iliuk Nick barber
7013 Danzak John
7014 Krausman Anthony P jwlr

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E LAFAYETTE ST 1935

7015 Smith C F Co (br) gros
7018 Gold Israel tailor
nw cor StPaul's Church of the Messiah
E Grand blvd intersects
7211 Nobles Judson G
7217 Enz Henry
7219 Ratcliffe Chas
7221 Vacant
7225 DeMeglio Frank
7240 Berndt Fannie Mrs
Haves Harold M
7241 Claevs Edmund
7244 Thurman Russell
7245 Dunn Cecil
Owens John A
7248 Tibbits Carl
7252 Prouett Calvin P
7259 Vacant
Field av intersects
7320 Larsen Emil
Lafayette Beauty Salon
7321 Plocho Jos
7322 ΔMcFadden Saml
ΔLafayette Fur Shop
7323 Ploche Jos cigar mfg
7331 Vacant
7332 Romaine Marion D radio service
7333 DeSong Malvena
VanOteghem Rena
7335 Dang Henry lndry
7339 Brecht Emil R
7341 Brecht Emil R gro
7345 Negohosian Negohos tailor
7347 Negohosian Negohos
7349 Ebbin Ervin barber
7351 Rosenberg Anna P Mrs
7353 Rosenberg Anna P Mrs dry gds
Sheridan av intersects
7400 VanDeWalle Valere confr
7401 Renotte Arth gro
7403 McLean John
7404 VanDeWalle Valere
7405 Vacant
7409 Lootens Emily Mrs
7411 Guy Herbert
7412 Vacant
7416 Penet Gustave C
Penet Bros tailor
7417 Vermeersch Victor
7419 Ferguson Jos
7427 Lawson Frank
7428 Rogier Jerome shoe repr
7429 Curran Wm A
Townsend av intersects
7605 Vacant

Target Street	Cross Street	Source
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FIELD ST 1935

2561 Wallace Frank H

FIELD AV — From 7259 E Jefferson av north to StThomas av

413 Vacant
415 ΔPullus Jas hat clnr
416 Vacant
417 E & G Lunch
420 ΔWhelden Frank H contr
421-25 Price Richd B retail beer
427 Vacant
430 ΔHayes Clyde B auto repr
436-38 ΔDcLoach Bessie L Mrs
441 Weisman Jacob clo clnr
442 Boddin Carl
Fletcher Otis B
443 Metaxas Geo restr
445 Field Hotel
Emmrick Walter J cigars
448 Frederick Geo H
451 Kelley Harland J barber
454 Watters Andrew D
Wilson Amos K
Tulley Albert
457 ΔIsabelle Beauty Shop
461 Carter Phoebe Mrs
462 O'Brien Geo W
Kane Wm
468 Borowski Henry
469 Bond Asa J
470 Hulett Irvin
471 Cartier Albert
477 ΔWalker Wm G
478 Shelton John
479 Reynolds Richd C
481 DeVaul Arth
482 Lassiter Bascom
483 Schueler Adolph
484 Wheeler Jesephine Mrs
490 Bauman Norman J gro
Wilson Tom meats
491 Vacant

Congress av intersects

602 Sang Chong Indry
603 Walker Jas
607 StAubin Leo F
608 Bozwiek John
614 ΔPrice Richd B
615 **Field-Congress Manor** (For other occupants see 7251 E Congress)

Apartments:
B4 Collins Ray E
B5 Dunn Alex S
6 Teivas Anna C Mrs
7 Ross Fred B
8 Holmes Donald E
9 Seybold Noble C
10 Langan Geo H
11 Ethfimeos Thinakis
12 Amore Jas
12a Rosehart G T
14 Thomas Russell L
15 Vacant
16 Holmes Jas
17 Cain Loretta Mrs
28 Burrill Harold

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FIELD ST 1935

Field-Congress Manor—Contd
29 Kelley J H
30 Wier Walter
31 Manchini Albert A
32 Rondlo Elton E
33 Smith Wm J
Street continued
620 Vacant
625 Field Manor
Apartments:
1 Price Maude Mrs
2 Birchard Fred S
3 Vacant
4 Vacant
5 Vacant
6 Vacant
101 Couplin E L
103 Heath Gardner P
103 Peterson Ralph
104 Gates Emil O
105 Vacant
106 Witthauer Lewis G
107ΔHaggerty Geo B
108 Bellner Frank X
201 Barron Frank
202 O'Kesson Anna M Mrs
203 Marynus Cass A
204 Wilhelm Jasper H
205 Wilson John Z
206ΔVincent Edgar
207 Stone Webster
208 Heddon Wm
301ΔWeir John H
302 Baranac Matilda
303 Hocking Rita A Mrs
304 Stach Fred jr
305 Gavey Alf J
306 Shealey Quincy A
307 Duart Byrl O
308 Stenger Steph
Street continued
626ΔDuncan Marjorie Mrs
rear Vacant
632ΔBrisson Arth E
635 Loranger Wm H
638ΔGartha Edw A
640 Stebner Hulda Mrs
644ΔKoch Louis A
645 Frato Nicholas V
647ΔStock Eliz Mrs
650ΔBailey Celina Mrs
655 Gies Alf F
656 Supp Jos M
657 Harrison Jos E
664 Reece L B & Co contrs
ΔReece Lawson B
665ΔBlaker Thad B
668 Grasser Fred O
674ΔRoberts David J
675ΔParrish Fred L upbol
677 Wessel Raymond
Foster Alice Mrs
Anglin John W
680ΔWulbrecht Cyril F
Saunders Fredk
682 Wallace Caleb
687 Ann-Gene Apts
Apartments:
1 Holland Walter D
2 Dunlap Henry A
3 Carbary Frank R
4 Dupuis Bella
5 Counselo Albert
6 Smart Edw
7 Lawlor Helen Mrs nurse
8 Watson Martha S Mrs
9 Riley Boyd M
10 Vicary Hamilton T
11 Cunningham John
12 McCoy Geo E
B1 Bacant
Street continued
rear Reaves Eug
688 Bellefield Apts
Apartments:
Brockway Russell M
Hudson K L
A1 Vacant
A2 Donahue John J
A3 Diller Ruby
A4 Vacant
A5 Gawvin Leo
A6 Fischer Walter F
A7 Vacant
A8 Hall John S
A9 Walker Lloyd L
A10 American Herbert O
A11 Benner Lettie
A12 Leclerc Albert A
B1 Adams Walter
B2 Mills Walter B
B3 Crane Wm
B4 Kreiger Victor
B5 Pierce H H
B6 Vacant
B7 McClellan Lee
B8 Pengler Wayne H
B9 Lukovlak Annette
B10 Vacant
B11 Bekema Nicholas
B12 Erickson Jas A
C1 Cummings Talbett
C2 Wilbur Julia
C3 Daniels Wm H
C4 Lehmann Lydia
C5 Coe W E
C6 Vacant
C7 Applegate Raymond A
C8 Vacant
C9 Davis W J
C10 Conner Clarence W
C11 Paulin Roland R
C12 Bryan Duane D
37 Jamieson Ann
38 Still Wm
Street continued
693 McCourtie Wm J
695 Bown Frank
697 Binder John
ΔCardigan Harry T
Warburton John
698 Alexy Emil O
703 Chronis Andrew
704 McDonald John
705 Browne Frank
710 Dujardin Gentil
715ΔLaffey Philip
716 Gt A & P Tea Co (br) gros
721 Kenny Wm A
722ΔKiefer Evelyn M Mrs
723 Vacant
725 Dundoff Julia Mrs
726ΔCraig Hallri
727ΔDeYoeaser Mary Mrs
E Lafayette av Intersects
1000 Kroger Grc & Baking Co (br) gro

FIELD AV—Contd
1004 McCormick John
1005 Barfield Thos
Goolsby Chas
Hoy Chas
Goolsby Jesse
Mulvenhill Martin
1006 Lavole Richd J
1007 Vacant
1014 Shingler Thos
1016 Kanaly Roy G
1017 Vacant
1020 Mazzella Saml
1022 Vacant
1025 Larned Nellie Mrs
Lohmeyer Maria C
1026 Vacant
1031 Shildbach Mary Mrs
Jacobs Louis F
Nolan Pauline M Mr
Humphroy D E
1032 Campbell Benj D
1033 Randall Mary Mrs
1034 McEntee Norman
1038 Green Fred L
Robinson Robt
1040 Vacant
1044 Williams Richd R
1045 Langdon Odelia Mrs
Sullivan Saml E
1046 Fera Julius J
Macey Earl J
1050 Capling Wesley J
1058 Greenfield Essie Mrs
Peterson Thos J
1055 Manuel Areal
Watson John
1058 Berger Edw A
1060 Ellsworth Burrell
1065 Field Arms Apts
Apartments
B1 Borst Irene
B2 Welsh David
B3 Vosburgh Richd C
101 Temple Howard
102 Gaulin Wm J
103 Ponzo Roy
104 Terrell Guy G
105 Miller Lowell E
106 Young Mary
107 Shotwell Fred C
108 Robb Geo
109 Medbury Seward W
110 Ball Frederic
201 Johann J M
202 Granger Gaylord G
203 Thayer O C
204 Kind Wm
205 Quslander Arth
206 Geal Thos
207 Potter Bradford L
208 Spang Chas
209 Baugher Edwin
210 Dillinger Arth
301 Wilkinson Jas R
302 Transue Robt
303 Lucyson Savera
304 Cullen J S
305 Winder Thos
306 Snyder Anna Mrs
307 Steivers Geo
308 Gawlowicz Gladys
309 Osgood Harold L
310 Schultz Clarence L
Street continued
1066ΔDrebes Chas F
1074 Nunnery Lovell
1075 Manske Geo E
1076 Marquardt Herman H
1080 Vacant
1082 Wheden Wm H dentist
Veri Patk
1083 DeBoos Frank A
1086 Zada Lewis
1092 Dennison Geo W
1093 Henze Eugenie Mrs
1094 O'Neill John J
1098 Dib Benj
1103 Williman Anton C naturopath
1104 Cameron Jas plmbr
1105 Bertram Maurice E
1107 Ellis John J
1109 Atler Minnie
1110 BanHulle Camiel
1117 Detroit Public Library (John S Gray br)
1122 Vacant
1124 Vacant
Agnes av Intersects
1400ΔCoy's Drug Store
1402ΔWalker Enos G phys
1406ΔGrabman Walter G elec contr
Lindsly Chas H
1412ΔBurns Geo C
1413 Field School
1414 Shertzer Sheldon
1418 Hicks Theron F
1420 Price Ella Z Mrs
1426 Cinder Cath C Mrs
1430 Wilcox Leonard
1432 Maher Chas
1438 Hunt Jesse
1444 Vacant
1450 Schroeder Andrew C
1452 Bonscore Geo
1455 Lockhart Fredk W
Simmons Wm B
1456 Wood Lizzie Mrs
1457 Jerome G Leonard
Smith Jas H
1462 Kraft Otto
1463 Nebel Irene
1465 Fletcher Walter E
1470 Grace Hall Apts
Apartments:
1 Fox Norman
2 Lawrence Chas W
3 Crane Byron
4 Placeway Wm
5 Kronsberger Lawrence
6 West Vivian
7 McIntosh Geo
8 Shields John A
9 Schafer Theo
10 Morgan Edw
11 Williams John R
12 Roberts Wesley K
13 Bollen Elsa H
15 Belanger Yvette
16 Hill Thos C
17 Shepard Arth M
18 McAlpin Jas
19 Moore Carl
20 Barnhart Chas
Street continued
1475 Provost Peter
1482-84 Apartments
1 Cook Fred W
2 Julien Frank D
3 Mitchell Arth J
4 LaBelle Roland
Street continued

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plays
Cautrell Valencia
6809 Gt A & P Tea Co (br) gros
6815 Varjabedin Saml
6817 Neghosian Kachador clnr
6819 Ryken Theo
VanGunsteren Jas
6823 Froney Wm E
6827 Lee Chong Indy
6829 Johnson John
6830 Vacant
6831 Macksoud Abr
6834 Schuttyser Paul
6837 Badamo Jos barber
6841 Badamo Jos
6842 Dugan Otho
LaJoice Oliver
6843 Vacant
6844 Catanzaro & Areno gros
6845 Calpach Saml
Canton av intersects
6901-11 Jacobs F L Co auto parts mfrs
6910 Gray Marine Motor Co Inc
6916 Darco Louis
6918 Dugan Weldon J exp
6920 DeSchryver John
6921 Vacant
6922 Humbert Lester T
6924 Rosenberg Wm shoe repr
Doerr Herman Indy
6925 Hankin Max Indy
6929-31 Indian Village Cleaners
6935 Shayeb Nagib
6937 Shayeb Nagib gro
Helen av intersects
7006 Burch Hugh E
7010 Sharefian David shoe repr
7011 Iliuk Nicholas barber
7013 Hohner Matilda Mrs
7014 Krausman Anthony P jwlr
7015 Smith C F Co gros
7018 Gold Israel tailor
nw cor StPaul's Church of the Messiah
E Grand blvd intersects
7211 Nobles G Jud
7217 Vacant
7219 Varel Nicholas A
7221 Howell Sanford F
7225 Heaney Sadie E
7227 Kayne Fred A
7240 Berndt Fannie Mrs
Hayes Harold M

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7241 Diegle Eleanore Mrs
7244 McQueen David
7245 irvine Jean Mrs
7248 Johnson Fannie Mrs
7251 Toms Garage
7252 Allen Geo F
7259 Barfield Thos
Field av intersects
7320 Castle Gertrude
7321 Wakeford Arth G
7322 Vacant
7323 Vacant
7331 Renotte Arth gro
7332 Romain Abbie Mrs
7333 Ferguson Jos
Phillips Wm M
7335 Yee Chas T lndy
7339 Brecht Emil R
7341 Brecht Emil R meats
7345 Negohosian & Son
clnrs
7347 Negohosian Kachador
Negohosian Negohos
7349 Kelley Harlan barber
7351 Rosenberg Nathan
bldg contr
7353 Rosenberg Anna P
Mrs dry gds
Sheridan av intersects
7400 VanDeWalle Valere
confr
7401 Voight Harry L
drugs
7403 Dhesler Rene
7404 VanDeWalle Valere
7405 Rogior Jerome shoe
repr

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FIELD AV—From 7259 Jefferson av north to St Thomas av

411 Porcas Saml shoe repr
413 Pullus Jas shoe shiner
415-17 Rose Inn Restaurant
420 Siegel Frank Indry
423-25 Thimakis Efthimos restr
428-32 Riverview Garage
436 Falkner Fred
Falkner Wilfred
438 Walters Robt
441-43 Campbell Verner restr
442 Boddin Chas O H
Briley J C
Holden Robt
445 Field Hotel
448 Pitters Geo
Westlake Glenn
451 Isabelle Barber & Beauty Shoppe
454 Watters Andrew D
461 Anderson Edw M
Stewart Jas I parking lot
462 O'Brien Geo
Lanthler Chas H
Montgomery Robt E
Moore Paul
468 Borowski Henry G
469 Vacant
470 Wright Allen
471 Vacant
477 Butler Peter J
478 Wolf Otto
479 Reynolds Richd O
481 Rose Robt I
482 Stahl Henry
483 Schueler Adolph
484 Sorgman Ignatz
490 Boggs Seybert
Midkiff Walter
Barrs Luna
491 Sang Chang Indry
Smith Guy
Greenfield O G
E Congress Interseots
602 Schueler Herman
603 Clifford Willis real est
Lakus Geo
607 McGowan Thos
608 Bozwick John
614 Price Richd B
Shell M C

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615 **Field Congress Manor** Apartments:
B4 Vacant
B5 Vacant
5 Vacant
6 Vacant
7 Vacant
8 Juckett Geo
9 Vacant
10 Vacant
11 Chauvin Lawrence
12 Stoner Arth
13 Angus Wyman
14 Vacant
15 Koonts Lester G
16 Vacant
17 Strong Ethel J
18 Vacant
27 Vander Casseyn Alice Mrs
28 Roe Byron
29 Roe Hiram A
30 Vermeulen Reuben W
31 Vacant
32 Vacant
33 Vacant
(For balance of apartments see 7251 E Congress)
Street continued
620 Wilson John J
625 **Field Manor** Apartments:
1 Gumler Albert M
2 Birchard Fred
3 Vacant
4 Vacant
5 Keches Martin
7 Vacant
11 Vacant
12 Vacant
A101 Olsmith Mary L
102 Vacant
103 Michels Edna Mrs
104 Heady David E
105 Vacant
106 Wilson Hulda M
107 Vacant
108 Loines Wm
B201 Halkides Zachary
202 Kissick Wm L
203 Marynus Cass A
204 Vacant
205 Vacant
206 Smith Keith
207 Campbell Jas
208 McKillon Altha
C301 Anderson Frank E
302 Baranac Matilda
303 Vacant
304 Vacant
305 Vacant
306 Ayers Ivan
307 Reakes Geo G
308 Cassidy Phyllis
Street continued
626 Duncan Marjorie Mrs
632 Brisson Arth E V
635 Loranger Wm H
Doak Jos
638 Gartha Edw
640 Stebner Hulda Mrs
644 Kooh Louis A
645 Vacant
647 Fox Jas A
650 Bailey Celina Mrs
Bailey Louis G
655 Gies Alf pntr and dec
Smith Marlo Mrs
656 Baumgartner Emil
657 Snow Edw
664 Reece Lawson B & Co elec contr
665 Blaker Thad B
668 Grasser Fred O
674 Roberts David J
675 Parrish Fredk L
677 Langhoff Benj J
680 Wulbrecht Cyril
682 Burrell Ellsworth
687 **Ann-Gene Apts** Apartments:
bsmt Reaves Eug
1 Burt Wm
2 Bennett Arth J
3 Vacant
4 Vacant
5 Vacant
6 Vacant
7 Newman Jos
8 Vacant
9 Vacant
10 Vacant
11 Vacant
12 Vacant
Street continued
688 **Bellefield Apts** Apartments:
bsmt Meier Lawrence
Trollinger Wm
A1 McHenry R
A2 Donahue John J
A3 Vacant
A4 Vacant
A5 Johnson R A
A6 Vacant
A7 Vacant
A8 Vacant
A9 Martin L B
A10 Wells A L
A11 Vacant
A12 Vacant
B1 Vacant
B2 Vacant
B3 Vacant
B4 Vacant
B5 Pooch Herbert J
B6 Vacant
B7 Vacant
B8 Lindsay Louis
B9 Reading Geo W
B10 Silverman Leon A
B11 Garvie J E
B12 Hall John R
C1 Vacant
C2 Vacant
C3 Petrin Fredk
C4 Lifka Chas G
C5 Vacant
C6 Tanner Albert
C7 Pauly A F
C8 Vacant
C9 Vacant
C10 Vacant
C11 Everson Danl S
C12 Baker E F
Street continued
693 Gibson Chas W
695 McCourtie Wm J
697 Delsigmore Tony
Webb Henry
698 Pearce Henry
703 Boyd Maurice
rear Art Ernest
704 McDonald John
705 Brown Frank G
Head Wm
710 Dejardin Jentil
715 Allen Edith Mrs
716 Great Atlantic & Pacific Tea Co
721 Poncey John J
722 McFadden Saml
723 Vacant
725 Ledrard Cyril
726 Craig Haillere
727 DeVoeslaer Mary Mrs
Lafayette av intersects
1009 Kroger Geo & Bkr Co
1004 Umlah Jos
1005 Barfield Thos
Mathis Robt
1006 Cain Geo
Phillips Geo
1007 Holland Roland
1008 Creed J B plmbr
1014 Craig Mary Mrs
1016 Wilson Brady
Wilson Amos
1017 Camacho Chas P
Atos Nick
Kornefiel Aug
Potinakis Nicholas
1020 Muzzella Saml
1022 Cappa Cesaro
1025 Lohmeyer Paul
Larned Nellie Mrs
1026 Read Thos B
1031 Brown Ella M Mrs
1031 Hoeney Sadie E Mrs
1032 Fairlon Herbert W
1033 Randall Mary Mrs
Cardwell Ernest
Halston Everett
1034 Walker Wm
1038 Morris Kelley C
Pauley Geo
1040 Vacant
1044 Bonus Matt
1045 Langdon Odella Mrs
Stanley Harlan W
1046 Sadler Frank
1050 McCrae Geo A
1053 Graham Elmer H
LaBelle Roland
1057 Peraino Michs
1058 Berger Edw A
1060 Vacant
1065 **Field Arms Apts** Apartments:
1 Lindsly C Herbert
2 Steeves Albert
101 Moran Chas Y
102 Norton H Patk
103 Haugon Marian
104 O'Connor Arth
Taylor Russell
105 Michaud M L
106 Vacant
107 Keyes John J
108 Vacant
109 McWilliam S P L
203 Jaffe Jacob Dr
204 Jenkins Walter L
205 Ruark Wilbur
206 Vacant
207 Mulligan Harold
208 Vacant
209 Vacant
210 StArnold Edw T
301 McCarthy S J
302 Vacant
303 Bruder Ivan C
304 Ackerly Edw
305 Burghardt M J
306 Wood Thos E jr
307 Vacant
308 Jenkins Walter L
309 Erith Barbara M
310 Hines Jas K
Street continued
1066 Drebes Chas F
1074 Groenbeck Albert A
1075 Breese David V
McPhaison Anna I
1076 Eaton Herbert E
1080 Vacant
1082 Veri Patk
Whedon Wm
1083 Fischer Otto O phys
1086 Booker Abr
1092 O'Neil John J
1093 Henze Wm E
1094 Lewis Eliz Mrs
1098 Dib Benj
1103 Kirkman Jas A
1104 Harris Saml
Love David
1105 DiLanza Louis
1107 Ellis John J
1109 Wirth Herman A
1110 Pearce Geo E
1117 Det Pub Library (br)
1122 Babus Jos clnr
1124 Hanan Richd contr
Agnes av intersects
1400 Cay's Drug Store
Houston Hilman H
1402 Walker Enos G phys
1406 Turner John T
Grabman Walter
1412 Burns Geo C
1413 Field School
1414 Pierce L Danl
1418 Price Ray D
1420 Price Ella Z Mrs
1426 Cinder Cath C Mrs
1430 Wilcox Leonard
1432 Neal Lloyd K
1438 Smith Donald W
Pocht Milton W
1444 Seidler Benj F
1450 Schroeder Andrew C
1452 Williman Anton C
Pfannchuck Kath nurse
1455 Schegel John J
Wright Wm R
1456 Wood Lizzie Mrs
1457 Hillmer John B contr
Anderson Lewis
1462 Shanks Harry
Nesserlral Chas
McDonald W J
1468 Nebel Irene
1465 Waltz Fredk U
1470 **Grace Hall Apts** Apartments:
1 Kraft Otto
2 Gilbert Allison
3 Ellis Harold
4 Gould Lois M Mrs
5 Schmiedel John K
6 Ciatta J H
7 Lewis Ray
8 Sheridan Chester C
9 Hendrick Hollis L
10 McLean C F
11 Vacant
12 Dearman Olga Mrs
14 Bollen Eliz Mrs
15 Erickson Ralph W
16 Daugherty Hillard
17 Hart Milo J
18 Vacant
19 Sherry Genevieve
20 Vacant
Street continued
1475 Provost Peter
Harring Albert
1482 Julien Frank D
Dudley Howard D
1483-85 **Manuel Apts The** Zechman Jos A
Elliott Edgar
Harris Morris
1484 McCrea Geo A
Fletcher Beatrice Mrs
1492 Dolor John
1494 Stahlberg John A
1495 Fuller Mary S Mrs
Crosley Ellen nnrse
1497 Jones Wm T
1500 Wolf Mary E Mrs
1502 Tatroe Verne L
1504 Smith M Lillian
1506 Brown Margt C
1508 Vacant
1510 Speck Caroline Mrs
1513 Leuffgen Hubert
Dell Grant
1515 Antaya Sadie J
1518 Laffrey Saml E
1519 Wilson Thos J
1520 Reim Ernest O
1521 Provost Harry StPaul av intersects
1701 Vacant
1703 Nalbandian Van
1704 Kramer Richd
1705 Vacant
1706 Kramer Walter A
1709 Armstrong Chas A

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7006 Kennedy Jos W
Cluff Albert V
7010 Shareflan David shoe repr
7011 Pavlak Walter barber
7013 DeConinck Arth
7014 Fox Geo E
7015 Smith C F Co gros rear Vacant
7018 Gold Israel tailor nw cor St Paul's Church of the Messiah

E Grand Blvd

7211 Nobles Geo J
7215 McMahon Wm C
7219 Varel Nicholas A
7221 Sands Chas A
7225 Porter Jessie Mrs
7227 Kayne Fred A
7240 Berndt Fannie Mrs
7241 Daubert Albert
Diegle Elinore H Mrs
7244 McQueen David
7245 Collins Peter
Hattery Geneva A Mrs
7248 Johnson Fannie Mrs
7252 Knight Clinton W

Field av

7320 Ferguson Wm M
7321 Banks Edw
7322 Flen Fred
7323 Gt A & P Tea Co
7331 Vandenvriech Victor gro
7332 Vacant
7333 Ferguson Jos
7335 Vacant
7339 Brecht Emil R
7341 Brecht Emil R meats
7345 Negohosian & Son clnrs
7347 Negohosian Kachador
7349 Schneider Arth barber
7351 Henton Oliver
Diegel Leroy H
7353 Diegel Leroy H dry gds
7355 Lum Thom lndry

Sheridan av

7400 VanHowe Geo soft drinks
7401 Huhn's Pharmacy
7403 VanBaak Grada Mrs
7404 VanHove Geo
7405 Rogier Jerome shoe repr
7409 Lootens Emlly Mrs
7411 Holmes Wm
7412 VanDeWalle Valere confr
7416 Penet Bros tailors
Penet Gustav C
7417 Murray Wm
7419 VanBaak H Anthony
7427 Deroo Levin
7428 Herschelman Geo L meats
Pusha Jos
7429 Dhaeslaer Gust

Townsend av

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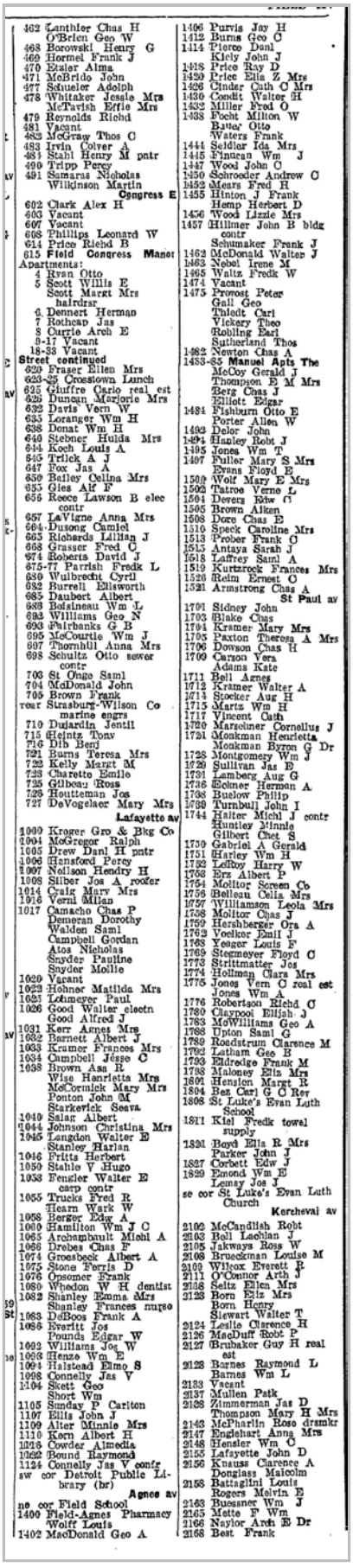
FIELD ST 1926



462 Lanthier Chas H
O'Brien Geo W
468 Borowski Henry G
469 Hormel Frank J
470 Etzler Alma
471 McBride John
477 Schueler Adolph
478 Whitaker Jessie Mrs
McTavish Effie Mrs
479 Reynolds Richd
481 Vacant
483 McGraw Thos C
483 Irvin Colver A
491 Stahl Henry M pntr
490 Tripp Percy
491 Samaras Nicholas
Wilkinson Martin
Congress E
602 Clark Alex H
603 Vacant
607 Vacant
608 Phillips Leonard W
614 Price Richd B
615 **Field Congress Manor** Apartments:
4 Ryan Otto
5 Scott Willis E
Scott Margt Mrs hairdrsr
6 Dennert Herman
7 Rotheap Jas
8 Currie Arch E
9-17 Vacant
18-33 Vacant
Street continued
620 Fraser Ellen Mrs
623-25 Crosstown Lunch
625 Giuffre Carlo real est
629 Duncan Marjorie Mrs
632 Davis Vern W
635 Loranger Wm H
638 Donat Wm H
640 Stebner Hulda Mrs
644 Koch Louis A
645 Trilck A J
647 Fox Jas A
650 Bailey Celina Mrs
655 Gles Alf F
656 Reece Lawson B elec contr
657 LaVigne Anna Mrs
664 Dusong Camiet
665 Richards Lillian J
668 Grasser Fred C
674 Roberts David J
675-77 Parrish Fredk L
680 Wulbrecht Cyril
682 Burrell Ellsworth
685 Daubert Albert
689 Boisineau Wm L
693 Williams Geo N
693 Fairbanks G B
695 McCourtie Wm J
697 Thornhill Anna Mrs
698 Schultz Otto sewer contr
703 St Onge Saml
704 McDonald John
705 Brown Frank
rear Strasburg-Wilson Co marine engrs
710 Dujardin Jentil
715 Heintz Tony
716 Dib Benj
721 Burns Teresa Mrs
723 Kelly Margt M
733 Charette Emile
735 Gilbeau Ross
726 Houtteman Jos
727 DeVogelaer Mary Mrs
Lafayette av
1000 Kroger Gro & Bkg Co
1004 McGregor Ralph
1005 Drew Danl H pntr
1006 Hansford Percy
1007 Nollson Hendry H
1008 Silber Jos A roofer
1014 Craig Mary Mrs
1016 Verni Milan
1017 Camacho Chas P
Demeran Dorothy
Walden Saml
Campbell Gordan
Atos Nicholas
Snyder Pauline
Snyder Mollie
1020 Vacant
1023 Hohner Matilda Mrs
1025 Lohmeyer Paul
1026 Good Walter electn
Good Alfred J
1031 Kerr Agnes Mrs
1032 Barnett Albert J
1033 Kramer Frances Mrs
1034 Campbell Jesse C
1038 Brown Asa R
Wise Henrietta Mrs
McCormick Mary Mrs
Ponton John M
Starkevick Seava
1040 Salar Albert
1044 Johnson Christina Mrs
1045 Langdon Walter E
Stanley Harlan
1046 Fritts Herbert
1050 Stahle V Hugo
1053 Fenzler Walter E carp contr
1055 Trucks Fred R
Hearn Wark W
1058 Berger Edw A
1060 Hamilton Wm J C
1065 Archambault Michl A
1066 Drobes Chas F
1074 Groesbeck Albert A
1075 Stone Ferris D
1076 Opsomer Frank
1080 Whedon W H dentist
1082 Shanley Emma Mrs
Shanley Frances nurse
1083 DeBoos Frank A
1086 Everitt Jos
Pounds Edgar W
1092 Williams Jos W
1093 Henze Wm E
1094 Halstead Elmo S
1098 Connelly Jas V
1104 Skett Geo
Short Wm
1105 Sunday P Carlton
1107 Ellis John J
1109 Alter Minnie Mrs
1110 Kern Albert H
1118 Cowder Almedia
1122 Bound Raymond
1124 Connelly Jas V confr
sw cor Detroit Public Library (br)
Agnes av
ne cor Field School
1400 Field-Agnes Pharmacy
Wolff Louis
1402 MacDonald Geo A
1406 Purvis Jay H
1412 Burns Geo C
1414 Pierce Danl
Kiely John J
1418 Price Ray D
1420 Price Ella Z Mrs
1426 Cinder Guth C Mrs
1430 Condit Walter H
1432 Miller Fred O
1438 Focht Milton W
Bauer Otto
Waters Frank
1444 Seidler Ida Mrs
1445 Fintean Wm J
1447 Wood John C
1450 Schroeder Andrew C
1452 Mears Fred H
1455 Hinton J Frank
Hemp Herbert D
1456 Wood Lizzie Mrs
1457 Hillmer John B bldg contr
Schumaker Frank J
1462 McDonald Walter J
1463 Nebel Irene M
1465 Waltz Fredk W
1474 Vacant
1475 Provost Peter
Gall Geo
Thiedt Carl
Vickery Theo
Robling Earl
Sutherland Thos
1482 Newton Chas A
1483-85 **Manuel Apts The**
McCoy Gerald J
Thompson E M Mrs
Berg Chas J
Elliott Edgar
1484 Fishburn Otto E
Porter Allen W
1492 Delor John
1494 Hanley Robt J
1495 Jones Wm T
1497 Fuller Mary S Mrs
Evans Floyd E
1500 Wolf Mary E Mrs
1502 Tatroe Verne L
1504 Devers Edw C
1505 Brown Aiken
1508 Dore Chas E
1510 Speck Caroline Mrs
1513 Prober Frank C
1515 Antaya Sarah J
1518 Laffrey Saml A
1519 Kurtzrock Frances Mrs
1526 Reim Ernest C
1521 Armstrong Chas A
St Paul av
1701 Sidney John
1703 Blake Chas
1704 Kramer Mary Mrs
1705 Paxton Theresa A Mrs
1706 Dowson Chas H
1709 Carson Vera
Adams Kate
1711 Bell Arneg
1712 Kramer Walter A
1714 Stoeker Aug H
1715 Martz Wm H
1717 Vincent Cath
1720 Marcoliner Cornellus J
1721 Monkman Henrietta
Monkman Byron G Dr
1728 Montgomery Wm J
1729 Sullivan Jas E
1731 Lamberg Aug G
1736 Ebener Herman A
1738 Buelow Philip
1739 Turnbull John I
1744 Halter Michl J contr
Huntley Minnie
Gilbert Chet S
1750 Gabriel A Gerald
1751 Harley Wm H
1752 LeRoy Harry W
1753 Erz Albert P
1754 Molitor Screen Co
1756 Belleau Celia Mrs
1757 Williamson Leola Mrs
1758 Molitor Chas J
1759 Hershberger Ora A
1762 Voelker Emil J
1763 Yeager Louis F
1769 Stegmeyer Floyd C
1773 Strittmatter Jos
1774 Hollman Clara Mrs
1775 Jones Vern C real est
Jones Wm A
1776 Robertson Richd C
1780 Claypool Elijah J
1783 McWilliams Geo A
1788 Upton Saml G
1789 Roedstrum Clarence M
1792 Latham Geo E
1793 Eldredge Frank M
1798 Maloney Eliz Mrs
1801 Hension Margt R
1804 Bez Carl G C Rev
1808 St Luke's Evan Luth School
1811 Kiel Fredk towel supply
1820 Boyd Ella R Mrs
Parker John J
1827 Corbett Edw J
1829 Elmond Wm E
Lemay Jos J
se cor St Luke's Evan Luth Church
Kercheval av
2102 McCandlish Robt
2103 Bell Lachlan J
2105 Jakways Rose W
2108 Brueckman Louise M
2109 Wilcox Everett R
2111 O'Connor Arth J
2118 Seitz Ellen Mrs
2123 Born Eliz Mrs
Born Henry
Stewart Walter T
2124 Leslie Clarence H
2126 MacDuff Robt P
2127 Brubaker Guy H real est
2128 Barnes Raymond L
Barnes Wm L
2133 Vacant
2137 Mullen Patk
2138 Zimmerman Jas D
Thompson Mary H Mrs
2143 McPharlin Rose drsmkr
2147 Englehart Anna Mrs
2148 Hensler Wm C
2155 Lafayette John D
2156 Knauss Clarence A
Donglass Malcolm
2158 Battaglini Louis
Rogers Melvin E
2163 Buessner Wm J
2165 Mette P Wm
2166 Naylor Arch E Dr
2168 Best Frank

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Canton av

6910—1090 Peninsular Milled Screw Co
6911—1091 Massnick Mfg Co, mach prods
6916—1098 DeSchryver E Mrs
6918—1098 Steingraber Louis
6921—1097 Benoit & Burssens, soft drinks
Benoit Jordan C
6922—1100 DeSchryver John L
Callahan Clarence E
6924—1100 Indian Village Tailors
Cleaners & Dyers The
6931—1101 Barkume & Stark Co, coal
6937—1107 Barbara & Barbara, gros
6941—1111 Tyler Jas J
6945—1111 Kremhelmer A, shoe renr

Helen av

7011—1125 Cooney E T, barber
7013—1127 DeConinck Camiel
7015—1127 Smith C F Co, gros nw cor St Paul's Church of the Messiah

E Gd hivd

7211—1163 McBroom Julia Mrs
7215—1165 Abbott Herschel V
7219—1167 Varel Nicholas A
7221—1169 Fairbanks Geo B
7225—1171 Porter Jessie Mrs
7227—1173 Kayne Fred A
7229—1178 Berndt Fannie Mrs
7241—1177 Diegle E H Mrs
7244—1180 Barel Walter
7245—1179 Wylie Albert C
7248—1184 Fleming Richd M
7252—1186 Knight Clinton W

Field av

7320—1212 Ferguson Wm M
7322—1214 Espey Henry F
7323—1215 Brecht Emil R
7331—1221 Weyrich John
7332—1220 McKenzie Malcolm
7332—1223 Hesotian John
7335—1223 Hesotian John
7339—1225 Oliphant Walter L
7341—1225 Kroger Gro & Bkg Co
7347—1227 Toepfer Adelbert
7349—1227½ Adams J B, barber
7351—1229 McClellan Lawrence
7353—1229 McClellan Lawrence, dry gds

Sheridan av

7400—1238 VanHove Henry A
7401—1237 Platte C C, drugs
7403—1237½ VonBaak G H Mrs
7405—1239 Rogier J, shoemkr
7409—1241 Lootens Desire
7411—1243 Holmes Wm
7412—1244 Zorn Henry
7416—1246 Penet Bros, tailors
7417—1245 Tyrrell Lester
7419—1247 Behn Gustave A
7427—1249 Stork Herman H
7428—1250 Herschelman Geo L
7429—1249 Newhouse Luther

Townsend av

7608—1274 Burrows Jno W
7609—1273 Schwab Elmer H
7610—1274½ Durocher Otto O
7628—1278 Surtman Robt C

Target Street	Cross Street	Source
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FIELD ST 1921

Congress e

602—154 Dalziel Margt
603—153 Clifford Willis A
607—155 Greening Gus S
608—158 Coon Eldon R
614—160 Price Richd B
620—164 Fraser Geo
625—165 Vacant
626—166 Duncan Marjorie Mrs
632—168 Page John
635—169 Loranger Wm H
638—170 Donat Wm H
640—172 Danahey Jas T
644—174 Koch Louis A
645—173 McGee Chas E
647—175 Vacant
650—178 Bailey Edw A
655—179 Cloutier Willfrid A
656—180 Recce Lawson W
657—179 Smith Jas J
664—184 Hauser Harry N
665—181 Richards Mabel
668—188 Frauce Harry J
674—190 Roberts David
675—189 Podzuweit Gustave
680—192 DeLaere Hilaire A
682—194 Burrell Ellsworth
685—195 Kirsch Aug
Jaikins Jas W
686—196 Bradley Jos W
692—200 Cameron Henry T
695—197 Bek Albert R
Picard Jos
Bartlett Wm R
697—199 Dawson Chas H
698—202 Dettloff Otto J
703—201 St Onge Saml
704—204 McDonald John
705—203 Gillan Alice Mrs
710—208 Dujardin Bentil
715—207 White Philip
716—212 Lemonde Peter W
Rohrkemper Wm C
721—213 Phillips Geo
722—214 Houtteman Jos
726—216 Robinson Jos C

Lafayette av

1000—222 Craig Wilson hdwe
1004—224 Davis Arch J
1005—221 Drew Dani H exp
1006—224 West Edson S
Keay Wm G
1007—223 Grigg Edna A Mrs
Patten Ethel M Mrs
1008—226 Silber Jos A, tinner
1014—228 Craig Wilson
1016—230 Marriott Homer M
1017—227 Jorgenson Carl J
1020—232 Lash Earl E
MacDonald M E Mrs
1025—233 Lohmeyer Paul
1026—236 Good Margt Mrs
1031—237 Marvin Ben W
1032—238 McCowen Earl A
1033—239 Kramer Andrew C
1034—240 Horn Albert L
1038—242 Buhlman Earl J
Smallridge Nettie
Duboy Louis H
Brown Asa R
1040—242½ Gregory Jas C
1044—244 Bischoff Gottlieb
1045—243 Langeon Walter E
1046—246 Bischoff Elmer
1050—248 Stahle V Hugo

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FIELD ST 1921

1053—247 Gilmore Chas N
Fowler Allan S
1055—249 Becker Sophia Mrs
Dixon Wm
1058—252 Berger Edw A
1060—254 Hamilton Wm J C
1065—255 Archambault Michl A
1066—256 Drebes Laura Mrs
1074—258 Groesbeck Albert A
1075—257 Krausmann Philip M
1076—258½ Sutton John
1080—260 Whedon W H dentist
1082—262 Bischoff Frank J
1083—263 Winckler Walter E
1086—264 Pace Wm A
1092—268 Mues Danl L
1093—269 Henze Wm E
1098—272 Hines Jas K
1103—271 Blodgett Herbert C
1104—274 Cameron Jas jr
1105—273 MacNeill Newton L
1107—275 Lentz John N
1109—277 Joyce Wesley W
1110—276 Haggerty Geo B
1116—282 Wood Anna A Mrs
1122—284 Vivian Percy G
1124—284 Feltner Jos J confr
s w cor Detroit Public Library (br)

Agnes av

n e cor Field School
1400—292 McDonald G A drugs
1402—294 McDonald Geo A
1406—296 Purvis Jay H
1412—298 Burns Geo C
1414—300 Gautbier Alf
1418—302 Price Ray D
1420—302 Price Ella Z Mrs
1426—304 Cinder Cath C Mrs
1430—306 Wilcox Leonard
1432—308 Stiner Walter H
1438—310 Cobb Margt E Mrs
1444—314 Seidler Benj F
1445—311 Finucan Wm J
1447—313 Vacant
1450—316 Schroeder Andrew
1452—318 Mears Fred H
1455—315 Hinton J Frank
Baskerville Dean E
1456—320 Wood Lizzie Mrs
1457—317 Kiefer H G
Taylor N I
1462—322 Palmer Wallace G.
1463—321 Nebel Edw J
1465—323 Waltz Fredk U
1474—328 Girardin Thos H
1475—327 Pearch Oliver E
1482—334 Smith Pete
Moors Everett W.
1483—331 Lewis Harry M
Monaghan Eda G Mrs
McCoy Gerald J
1484—336 Bayne Harry M
Zaetsch Marie
1485—333 Dorr Jno G, pntr
Comerford Thos F
Williams Harriet M
1492—338 Delor John
1491—340 Hart Wm Hogarth
1495—337 Vacant
1497—339 Fuller S Arth
1500—342 Bell Chas O
Wolf Edw H
1504—344 Slusser Dale C
1505—343 Brown Aitken
1508—346 MacAllister Jas W
1510—348 Speck Caroline E Mrs
1510—350 Nale D Chas
1513—345 Weyhing Margt Mrs
1515—347 Schulte Mathilde
1519—349 Barnett Ward H
1520—352 Reim Ernest C
1521—351 Kempt Chas W

St Paul av

1701—359 Foersterling Herman R
1703—361 Otis Henry
1704—360 Kramer Mary Mrs
1705—361½ Anderson Bradley W
Paxton Theresa A Mrs
1706—362 Baker Cheselton E
1709—363 Carson Nellie M Mrs
1711—363½ Doyle Margt Mrs
1712—364 Kramer Walter A
1714—366 Burmester M A Mrs
1715—365 Foersterling R V
1720—370 Leonard Henry
1721—369 Monkman Sarah C
1728—374 Montgomery Wm J
1729—373 Hershberger Ora A
1731—373 Lamberg Aug G
1736—378 Reinhold Henry C
1738—380 Reinhold Herman M
1739—379 Turnbull John I
1744—382 Halter Michl J
1750—384 Martz Louis P
1751—381 Jebb Henry I
1752—386 Perrigo Marvin J
1753—383 Erz Albert P
1754—388 Molitor Screen & Woodwork Co

Target Street	Cross Street	Source
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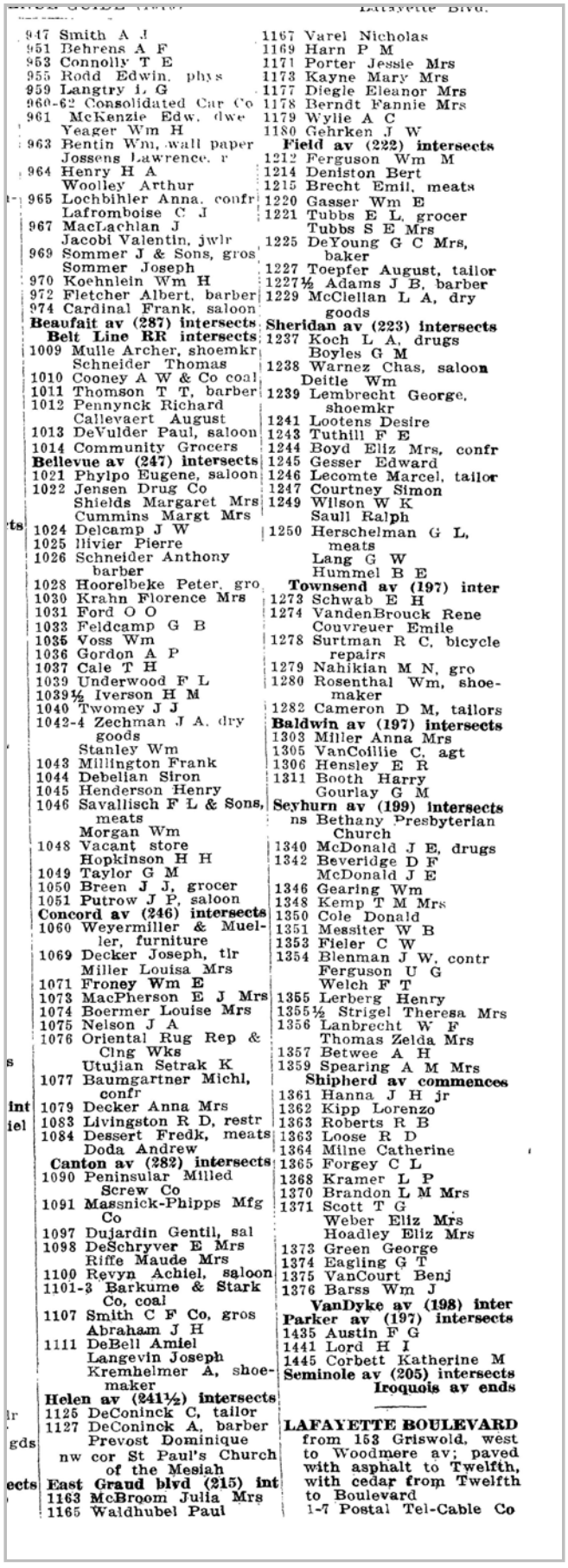
E LAFAYETTE ST 1916



947 Smith A J
951 Behrens A F
953 Connolly T E
955 Rodd Edwin, phys
959 Langtry L G
960-62 Consolidated Car Co
961 McKenzie Edw, dwe
Yeager Wm H
963 Bentin Wm, wall paper
Jossens Lawrence, r
964 Henry H A
Woolley Arthur
965 Lochbihler Anna, confr
Lafromboise C J
967 MacLachlan J
Jacobi Valentin, jwlr
969 Sommer J & Sons, gros
Sommer Joseph
970 Koehnlein Wm H
972 Fletcher Albert, barber
974 Cardinal Frank, saloon
Beaufait av (287) intersects
Belt Line RR intersects
1009 Mulle Archer, shoemkr
Schneider Thomas
1010 Cooney A W & Co coal
1011 Thomson T T, barber
1012 Pennynck Richard
Callevaert August
1013 DeVulder Paul, saloon
1014 Community Grocers
Bellevue av (247) intersects
1021 Phylpo Eugene, saloon
1022 Jensen Drug Co
Shields Margaret Mrs
Cummins Margt Mrs
1024 Delcamp J W
1025 Illivier Pierre
1026 Schneider Anthony barber
1028 Hoorelbeke Peter, gro
1030 Krahn Florence Mrs
1031 Ford O O
1033 Feldcamp G B
1035 Voss Wm
1036 Gordon A P
1037 Cale T H
1039 Underwood F L
1039½ Iverson H M
1040 Twomey J J
1042-4 Zechman J A, dry goods
Stanley Wm
1043 Millington Frank
1044 Debellan Siron
1045 Henderson Henry
1046 Savallisch F L & Sons, meats
Morgan Wm
1048 Vacant store
Hopkinson H H
1049 Taylor G M
1050 Breen J J, grocer
1051 Putrow J P, saloon
Concord av (246) intersects
1060 Weyermiller & Mueller, furniture
1069 Decker Joseph, tlr
Miller Louisa Mrs
1071 Froney Wm E
1073 MacPherson E J Mrs
1074 Boermer Louise Mrs
1075 Nelson J A
1076 Oriental Rug Rep & Clng Wks
Utujian Setrak K
1077 Baumgartner Michl, confr
1079 Decker Anna Mrs
1083 Livingston R D, restr
1084 Dessert Fredk, meats
Doda Andrew
Canton av (282) intersects
1090 Peninsular Milled Screw Co
1091 Massnick-Phipps Mfg Co
1097 Dujardin Gentil, sal
1098 DeSchryver E Mrs
Riffe Maude Mrs
1100 Revyn Achiel, saloon
1101-3 Barkume & Stark Co, coal
1107 Smith C F Co, gros
Abraham J H
1111 DeBell Amiel
Langevin Joseph
Kremhelmer A, shoemaker
Helen av (241½) intersects
1125 DeConinck C, tailor
1127 DeConinck A, barber
Prevost Dominique
nw cor St Paul's Church of the Mesiah
East Graud blvd (215) int
1163 McBroom Julia Mrs
1165 Waldhubel Paul
1167 Varel Nicholas
1169 Harn P M
1171 Porter Jessie Mrs
1173 Kayne Mary Mrs
1177 Diegle Eleanor Mrs
1178 Berndt Fannie Mrs
1179 Wylie A C
1180 Gehrken J W
Field av (222) intersects
1212 Ferguson Wm M
1214 Deniston Bert
1215 Brecht Emil, meats
1220 Gasser Wm E
1221 Tubbs E L, grocer
Tubbs S E Mrs
1225 DeYoung G C Mrs, baker
1227 Toepfer August, tailor
1227½ Adams J B, barber
1229 McClellan L A, dry goods
Sheridan av (223) intersects
1237 Koch L A, drugs
Boyles G M
1238 Warnez Chas, saloon
Deitle Wm
1239 Lembrecht George, shoemkr
1241 Lootens Desire
1243 Tuthill F E
1244 Boyd Eliz Mrs, confr
1245 Gesser Edward
1246 Lecomte Marcel, tailor
1247 Courtney Simon
1249 Wilson W K
Saull Ralph
1250 Herschelman G L, meats
Lang G W
Hummel B E
Townsend av (197) inter
1273 Schwab E H
1274 VandenBrouck Rene
Couvreuer Emile
1278 Surtman R C, bicycle repairs
1279 Nahikian M N, gro
1280 Rosenthal Wm, shoemaker
1282 Cameron D M, tailors
Baldwin av (197) intersects
1303 Miller Anna Mrs
1305 VanCoillie C, agt
1306 Hensley E R
1311 Booth Harry
Gourlay G M
Seyhurn av (199) intersects
ns Bethany Presbyterian Church
1340 McDonald J E, drugs
1342 Beveridge D F
McDonald J E
1346 Gearing Wm
1348 Kemp T M Mrs
1350 Cole Donald
1351 Messiter W B
1353 Fieler C W
1354 Blenman J W, contr
Ferguson U G
Welch F T
1355 Lerberg Henry
1355½ Strigel Theresa Mrs
1356 Lanbrecht W F
Thomas Zelda Mrs
1357 Betwee A H
1359 Spearing A M Mrs
Shipherd av commences
1361 Hanna J H jr
1362 Kipp Lorenzo
1363 Roberts R B
1363 Loose R D
1364 Milne Catherine
1365 Forgey C L
1368 Kramer L P
1370 Brandon L M Mrs
1371 Scott T G
Weber Eliz Mrs
Hoadley Eliz Mrs
1373 Green George
1374 Eagling G T
1375 VanCourt Benj
1376 Barss Wm J
VanDyke av (198) inter
Parker av (197) intersects
1435 Austin F G
1441 Lord H I
1445 Corbett Katherine M
Seminole av (205) intersects
Iroquois av ends

LAFAYETTE BOULEVARD from 153 Griswold, west to Woodmere av; paved with asphalt to Twelfth, with cedar from Twelfth to Boulevard
1-7 Postal Tel-Cable Co

Target Street	Cross Street	Source
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FIELD AV from 1443 Jefferson av north to Harper av, with brick from Lafayette av, with asphalt from Lafayette av to Waterloo, with cedar from Waterloo to Mack av, with brick from Mack av to Gratiot av

101 Geib F W
103 Path E F
D U R substation
103½ Durable Apron & Towel Supply Co
106 Detroit Grinding Wheel Co
107 Dueweke Henry
120 Bernard Theodore
121 McHugh E D
122 Borowski Richard
124 Strong M E Mrs
Det Coll of Music (br)
128 Pitters George
129 Springman J E
132 Allen Wm
133 Healy J W
Schutak Victor
Stanton F J
134 Lanthier Charles
Danziger Nathan
136 Johnson J A
137 Stewart J I
137½ Stauffer E E
138 Spieles P J
139 Schueler Adolph
139½ Fox J A
140 Holland Harry
142 Barkenowitz Oscar
143 Jackman Marion
Trupis Anthony
144 Scmidt Charles
146 Roth Charles, contr
Holton S D

Congress (1259) intersects

153 Vacant
154 Dalziel Margaret
155 France Henry
158 Becold John
160 Clifford E J
164 Fraser George
165-7 Marshall Blow Pipe Co
166 Duncan Marjorie Mrs
168 Tuck Edward
169 Fournier G E
172 Wettlaufer Hulda Mrs
172½ Mooney P J
173 McGee Charles
174 Koch L A
175 Botsford A W
178 Bailey E A
179 Smith James
180 Osborne I E
181 Richards M E Mrs
184 Butschke Mary Mrs
188 Schnoering A Mrs
189-91 Hohf Otto
Stock Elizabeth Mrs
190 Roberts D J
192 Ransomer B G, contr
194 Reece J L B, electn
195 Steiner P H
Steiner Otto, sheet metal works
196 Bradley J W
197 Campbell W O
Williams F C
199 Dowson C H
200 Clifford W A, real est
201 St Onge Samuel

Target Street	Cross Street	Source
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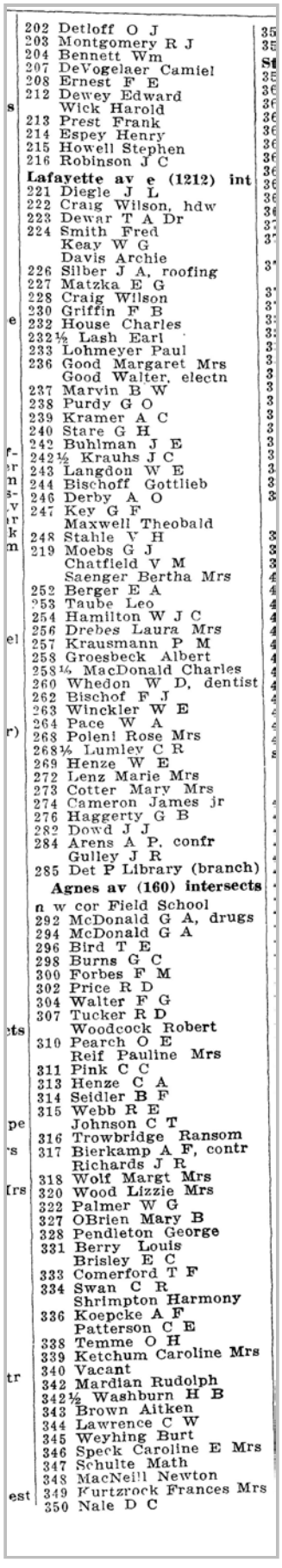
FIELD ST 1916



202 Detloff O J
203 Montgomery R J
204 Bennett Wm
207 DeVogelaer Camiel
208 Ernest F E
212 Dewey Edward
Wick Harold
213 Prest Frank
214 Espey Henry
215 Howell Stephen
216 Robinson J C
Lafayette av e (1212) int
221 Diegle J L
222 Craig Wilson, hdw
223 Dewar T A Dr
224 Smith Fred
Keay W G
Davis Archie
226 Silber J A, roofing
227 Matzka E G
228 Craig Wilson
230 Griffin F B
232 House Charles
232½ Lash Earl
233 Lohmeyer Paul
236 Good Margaret Mrs
Good Walter, electn
237 Marvin B W
238 Purdy G O
239 Kramer A C
240 Stare G H
242 Buhlman J E
242½ Krauhs J C
243 Langdon W E
244 Bischoff Gottlieb
246 Derby A O
247 Key G F
Maxwell Theobald
248 Stahle V H
219 Moebs G J
Chatfield V M
Saenger Bertha Mrs
252 Berger E A
253 Taube Leo
254 Hamilton W J C
256 Drebes Laura Mrs
257 Krausmann P M
258 Groesbeck Albert
258¼ MacDonald Charles
260 Whedon W D, dentist
262 Bischof F J
263 Winckler W E
264 Pace W A
268 Polen! Rose Mrs
268½ Lumley C R
269 Henze W E
272 Lenz Marie Mrs
273 Cotter Mary Mrs
274 Cameron James jr
276 Haggerty G B
282 Dowd J J
284 Arens A P, confr
Gulley J R
285 Det P Library (branch)
Agnes av (160) intersects
n w cor Field School
292 McDonald G A, drugs
294 McDonald G A
296 Bird T E
298 Burns G C
300 Forbes F M
302 Price R D
304 Walter F G
307 Tucker R D
Woodcock Robert
310 Pearch O E
Reif Pauline Mrs
311 Pink C C
313 Henze C A
314 Seidler B F
315 Webb R E
Johnson C T
316 Trowbridge Ransom
317 Bierkamp A F, contr
Richards J R
318 Wolf Margt Mrs
320 Wood Lizzie Mrs
322 Palmer W G
327 OBrien Mary B
328 Pendleton George
331 Berry Louis
Brisley E C
333 Comerford T F
334 Swan C R
Shrimpton Harmony
336 Koepcke A F
Patterson C E
338 Temme O H
339 Ketchum Caroline Mrs
340 Vacant
342 Mardian Rudolph
342½ Washburn H B
343 Brown Aitken
344 Lawrence C W
345 Weyhing Burt
346 Speck Caroline E Mrs
347 Schulte Math
348 MacNeill Newton
349 Kurtzrock Frances Mrs
350 Nale D C

Target Street	Cross Street	Source
-	✓	Polk's City Directory

E LAFAYETTE ST 1911

Canton av (282) intersects.

1090 Peninsular Milled Screw Co
1091 Massnick, Phipps Mfg Co
1097 De Saer J, saloon
1098 De Schryver August
" Israel Jacob
1100 Revyn Achiel, saloon
1101-1103 Darcy J & Co, coal
1107 Neville E, dressmkr
" Saunders Philip H
1111 Capello Alidor
" Kearney Hearl G
" Detroit United Ry Waiting Room
" Picue A, shoemkr
" Shea Albert

Helen av (230) intersects.

1123 Thomas Lloyd C, M D
1125 DeConinck A C, barber
1127 De Coninck C, tailor
" De Coninck L, r, plmbr
" De Coninck P, contr
" Demarois Louis
n w cor St Paul's Church of the Messiah

East Graud blvd intersects.

1163 McBroom Julia Mrs
1165 Scott Thomas G
1167 Bly Herman J
1169 Maley Mary Mrs
1171 Porter Jessie Mrs
1173 Blackman Joseph
1177 Diegle Arthur P
1178 Berkland Walter A
" Girarden Gusten Mrs
1179 Rollin Henry
1180 Marsden Oscar F

Field av (222) intersects.

1212 Herzog Wm F
1214 Frink Arthur S
1215 Kienle Louis, meats
1220 Gasser Wm E
1221 Tubbs Elmer L
" Tubbs Sarah E Mrs

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E LAFAYETTE ST 1911

1223 Barron S, shoemkr
1225 Lincoln M, mus tchr
" Williams Thomas
1227 Frank E & Co, tailors
" McCarthy C, Mrs
1227½ Adams J B, barber
1229 McClellan L A, dry gds
Sheridan av (202) intersects.
1237 Koch Louis A, drugs
1238 Warnez Chas, saloon
1239 Michiels Jos, shoemkr
1241 Lootens Desire
1243 Gasow Herman M
1244 Woodruff E Mrs, confr
1245 Gesser Edward
1246 Callewaert C, tailor
" Eldridge John
" Lacomte Marcel, tailor
1247 Koch Joseph K
1249 Callewaert Gustav
" Vershouer Peter
1250 Ritchie H A, jeweler
Townsend av (197) intersects.
1273 Schwab Elmer H
1274 Dhonde Adolph
" Vander Paelt Frank
1278 Surtman R J, bicycle repairs
1279 Roesser Cath, nurse
" Roesser Ida, mlnr
1280-1282 Foley Eugene J, candy mfr
Baldwin av (190) intersects.
1303 Miller Anna Mrs
1305 Van Coillie C, steamship ticket agent
1306 Hensley E Richard
1311 Booth Harry
" Gourley eGorge M
Seyburn av (199) intersects.
n s Bethany Presbyterian Ch
1340 McDonald J E, drugs
1342 Luckham David R
" McDonald John E
1346 Gearing Wm
1354 Blenman Mary Mrs
" Bradley Frank A
" Christian John
1355 Gillespie Arthur H
1355½ Messiter Wilfred B
1356 Raesecke Adolph E
" Hooper Mary E Mrs
1357 Blenkarn George V
1359 Bradley Frank A
Shipherd av commences.
1362 Macadam Walter R

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FIELD AV, from 1443 Jefferson av north to Harper av. Paved with brick to Champlain, with asphalt from Champlain to Kercheval, with cedar from Kercheval to Gratiot av.

n e cor Detroit Emery Wheel Mfg Co
103 Schaale Tent & Awning Co The
107 Rutson Ranson W
" Johnson Helen, nurse
120 Epstean Ira G
121 Wheedon Frank H
122 Rudolph Christ
124 Strong Harlan R
128 Allen Wm E
129 Tucker Jennie Mrs
132 Moore Alexander
133 Dutton Thomas V
134 Lauthier Charles
136 Embree Arthur W
137 Schueler Soloman
137½ Playter George F
138 Spieles Peter J
139 Howard Lawrence J
139½ Howard Ellen Mrs
140 Vacant
142 Owens Daniel
143 Cloutier Israel L
144 Pfeiffer Phillip J
146 Smith Andrew
Congress (1291) intersects.
153 Herber Amy
154 Schunecht Anna Mrs
155 Lafrance Henry
158 Breadon Robert W
160 Holland Harry
164 Frazer George

Target Street	Cross Street	Source
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FIELD ST 1911

165-167 Standard Gear Co
166 Duncan Marjorie
168 Tuck Edward
169 Baumann Jacob
172 Wettlaufer Hulda Mrs
172½ Greunawald Wm A
173 Gies John M
174 Koch Louis A
175 Turner Wm A
178 Bailey Edward
179 Smith James
" Ganron Thomas J
180 Osborne Irving E
181 Richards Mary M Mrs
184 Locher Anton
188 Schnoering Augusta
189-191 Hohf Otto
190 Roberts David
192 Munro Robert
194 Reece James L B
195 Cohoon Wm C
" Work Robert H
196 Smith Charles F
197 Dowson Charles H
" Scott Thomas J
199 Botsford George A
200 De Saer Julius
201 O'Connor Wm R
202 Dettloff Otto J
203 Jose Nickolas R
204 Bennett Wm
207 De Vogelaer Camiel
208 Ernest Fred E
212 Dewey Edward
" Smith George P
213 Prest Frank
214 Snover Charles
215 Gleason Wm L
216 Brittan Albert
" Gomand Harry

Champlain (1212) intersects.

221 Diegle John L
222 Craig Wilson
223 Dewar Thomas A, M D
224 Olis Wm H
" Palmer Joseph
" Struckman Christ
226 Silber J, sheet metal wks
227-229 Burns Anna Mrs
228 Brady John J
230 Trombley Louis
232 House Charles
233 Lohmeyer Paul
236 Good Margaret Mrs
237 Viot Harry R
239 Kramer Andrew C
242 Brown John H
" Thorley Thomas
243 Dupuis Augustus J
244 Bischof Gottlieb
247 Key George F
" Mather Lawrence D
248 Stahle Victor H
249 Ranken Wm G
" Saenger Bertha Mrs
252 Berger Edward A
253 Spratt John C
254 Adams Reuben P
256 Drebes Laura Mrs
257 Krausmann Philip M
258 Bird Thomas E
258½ Groesbeck Albert
260 Henderson Sarah Mrs
262 Jackson Frederick C
263 Winckler Walter E
264 Fritts Herbert L
268 Polenl Rose Mrs
268½ McKinley Daniel
269 Henze Wm E
272 Stewart Alexander F
273 Graham Catherine
274 Cameron James
276 Haggerty George B
277 Scott Charles H
284 Wiidon Charles P
285 Det P Library (branch)

Agnes av intersects.

n w cor Field School
292 McDonald George A
296 Appel Catherine Mrs
298 Burns George C
300 Allen Addie Mrs
" Neal DeCoutsey B
302 Seitz Joseph
304 Marriott Rudolph N
307 Quinn James
310 Reif Pauline
" Shifferly George H
311 Bunce Alfred R
313 Vhay Wm J
314 Seidler Benjamin F
316 Wood Wm A
318 Laverock Arthur
320 Wood Lizzie Mrs
322 Palmer Wallace G
327 O'Brien Jane A
328 Root Ellen Mrs
334 Fenkell George H
334 Curtiss Frances C S
336 Moffat Wm W
" Maxwell Vernon C
339 Wilson John W
343 Brown Aitken
345 Langdon Wm G
346 Speck Caroline E Mrs
347 Dolson Frederick
349 Mortensen Morton T
350 Hartenstein Wm
351 Kempt Charles W
352 Huff Russell

St Paul av (316) intersects.

359 Foersterling Herman R
361 Otis Henry
361½ Greenamyer Elmer D
363 Carson Nellie M
363½ Foersterling Gustave H
364 Kramer Walter A
365 Foersterling Reinhard V
366 de Younge Carl M
369 Howley Mary E
" Monkman Sarah C
370 Leonard Henry
374 Moebs George
378 Hahn Dorothy Mrs
379 Turnbull John I
w s Vacant
380 Koch John W
382 Wakeman Helen, mus t'r
388 Happell Wm
390 Barie Emilie E
394 Yaeger Louis F
395 Gunderson Gustave A
396 Field Ezra H
" Sohner Ezra H
" Volkman Mary Mrs
397 Herfurth Mary
398 Fox Cassius J
399 Guthard Henry J
401 McWilliams George E
403 Huff Daniel
404 Gottesleben Oscar C
405 Aldrich Ambrose B
406 Bell Robert E
" Huber Mary E Mrs
408 Huebner Ellwood
409 Hensien Genevieve
412 Burgess Wm
413 Rouland John E
419 Julia Knauss
421 Ezra Albert P
423 Hartenstein Pius
425 Capling Wesley J, confr
s e cor St Luke's Ger Evan Church and School

Kercheval av (312) intersects

433 Rotacher Jacob W
435 Blay Bartholo'w A, contr
436 Wiseman Frank D
437 Rheinfrank Louise M
440 Brueckman Mary Mrs
441 Born Henry
443 Pfeifle John, real est
444 Swain Martin A
446 Brushaber Matilda Mrs
448 Grunow Oliver H
449 O'Connor John
" Zimmerman John H
451 Vacant
452 Brendel John C
453 Hoffman John N
455 Lichtenberg F Wm
456 Hensler Wm C
459 Raihle Herman F
462 Ellenbogen Carl D
" Taepke Walter G

10.5 Regulatory Records Documentation: Records Documentation: The EDR Radius Map Report with GeoCheck, EGLE FOIA/File Documentation, Health Department Response, Assessing Records, City of Detroit Fire Department, City of Detroit BSEED, and EGLE Perfected Environmental Liens

Warren C. Evans
Wayne County Executive

October 16, 2019

Kera Sharpe
ASTI Environmental
FOIA@asti-env.com

Re: Freedom of Information Act Request[1] of October 10, 2019 for 1005, 1007, 1023, 1025, 1027, 1029, 1031, 1045, 1047, 1049, 1051, 1065, 1067, 1083, 1085, 1091, 1093, 244, 246, 250, 1014, 1016, 1070, 1074, 1090, 1094, 1100, 1104, 1108, 1448, 1452, 1458, 1462, 1470, 1474, 1481, 1491, 1495, 238, 242, and 248 Field and 240, 232 (Apt 101, 102, 201, 202, B), 236, and 238 E Grand Blvd., Detroit

Dear Ms. Sharpe:

Wayne County Department of Public Services Land Resource Management Division received the following request on October 10, 2019 by email:

> Requests any reports or information pertaining to landfilling activity, spills/releases, 201 sites, aboveground storage tanks, underground storage tanks, and soil or water contamination.

Your request is denied. After a diligent search for the requested records, we have determined and certify the records do not exist.

If you can provide more specific information, your request will be reviewed to determine whether the desired records exist.

You have the right to do either of the following with regard to the denial of your request:

(1) Submit a written appeal to the County Executive, which specifically states the word "appeal" and states the reason or reasons the denial should be reversed.

OR

(2) Commence an action in the circuit court to compel disclosure. Should you prevail, you will be entitled to have reasonable attorneys' fees, costs and disbursements assessed against the County by the court. If you or the County prevails in part, the court may, in its discretion, award you all or an appropriate portion of reasonable attorneys' fees, costs, and disbursements. If the court determines that the County has been arbitrary and capricious in its denial, you will also be entitled to punitive damages in the amount of $1,000.00.

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1 The legally required posting of the "Wayne County Freedom of Information Act Procedures & Guidelines," as well as the "Wayne County Summary of FOIA Procedures & Guidelines," are available for viewing under the "Public Records" section of the County's website at the following web address: http://waynecounty.com/county/foia.htm

If you have any questions please do not hesitate to contact me at (734) 326-3936.

Sincerely,

Patrick C. Cullen, FOIA Officer
Department of Public Services
Land Resource Management Division

Denial approved:

Patricia Moore
Office of Corporation Counsel
Date: 10/16/19

cc: Candice Smith-Parker

19-518

Parcel Number: 15007471. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1491 FIELD	School: DETROIT PUBLIC SCHOOLS					
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET II LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

Improved | X | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	50.00	180.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		9,000.000	Sq Ft		1.00	100		9,000

* denotes lines that do not contribute to the total acreage calculation.

50 Actual Front Feet, 0.21 Total Acres Total Est. Land Value = 9,000

Tax Description

W FIELD 97 MOSES W FIELDS 2ND SUB L10 P10 PLATS, W C R 15/100 50 X 180

Comments/Influences

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who When What

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Duplex FR

USE 1320 STY. HT. 2 EXT. WALLS Vinyl AGE 1996 AREA 1024 CLASS C+5

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. BR. (CONC.) SLAB	
BASEMENT: NO (FULL) PART X	
ROOF: (ASPH.) COMP. WD. OTHER	
FIREPLACE: NO ✓ NAT. DOUBLE	
HEAT: STOVE FL. (FURN.) WALL FURN. HAG. (FHA) STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. 2 LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH: Plaster b.board	
ROOMS IN ATTIC: —0—	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND (YES) NO TONNAGE 4 TON	1060

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCPP	96	3.00	288
WCPP	64	3.00	192

TRANSER TO APPRAISAL REPORT FORM TOTAL 480

GARAGE AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

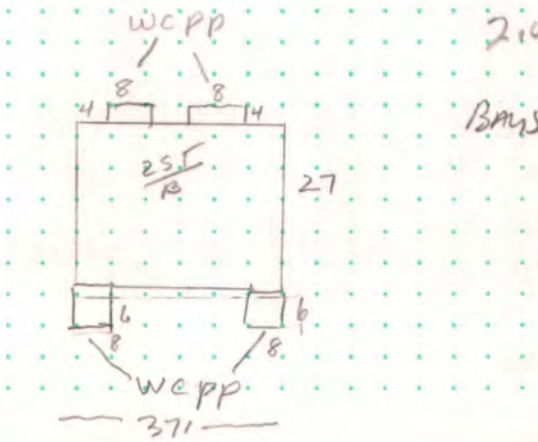
TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL _____

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO. 15-18	USE 19-21	ASSM STATUS 22-24	STORY HEIGHT 25-27	STRU. CODE 28-29	AREA 30-39	YEAR BUILT 40-42	DEP 43-44	RATE 45-52	COND 53-56	FUNCT. 57-59	ECON. 60-62	F 73
004	132	000	2 0	0B	1000	1997	PR					
0020	1510	X	2 0	03	24	1997	PR					

SKETCH



AREA COMPUTATIONS

2.0B 11/37 x 27 = 1000

Bmts 2(11.8) = 24

1024

PORCH COMPUTATIONS

WCPP 2(6X8) = 96

WCPP 2(8X4) = 64

MISC. STRUCTURES

CITY OF DETROIT BOARD OF ASSESSORS

RESIDENTIAL APPRAISAL RECORD

BETWEEN ST PAUL

AND AGNES

L.V.M. 464

ZONING

STREET ALLEY

WIDTH

PAVED

UNPAVED

LAND DIMENSIONS	
FRONT	DEEP
50	180

WD 15 ITEM 7471

HOUSE NO. 1491-1495

W FIELD 97

MOSES W FIELDS 2ND SUB.

L10 P10 PLATS, W C R

15/100 50x180

8512

LAND APPRAISAL REPORT FORM

ASSM NO	LAND USE	ASSM STATUS	L.V.M	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
		000	464		50 00	180 00				

GENERAL NOTATIONS

CoBeD 12-8-99

COLEMAN / NICERT

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER STY. HT. 1 1½ 2 2½ GAR YES NO

BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT. H.B. COM. OTHER

DATE	19 99	19	19	19	19	19	19
APPR. BY	ER 12						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

Parcel Number: 15007472. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1481 FIELD	School: DETROIT PUBLIC SCHOOLS					
	P.R.E. 0%					
	WARD#: 15					
	2020 Est TCV Tentative					

Owner's Name/Address

MESSIAH HOUSING CORPORATION
231 E GRAND BLVD
DETROIT MI 48207-3739

X Improved | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	75.00	180.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		13,500.000 Sq Ft			1.00	100		13,500

* denotes lines that do not contribute to the total acreage calculation.

75 Actual Front Feet, 0.31 Total Acres Total Est. Land Value = 13,500

Tax Description

W FIELD 98 N 25 FT OF 99 MOSES W FIELDS 2ND SUB L10 P10 PLATS, W C R 15/100 75 X 180

Comments/Influences

Public Improvements

- Dirt Road
- Gravel Road
- X Paved Road
- X Storm Sewer
- X Sidewalk
- X Water
- X Sewer
- X Electric
- X Gas
- Curb
- X Street Lights
- X Standard Utilities
- Underground Utils.

Topography of Site

- X Level
- Rolling
- X Low
- High
- Landscaped
- Swamp
- Wooded
- Pond
- Waterfront
- Ravine
- Wetland
- Flood Plain

Who	When	What
TYL	07/25/2016	TYL-ADV RE

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many		Large
	Avg.	X	Avg.
	Few		Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

X	Gable		Gambrel
	Hip		Mansard
	Flat		Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall		Plaster
	Paneled		Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:			Solid	X	H.C.

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1080 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas		Oil		Elec.
	Wood		Coal		Steam

	Forced Air w/o Ducts
	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
X	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

2	Average Fixture(s)
	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,208
Total Base New : 241,279 E.C.F.
Total Depr Cost: 212,328 X 0.245
Estimated T.C.V: 52,020

(16) Porches/Decks

Area	Type	
32	WCP	(1 Story)
74	WCP	(1 Story)
32	WCP	(1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

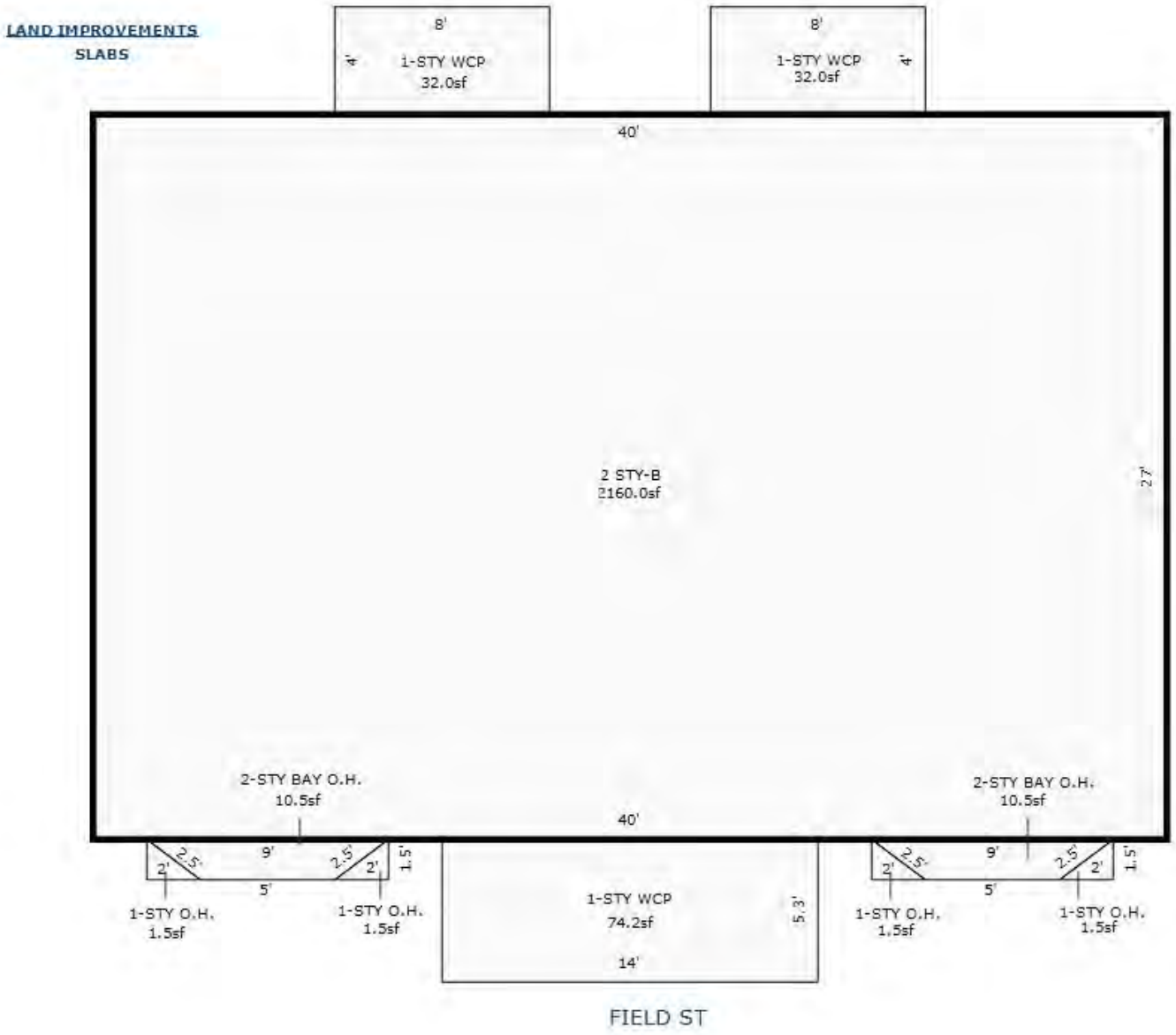
Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1997
(11) Heating System: Forced Heat & Cool
Ground Area = 1080 SF Floor Area = 2208 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,080		
2 Story	Siding	Overhang	10		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
2 Story	Siding	Overhang	10		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
		Total:		229,700	202,138
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			1	4,020	3,538
Porches					
WCP (1 Story)			32	2,027	1,784
WCP (1 Story)			74	3,505	3,084
WCP (1 Story)			32	2,027	1,784
		Totals:	241,279	212,328	

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 52,020



*** Information herein deemed reliable but not guaranteed***

BUILDING DESCRIPTION				AMOUNT
FOUNDATION: POST C.B. BR. CONC. SLAB				
BASEMENT: NO FULL PART X				
ROOF: ASPH. COMP. WD. OTHER				
FIREPLACE: NO ✓ NAT. DOUBLE				
HEAT: STOVE FL. FURN. WALL FURN HAG. FHA STEAM H.W. ARCOLA RAD. ELEC.				
BURNER: NO GAS OIL STOKER				
BATH 2 FLOOR WALL				
X BATH FLOOR WALL				
X BATH FLOOR WALL				
LAV. ✓ LOCATION FL. W.				
X LAV. LOCATION FL. W.				
STALL SHOWER				
INTERIOR FINISH: Plasterboard				
ROOMS IN ATTIC: 0 ✓				
KITCHEN:				
REC. ROOM:				
MISC:				
AIR COND. YES NO TONNAGE 4 TON				1000

PORCH, TERRACE, ETC.			
DESCRIPTION	SQ. FEET	RATE	
WCPP	74	3.00	222
WCPP	64	3.00	192
TRANSER TO APPRAISAL REPORT FORM	TOTAL		414

GARAGE, AGE			
DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			
TRANSFER TO APPRAISAL REPORT FORM	TOTAL		

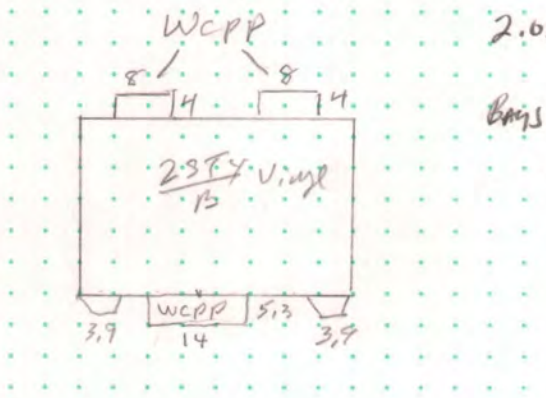
SUPERVISOR'S APPROVAL _____

USE Duplex STY HT 2.0 EXT WALLS FR Vinyl AGE 1997 AREA 1080 CLASS C+5

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM STATUS	STORY HEIGHT	STRU CODE	AREA	YEAR BUILT	DEP	RATE	COND	FUNCT	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001	01320	000	20	03	1080	1997	01					
002	01510	1510	20	03	24	1997	01					

SKETCH



AREA COMPUTATIONS

2.0B 11/1 40X27=1080

Bays 2(11.8) = 24

PORCH COMPUTATIONS

WCPP 14X5.3=74

WCPP 2(8X4) =64

MISC STRUCTURES

2000 COMB.
3-3-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN ST PAUL
AND AGNES
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP
75	180

WD 15 ITEM 7472
HOUSE NO. 1481-1485
W. FIELD 98
N 25 FT OF 99
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 75 x 180

8512

LAND APPRAISAL REPORT FORM

ASSM. NO.	LAND USE	ASSM STATUS	L.V.M.	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
		201	464		75 00	180 00				

GENERAL NOTATIONS

CUBED 12-8-99
COLEMAN / WICERT

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER STY. HT. 1 1½ 2 2½ GAR YES NO
BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER

DATE	19 99	19	19	19	19	19	19
APPR. BY	EDIT						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

Parcel Number: 15007479-80 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1083 FIELD	School: DETROIT PUBLIC SCHOOLS		ALTERATION/RENOVATION	05/30/2006	091469	PERMIT COM
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

Tax Description

W FIELD 73 & 72MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 100 X 180

Comments/Influences

	Improved	Vacant
	X	

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who When What

Land Value Estimates for Land Table CGI.COMMERCIAL GENERAL INTERIOR

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	100.00	180.00	1.0000	0.0000	0	100*		0
cgi sq ft rates		18,000.000	Sq Ft		0.39	100		6,954

* denotes lines that do not contribute to the total acreage calculation.

100 Actual Front Feet, 0.41 Total Acres Total Est. Land Value = 6,954

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

Desc. of Bldg/Section: BLDG. 1, SEC. 1
Calculator Occupancy: Multiple Residences

Class: C
Floor Area: 6,248
Gross Bldg Area: 6,248
Stories Above Grd: 2
Average Sty Hght : 10
Bsmnt Wall Hght : 9

Depr. Table : 1.75%
Effective Age : 25
Physical %Good: 64
Func. %Good : 100
Economic %Good: 100

1904 Year Built Remodeled

20 Overall Bldg Height

Comments:

Construction Cost

	High		Above Ave.	X	Ave.		Low

** ** Calculator Cost Data ** **
Quality: Average
Heat#1: Complete H.V.A.C. 100%
Heat#2: Electric, Cable or Baseboard 0%
Ave. SqFt/Story: 3124
Total # Units: 232
Has Elevators:

*** Basement Info ***
Area: 3124
Perimeter: 280
Type: Unfinished Basement
Heat:

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average
Total Floor Area: 6248 # of Units: 232
Overall Building Height: 20

Base Rate for Upper Floors = 88.12
Unfinished Basement Basement, Base Rate for Basement = 29.66
(Basement Fireproofing Rate = 0.00)

(10) Heating system: Complete H.V.A.C. Cost/SqFt: 16.05 100%
Bsmnt Heating system: Electric, Cable or Baseboard Cost/SqFt: 6.26
Adjusted Square Foot Cost for Upper Floors = 104.17
Adjusted Square Foot Cost for Basement = 35.92

Total Floor Area: 6,248 Base Cost New of Upper Floors = 650,853
Basement Area: 3,124 Base Cost New of Basement = 112,214

Reproduction/Replacement Cost = 763,067
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 488,363

<<<<< Segregated Cost Computations >>>>>
Costs taken from Segregated Cost Section 2: Multiples & Motels

Item Desciption	Cost Col.	Rate	# or SqFt	Height Adj.	Storys Adj.	Cost

Total Cost New = 0

<<<<< Calculations too long. See Valuation printout for complete pricing. >>>>>

(1) Excavation/Site Prep:

(2) Foundation: | | Footings
X Poured Conc. | | Brick/Stone | | Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures 3-Piece Baths 2-Piece Baths Shower Stalls Toilets		Urinals Wash Bowls Water Heaters Wash Fountains Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
Few Average Many Unfinished Typical		Few Average Many Unfinished Typical
Flex Conduit Rigid Conduit Armored Cable Non-Metalic Bus Duct		Incandescent Fluorescent Mercury Sodium Vapor Transformer

(13) Roof Structure: Slope=0

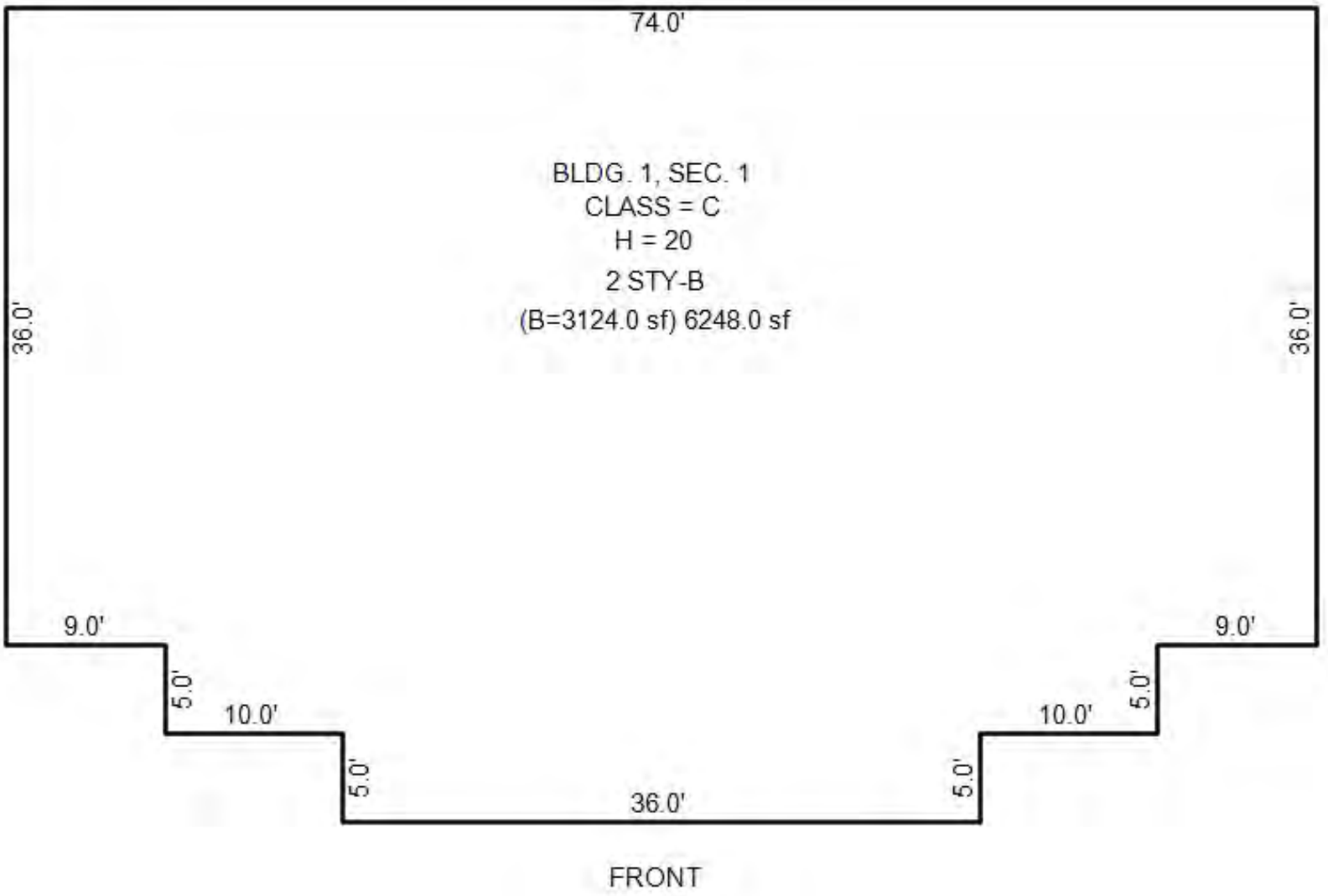
(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***



2000 COMB
3-28-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
COMMERCIAL APPRAISAL RECORD

BETWEEN AGNES
AND E LAFAYETTE
L.V.M. 464
ZONING
STREET · ALLEY
___ WIDTH ___
___ PAVED ___
___ UNPAVED ___

LAND DIMENSIONS	
FRONT	DEEP

WD 15 ITEM 7479-80
HOUSE NO. 1083-1093
W FIELD 73 & 72
MOSES W FIELDS 2 ND SUB
L10 P10 PLATS, W C R
15/100 100 x 180

MISC. IMPROVEMENTS

ASSM NO.	USE	TYPE	AGE	SIZE	RATE

GENERAL NOTATIONS

4 UNITS

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

FIELD SURVEY_____ TRANS. BY_____ CHECKED_____ D. P. FORM_____

BUILDING DESCRIPTION	SIZE	RATE	AMT.	RATE SQ. FT.
BASE RATE				
BASEMENT				
HEIGHT				
STORE USE				
CONST. SPAN				
CLASS				
EXT. WALLS - FRONT				
EXT. WALLS - SIDE				
RECESSED DISP. - OPEN				
REC. DISP. - CLOSED				
SIDE DISPLAY				
ROOF - TYPE				
ROOF - COVER				
ROOF - JOIST STRUCT.				
FLOOR - TYPE - 1ST				
FLOOR - COVER - 1ST				
FLOOR - TYPE - 2ND				
FLOOR - COVER - 2ND				
INT. FIN.				
CEILING MAT'L				
ATT. - SUSP.				
PARTITION MAT'L				
HEAT - 1ST				
HEAT - 2ND				
LIGHTS - 1ST				
LIGHTS - 2ND				
NO. OF STORES				
NO. OF APTS.				
LAVS. LOCATION FL. W.				
BATHS FL. W.				
TOTAL FLAT AMOUNT				
TOTAL BUILDING RATE				

TYPE_____ STY. HT._____ AGE_____ CARD____ OF____

AREA COMPUTATIONS

DEPR._____ COND._____ FUNCT._____ ECON._____

Parcel Number: 15007481. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1065 FIELD	School: DETROIT PUBLIC SCHOOLS		ALTERATION/RENOVATION	05/30/2006	091470	PERMIT COM
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table CGI.COMMERCIAL GENERAL INTERIOR

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	50.00	180.00	1.0000	0.0000	0	100*		0
cgi sq ft rates		9,000.000	Sq Ft		0.42	100		3,805

* denotes lines that do not contribute to the total acreage calculation.

50 Actual Front Feet, 0.21 Total Acres Total Est. Land Value = 3,805

Public Improvements

- Dirt Road
- Gravel Road
- X Paved Road
- X Storm Sewer
- X Sidewalk
- X Water
- X Sewer
- X Electric
- X Gas
- Curb
- X Street Lights
- X Standard Utilities
- Underground Utils.

Topography of Site

- X Level
- Rolling
- X Low
- High
- Landscaped
- Swamp
- Wooded
- Pond
- Waterfront
- Ravine
- Wetland
- Flood Plain

Tax Description

W FIELD 69MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 50 X 180

Comments/Influences

Who	When	What

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Desc. of Bldg/Section: BLDG. 1, SEC. 1
Calculator Occupancy: Multiple Residences

Class: C
Floor Area: 2,520
Gross Bldg Area: 2,520
Stories Above Grd: 2
Average Sty Hght : 10
Bsmnt Wall Hght

Depr. Table : 1.75%
Effective Age : 25
Physical %Good: 64
Func. %Good : 100
Economic %Good: 100

1992 Year Built Remodeled

20 Overall Bldg Height

Comments:

Construction Cost

	High		Above Ave.	X	Ave.		Low

** ** Calculator Cost Data ** **
Quality: Good
Heat#1: Complete H.V.A.C. 100%
Heat#2: Electric, Cable or Baseboard 0%
Ave. SqFt/Story: 1260
Total # Units: 142
Has Elevators:

*** Basement Info ***
Area:
Perimeter:
Type:
Heat:

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Good
Total Floor Area: 2520 # of Units: 142
Overall Building Height: 20

Base Rate for Upper Floors = 128.51

(10) Heating system: Complete H.V.A.C. Cost/SqFt: 17.55 100%
Adjusted Square Foot Cost for Upper Floors = 146.06

Total Floor Area: 2,520 Base Cost New of Upper Floors = 368,071

Reproduction/Replacement Cost = 368,071
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 235,565

<<<<< Segregated Cost Computations >>>>>
Costs taken from Segregated Cost Section 2: Multiples & Motels

Item Desciption	Cost Col.	Rate	# or SqFt	Height Adj.	Storys Adj.	Cost

Total Cost New = 0

Architectural Multiplier: 1.07

Reproduction/Replacement Cost = 0
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 0
<<<<< Calculations too long. See Valuation printout for complete pricing. >>>>>

(1) Excavation/Site Prep:

(2) Foundation:

	Footings				
X	Poured Conc.		Brick/Stone		Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures 3-Piece Baths 2-Piece Baths Shower Stalls Toilets		Urinals Wash Bowls Water Heaters Wash Fountains Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

	Outlets:		Fixtures:
	Few Average Many Unfinished Typical		Few Average Many Unfinished Typical
	Flex Conduit Rigid Conduit Armored Cable Non-Metalic Bus Duct		Incandescent Fluorescent Mercury Sodium Vapor Transformer

(13) Roof Structure: Slope=0

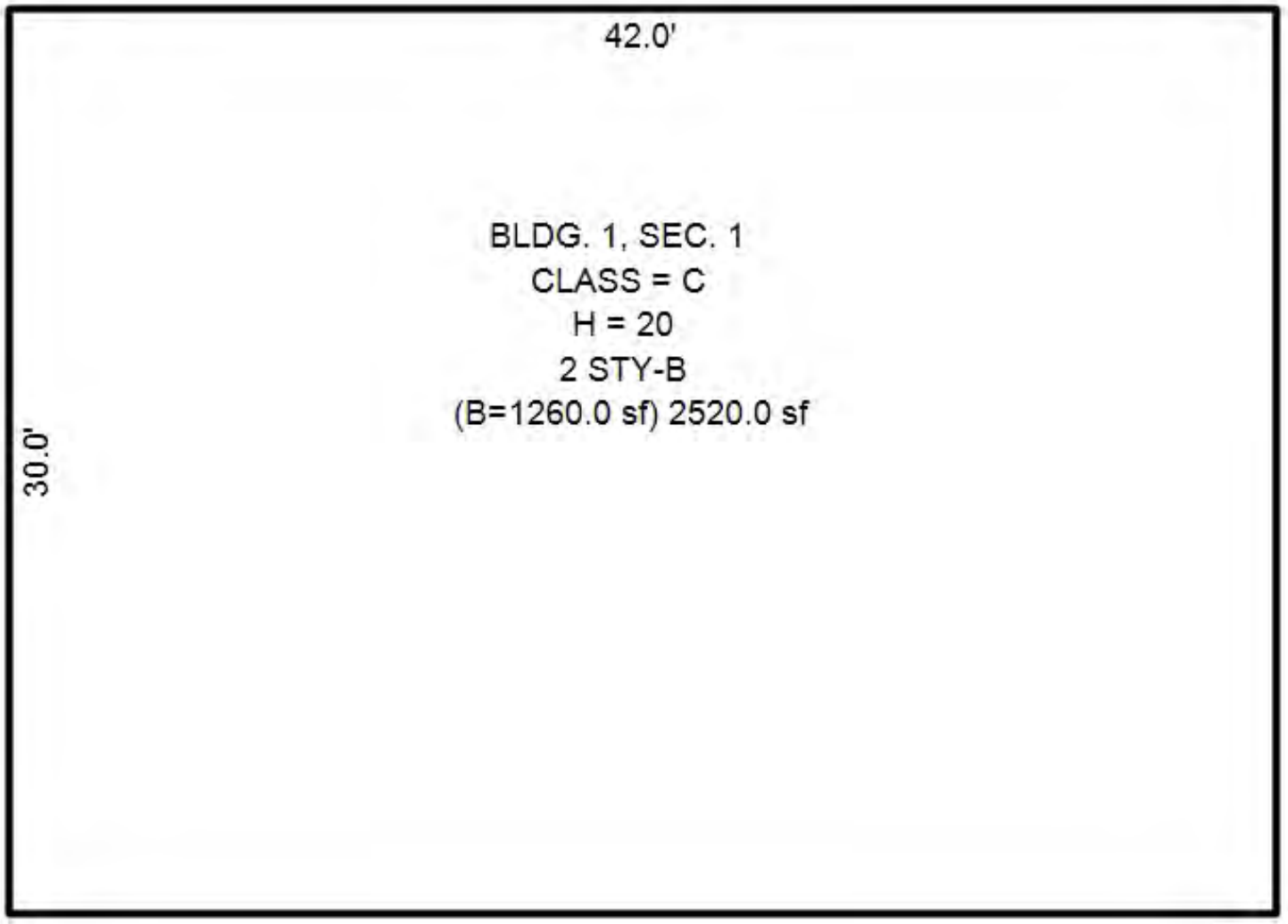
(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***



2000 DIV.
3-28-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
COMMERCIAL APPRAISAL RECORD

BETWEEN AGNES
AND E LAFAYETTE
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP

WD 15 ITEM 7481
HOUSE NO. 1065-1067
W FIELD 69
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 50 x 180

GENERAL NOTATIONS
2 UNITS

MISC. IMPROVEMENTS

ASSM NO.	USE	TYPE	AGE	SIZE	RATE

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

BUILDING DESCRIPTION	SIZE	RATE	AMT.	RATE SQ. FT.
BASE RATE				
BASEMENT				
HEIGHT				
STORE USE				
CONST. SPAN				
CLASS				
EXT. WALLS - FRONT				
EXT. WALLS - SIDE				
RECESSED DISP. - OPEN				
REC. DISP. - CLOSED				
SIDE DISPLAY				
ROOF - TYPE				
ROOF - COVER				
ROOF - JOIST STRUCT.				
FLOOR - TYPE - 1ST				
FLOOR - COVER - 1ST				
FLOOR - TYPE - 2ND				
FLOOR - COVER - 2ND				
INT. FIN.				
CEILING MAT'L				
ATT. - SUSP.				
PARTITION MAT'L				
HEAT - 1ST				
HEAT - 2ND				
LIGHTS - 1ST				
LIGHTS - 2ND				
NO. OF STORES				
NO. OF APTS.				
LAVS. LOCATION FL. W.				
BATHS FL. W.				
TOTAL FLAT AMOUNT				
TOTAL BUILDING RATE				

TYPE_____ STY. HT._____ AGE_____ CARD____ OF____

AREA COMPUTATIONS

DEPR._____ COND._____ FUNCT._____ ECON._____

Parcel Number: 15007482-3 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1045 FIELD	School: DETROIT PUBLIC SCHOOLS		ALTERATION/RENOVATION	05/30/2006	091471	PERMIT COM
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table CGI.COMMERCIAL GENERAL INTERIOR

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	100.00	180.00	1.0000	0.0000	0	100*		0
cgi sq ft rates		18,000.000	Sq Ft		0.39	100		6,954

* denotes lines that do not contribute to the total acreage calculation.

100 Actual Front Feet, 0.41 Total Acres Total Est. Land Value = 6,954

Public Improvements

- [ ] Dirt Road
- [ ] Gravel Road
- [X] Paved Road
- [X] Storm Sewer
- [X] Sidewalk
- [X] Water
- [X] Sewer
- [X] Electric
- [X] Gas
- [ ] Curb
- [X] Street Lights
- [X] Standard Utilities
- [ ] Underground Utils.

Topography of Site

- [X] Level
- [ ] Rolling
- [X] Low
- [ ] High
- [ ] Landscaped
- [ ] Swamp
- [ ] Wooded
- [ ] Pond
- [ ] Waterfront
- [ ] Ravine
- [ ] Wetland
- [ ] Flood Plain

Who When What

Tax Description

W FIELD 68 & 65MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 100 X 180

Comments/Influences

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

Desc. of Bldg/Section: BLDG. 1, SEC. 1
Calculator Occupancy: Multiple Residences

Class: C
Floor Area: 6,248
Gross Bldg Area: 6,248
Stories Above Grd: 2
Average Sty Hght : 10
Bsmnt Wall Hght : 9

Depr. Table : 1.75%
Effective Age : 25
Physical %Good: 64
Func. %Good : 100
Economic %Good: 100

1906 Year Built Remodeled

20 Overall Bldg Height

Comments:

Construction Cost

	High		Above Ave.	X	Ave.		Low

** ** Calculator Cost Data ** **
Quality: Average
Heat#1: Complete H.V.A.C. 100%
Heat#2: Electric, Cable or Baseboard 0%
Ave. SqFt/Story: 3124
Total # Units: 280
Has Elevators:

*** Basement Info ***
Area: 3124
Perimeter: 280
Type: Unfinished Basement
Heat:

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average
Total Floor Area: 6248 # of Units: 280
Overall Building Height: 20

Base Rate for Upper Floors = 91.58
Unfinished Basement Basement, Base Rate for Basement = 29.66
(Basement Fireproofing Rate = 0.00)

(10) Heating system: Complete H.V.A.C. Cost/SqFt: 16.68 100%
Bsmnt Heating system: Electric, Cable or Baseboard Cost/SqFt: 6.26
Adjusted Square Foot Cost for Upper Floors = 108.26
Adjusted Square Foot Cost for Basement = 35.92

Total Floor Area: 6,248 Base Cost New of Upper Floors = 676,409
Basement Area: 3,124 Base Cost New of Basement = 112,214

Reproduction/Replacement Cost = 788,623
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 504,719

<<<<< Segregated Cost Computations >>>>>
Costs taken from Segregated Cost Section 2: Multiples & Motels

Item Desciption	Cost Col.	Rate	# or SqFt	Height Adj.	Storys Adj.	Cost

Total Cost New = 0
<<<<< Calculations too long. See Valuation printout for complete pricing. >>>>>

(1) Excavation/Site Prep:

(2) Foundation:

	Footings				
X	Poured Conc.		Brick/Stone		Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures 3-Piece Baths 2-Piece Baths Shower Stalls Toilets		Urinals Wash Bowls Water Heaters Wash Fountains Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
	Few Average Many Unfinished Typical	Few Average Many Unfinished Typical
	Flex Conduit Rigid Conduit Armored Cable Non-Metalic Bus Duct	Incandescent Fluorescent Mercury Sodium Vapor Transformer

(13) Roof Structure: Slope=0

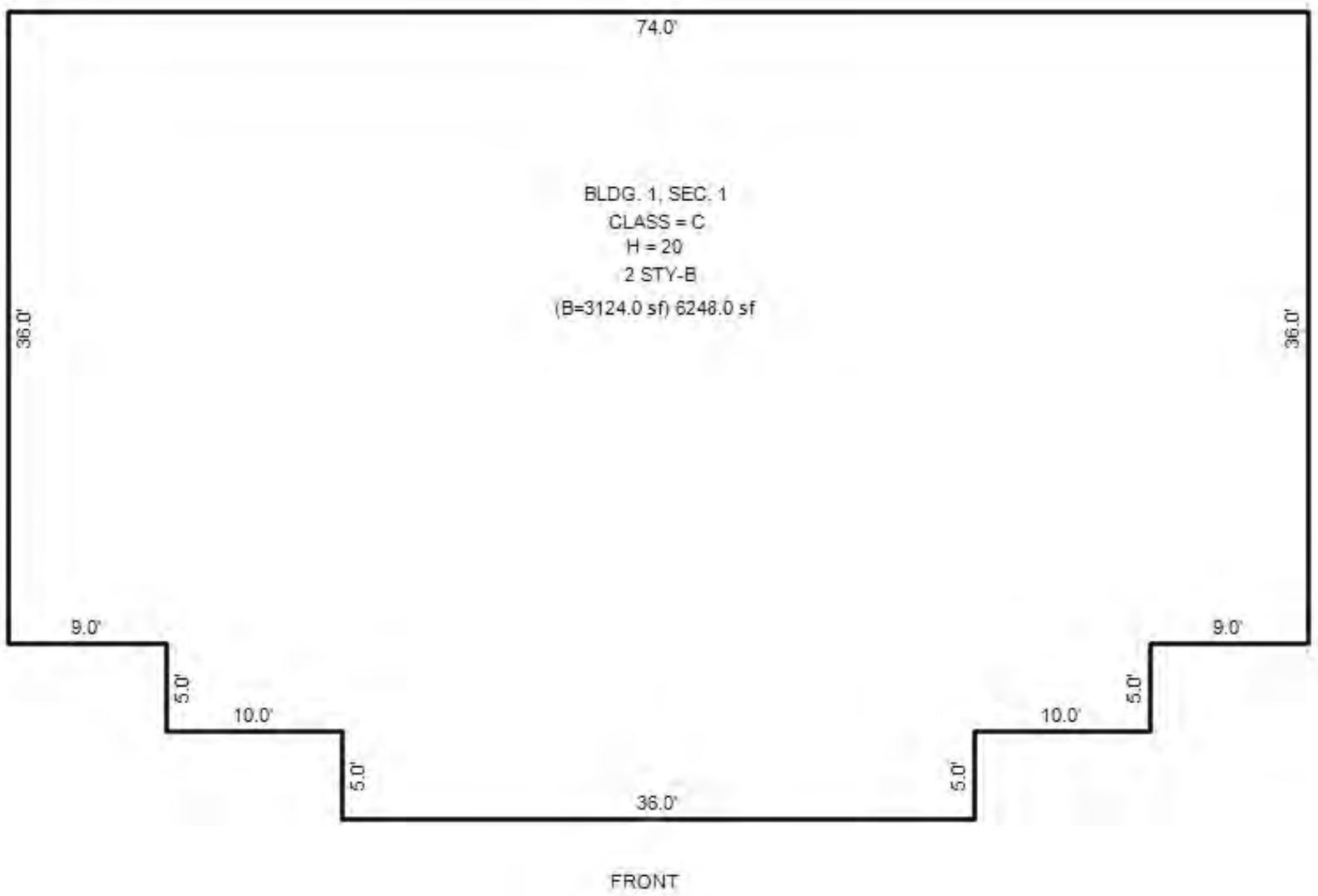
(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***



*** Information herein deemed reliable but not guaranteed***

2000 DIV.
3-28-00LK

CITY OF DETROIT BOARD OF ASSESSORS
COMMERCIAL APPRAISAL RECORD

BETWEEN AGNES
AND E LAFAYETTE
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP

WD 15 ITEM 7482-3
HOUSE NO. 1045-1051
W. FIELD 68465
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 100 x 180

GENERAL NOTATIONS
4 UNITS

MISC. IMPROVEMENTS

ASSM NO.	USE	TYPE	AGE	SIZE	RATE

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

BUILDING DESCRIPTION	SIZE	RATE	AMT.	RATE SQ. FT.
BASE RATE				
BASEMENT				
HEIGHT				
STORE USE				
CONST. SPAN				
CLASS				
EXT. WALLS - FRONT				
EXT. WALLS - SIDE				
RECESSED DISP. - OPEN				
REC. DISP. - CLOSED				
SIDE DISPLAY				
ROOF - TYPE				
ROOF - COVER				
ROOF - JOIST STRUCT.				
FLOOR - TYPE - 1ST				
FLOOR - COVER - 1ST				
FLOOR - TYPE - 2ND				
FLOOR - COVER - 2ND				
INT. FIN.				
CEILING MAT'L				
ATT. - SUSP.				
PARTITION MAT'L				
HEAT - 1ST				
HEAT - 2ND				
LIGHTS - 1ST				
LIGHTS - 2ND				
NO. OF STORES				
NO. OF APTS.				
LAVS. LOCATION FL. W.				
BATHS FL. W.				
TOTAL FLAT AMOUNT				
TOTAL BUILDING RATE				

TYPE_____ STY. HT._____ AGE_____ CARD.____ OF____

AREA COMPUTATIONS

DEPR._____ COND._____ FUNCT._____ ECON._____

Parcel Number: 15007484-6 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 201-COMMERCIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1023 FIELD	School: DETROIT PUBLIC SCHOOLS		ALTERATION/RENOVATION	10/30/2006	094551	PERMIT COM
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table CGI.COMMERCIAL GENERAL INTERIOR

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	150.00	180.00	1.0000	0.0000	0	100*		0
cgi sq ft rates		27,000.000	Sq Ft		0.37	100		9,890

* denotes lines that do not contribute to the total acreage calculation.

150 Actual Front Feet, 0.62 Total Acres Total Est. Land Value = 9,890

Public Improvements

- [ ] Dirt Road
- [ ] Gravel Road
- [X] Paved Road
- [X] Storm Sewer
- [X] Sidewalk
- [X] Water
- [X] Sewer
- [X] Electric
- [X] Gas
- [ ] Curb
- [X] Street Lights
- [X] Standard Utilities
- [ ] Underground Utils.

Topography of Site

- [X] Level
- [ ] Rolling
- [X] Low
- [ ] High
- [ ] Landscaped
- [ ] Swamp
- [ ] Wooded
- [ ] Pond
- [ ] Waterfront
- [ ] Ravine
- [ ] Wetland
- [ ] Flood Plain

Who When What

Tax Description

W FIELD 64,61&60MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 150 X 180

Comments/Influences

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

Desc. of Bldg/Section: BLDG. 1, SEC. 1
Calculator Occupancy: Multiple Residences

Class: C
Floor Area: 6,248
Gross Bldg Area: 6,248
Stories Above Grd: 2
Average Sty Hght : 10
Bsmnt Wall Hght : 8

Depr. Table : 1.75%
Effective Age : 25
Physical %Good: 64
Func. %Good : 100
Economic %Good: 100

1992 Year Built Remodeled

20 Overall Bldg Height

Comments:

Construction Cost

	High		Above Ave.	X	Ave.		Low

** ** Calculator Cost Data ** **
Quality: Average
Heat#1: Complete H.V.A.C. 100%
Heat#2: Electric, Cable or Baseboard 0%
Ave. SqFt/Story: 3124
Total # Units: 280
Has Elevators: X

*** Basement Info ***
Area: 3124
Perimeter: 280
Type: Unfinished Basement
Heat:

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average
Total Floor Area: 6248 # of Units: 280
Overall Building Height: 20

Base Rate for Upper Floors = 91.58
Unfinished Basement Basement, Base Rate for Basement = 29.66
(Basement Fireproofing Rate = 0.00)

(10) Heating system: Complete H.V.A.C. Cost/SqFt: 16.68 100%
Bsmnt Heating system: Electric, Cable or Baseboard Cost/SqFt: 6.26
Adjusted Square Foot Cost for Upper Floors = 108.26
Adjusted Square Foot Cost for Basement = 35.92

Total Floor Area: 6,248 Base Cost New of Upper Floors = 676,409
Basement Area: 3,124 Base Cost New of Basement = 112,214

Reproduction/Replacement Cost = 788,623
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 504,719

<<<<< Segregated Cost Computations >>>>>
Costs taken from Segregated Cost Section 2: Multiples & Motels

Item Desciption	Cost Col.	Rate	# or SqFt	Height Adj.	Storys Adj.	Cost

Total Cost New = 0

<<<<< Calculations too long. See Valuation printout for complete pricing. >>>>>

(1) Excavation/Site Prep:

(2) Foundation:

	Footings				
X	Poured Conc.		Brick/Stone		Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures 3-Piece Baths 2-Piece Baths Shower Stalls Toilets		Urinals Wash Bowls Water Heaters Wash Fountains Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
Few Average Many Unfinished Typical		Few Average Many Unfinished Typical
Flex Conduit Rigid Conduit Armored Cable Non-Metalic Bus Duct		Incandescent Fluorescent Mercury Sodium Vapor Transformer

(13) Roof Structure: Slope=0

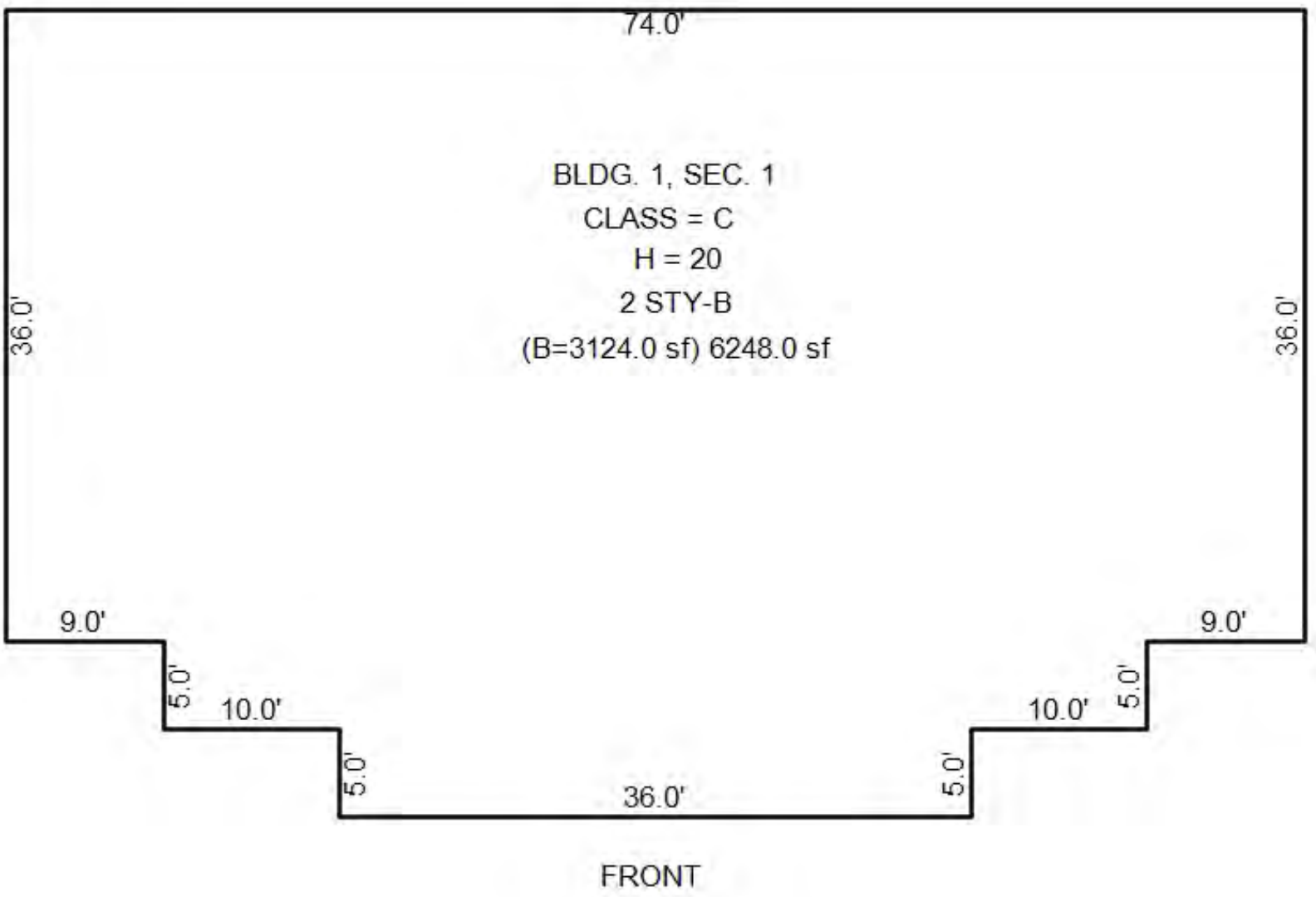
(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***



*** Information herein deemed reliable but not guaranteed***

2000 COMB
3-28-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
COMMERCIAL APPRAISAL RECORD

BETWEEN AGNES
AND E LAFAYETTE
L.V.M. 464
ZONING
STREET ALLEY
___ WIDTH ___
___ PAVED ___
___ UNPAVED ___

LAND DIMENSIONS	
FRONT	DEEP

WD 15 ITEM 7484-6
HOUSE NO. 1023-1031
W FIELD 64, 61 & 60
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 150 x 180

GENERAL NOTATIONS
5 UNITS

MISC. IMPROVEMENTS

ASSM NO.	USE	TYPE	AGE	SIZE	RATE

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

FIELD SURVEY_____ TRANS. BY_____ CHECKED_____ D. P. FORM_____

BUILDING DESCRIPTION	SIZE	RATE	AMT.	RATE SQ. FT.
BASE RATE				
BASEMENT				
HEIGHT				
STORE USE				
CONST. SPAN				
CLASS				
EXT. WALLS - FRONT				
EXT. WALLS - SIDE				
RECESSED DISP. - OPEN				
REC. DISP. - CLOSED				
SIDE DISPLAY				
ROOF - TYPE				
ROOF - COVER				
ROOF - JOIST STRUCT.				
FLOOR - TYPE - 1ST				
FLOOR - COVER - 1ST				
FLOOR - TYPE - 2ND				
FLOOR - COVER - 2ND				
INT. FIN.				
CEILING MAT'L				
ATT. - SUSP.				
PARTITION MAT'L				
HEAT - 1ST				
HEAT - 2ND				
LIGHTS - 1ST				
LIGHTS - 2ND				
NO. OF STORES				
NO. OF APTS.				
LAVS. LOCATION FL. W.				
BATHS FL. W.				
TOTAL FLAT AMOUNT				
TOTAL BUILDING RATE				

TYPE_____ STY. HT._____ AGE_____ CARD____ OF____

AREA COMPUTATIONS

DEPR._____ COND._____ FUNCT._____ ECON._____

Parcel Number: 15007487-8 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1005 FIELD	School: DETROIT PUBLIC SCHOOLS		ALTERATION/RENOVATION	10/30/2006	094555	PERMIT COM
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	100.00	150.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		15,000.000	Sq Ft		1.00	100		15,000

* denotes lines that do not contribute to the total acreage calculation.

100 Actual Front Feet, 0.34 Total Acres Total Est. Land Value = 15,000

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Tax Description

W FIELD 57 E 120 FT OF 56MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 100 IRREG

Comments/Influences

Who	When	What
TYL	07/25/2016	TYL-ADV RE

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many Avg. Few	X	Large Avg. Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

X	Gable Hip Flat		Gambrel Mansard Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

X	Drywall Paneled		Plaster Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1107 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
X	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas Wood		Oil Coal		Elec. Steam	

	Forced Air w/o Ducts
	Forced Air w/ Ducts
X	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

2	Average Fixture(s)
	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,262
Total Base New : 246,556 E.C.F.
Total Depr Cost: 216,970 X 0.245
Estimated T.C.V: 53,158

(16) Porches/Decks

Area	Type
32	WCP (1 Story)
33	WCP (1 Story)
88	WCP (1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

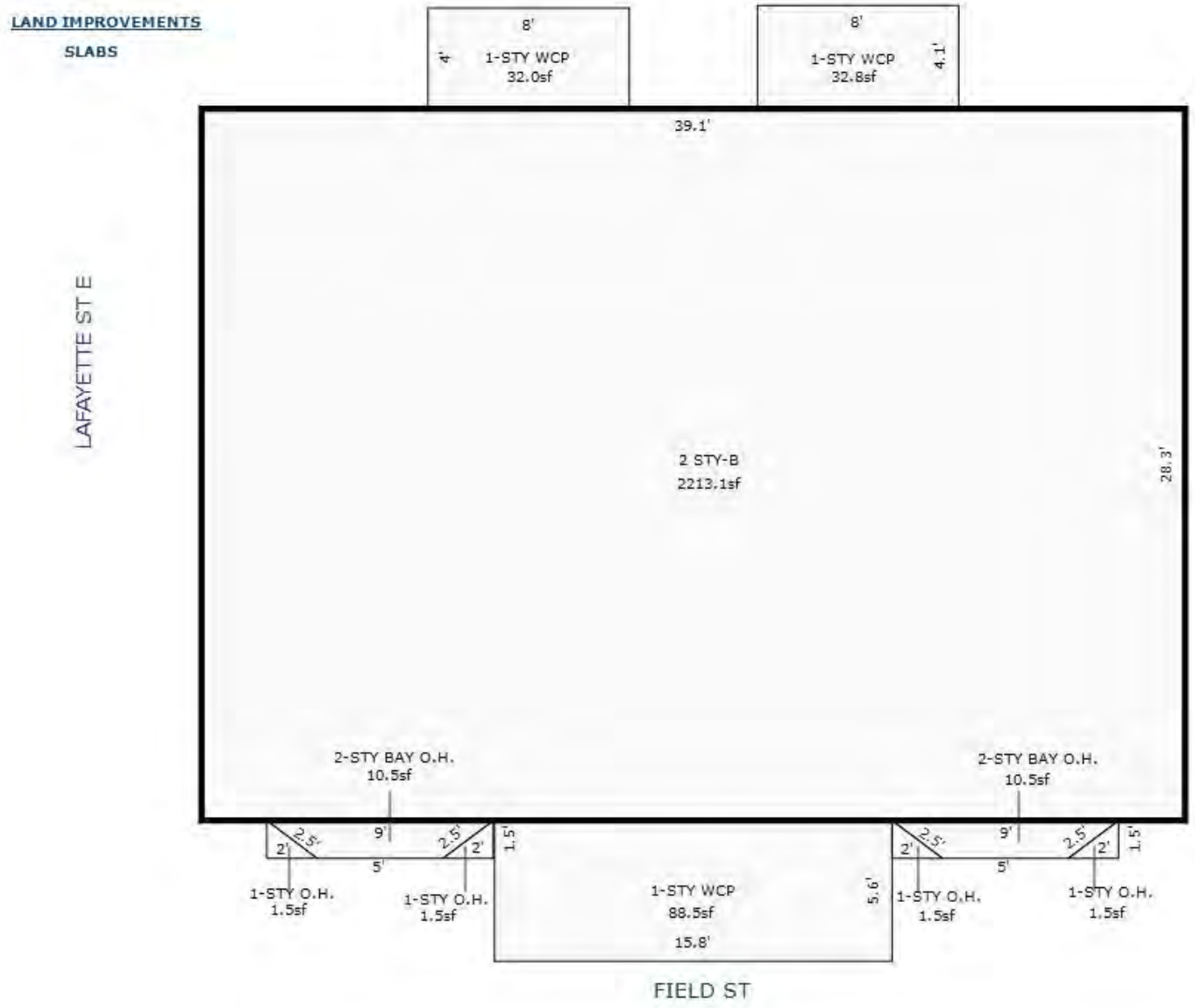
Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1997
(11) Heating System: Forced Hot Water
Ground Area = 1107 SF Floor Area = 2262 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,107		
2 Story	Siding	Overhang	10		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
2 Story	Siding	Overhang	10		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
		Total:		234,567	206,419
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			1	4,020	3,538
Porches					
WCP (1 Story)			32	2,027	1,784
WCP (1 Story)			33	2,072	1,823
WCP (1 Story)			88	3,870	3,406
		Totals:		246,556	216,970

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 53,158



*** Information herein deemed reliable but not guaranteed***

DUPLEX

USE 132 STY. HT 2.0 EXT. WALLS ALUM AGE 1997 AREA 1135 CLASS C/S

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.		USE	ASSM STATUS	STORY HEIGHT		STRU. CODE	AREA	YEAR BUILT	DEP	RATE	COND	FUNCT.	ECON.	F
15-18		19-21	22-24	25-27		28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001	D	132	000	02	D	31	1106	1997	01					
002	D	151	000	12	D	31	21	1997	01					
003	L	151	000	01	L	31	8	1997	01					

BUILDING DESCRIPTION

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. BR. CONC. SLAB	
BASEMENT: NO FULL PART X	
ROOF: ASPH. COMP. WD. OTHER	
FIREPLACE: NO 0 NAT. DOUBLE	
HEAT: STOVE FL. FURN. WALL FURN. HAG. FHA STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. 2 LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND. YES NO TONNAGE NO	

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	1152	3.00	456

TRANSER TO APPRAISAL REPORT FORM TOTAL

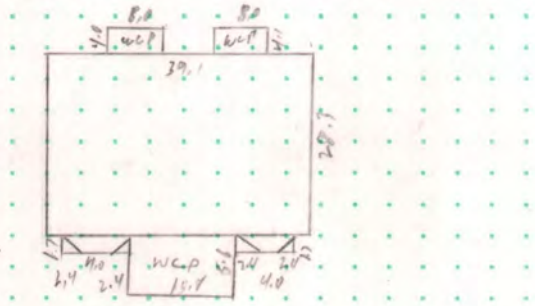
NO GARAGE AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL _____

SKETCH



AREA COMPUTATIONS

PORCH COMPUTATIONS

MISC. STRUCTURES

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN AGNES
AND E LAFAYETTE
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP

WD 15 ITEM ~~7488~~
HOUSE NO. 1005-1007 7487-8
W FIELD E 120 FT OF SL
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, WCR
15/100 50 X 120

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM NO	LAND USE	ASSM STATUS	L V M	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
001	L	0132	000	464	61	50.00	120.00			

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
CUBED	10-28-97	ER		

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER_____ STY. HT. 1 1½ 2 2½ GAR YES NO
BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER_____

DATE	19 97	19	19	19	19	19	19
APPR. BY	ERD						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY_____ TRANS. BY_____ CHECKED_____ D. P. FORM_____

Parcel Number: 15007531. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
		20,000	11/01/1996	WD	NO CONSIDERATION	96329:01310	PTA	0.0
		20,000	03/01/1992	LC	VALID ARMS LENGTH	25856:04660	PTA	0.0

Property Address

232 E GRAND BLVD

Owner's Name/Address

FIELD STREET LDHA LP
231 E GRAND BLVD
DETROIT MI 48207

Tax Description

E E GRAND BLVD 58 MOSES W FIELDS 2ND SUB L10 P10 PLATS, W C R 15/100 50X155

Comments/Influences

Class: 401-RESIDENTIAL Zoning: R5

School: DETROIT PUBLIC SCHOOLS

P.R.E. 0%

WARD#: 15

2020 Est TCV Tentative

Building Permit(s)	Date	Number	Status

X Improved | Vacant

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who	When	What
TYL	07/25/2016	TYL-ADV RE

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	50.00	155.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		7,750.000 Sq Ft			1.00	100		7,750

* denotes lines that do not contribute to the total acreage calculation.

50 Actual Front Feet, 0.18 Total Acres Total Est. Land Value = 7,750

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: LARGE FLATS

Yr Built	Remodeled
1908 2	0

Condition: Good

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

	Wood/Shingle
	Aluminum/Vinyl
X	Brick
	Insulation

(2) Windows

X	Many	X	Large
	Avg.		Avg.
	Few		Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

	Gable		Gambrel
	Hip		Mansard
X	Flat		Shed

X	Asphalt Shingle

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall		Plaster
	Paneled		Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 2263 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

2200	Recreation	SF
	Living	SF
	Walkout Doors	
	No Floor	SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas		Oil		Elec.
	Wood		Coal		Steam

X	Forced Air w/o Ducts
	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

	Average Fixture(s)
4	3 Fixture Bath
1	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 57
Floor Area: 4,526
Total Base New : 477,049 E.C.F.
Total Depr Cost: 198,477 X 0.245
Estimated T.C.V: 48,627

(16) Porches/Decks

Area	Type
135	WCP (1 Story)
176	WCP (1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

Bsmnt Garage:

Carport Area:
Roof:

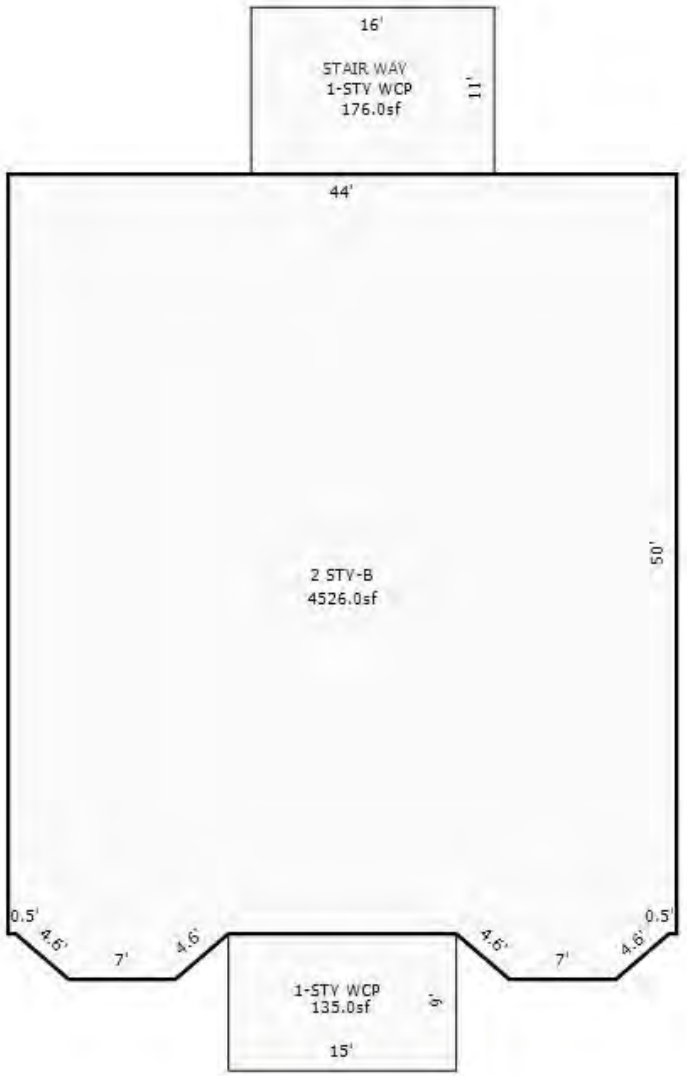
Cost Est. for Res. Bldg: 1 Single Family LARGE FLATS Cls C Blt 1908
(11) Heating System: Forced Air w/o Ducts
Ground Area = 2263 SF Floor Area = 4526 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=45/100/100/100/45
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Brick	Basement	2,263		
			Total:	413,868	186,240
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			3	12,059	5,427
2 Fixture Bath			1	2,690	1,210
Porches					
WCP (1 Story)			135	5,246	2,361
WCP (1 Story)			176	6,380	2,871
Recreation Room			2200	36,806	368
			Totals:	477,049	198,477

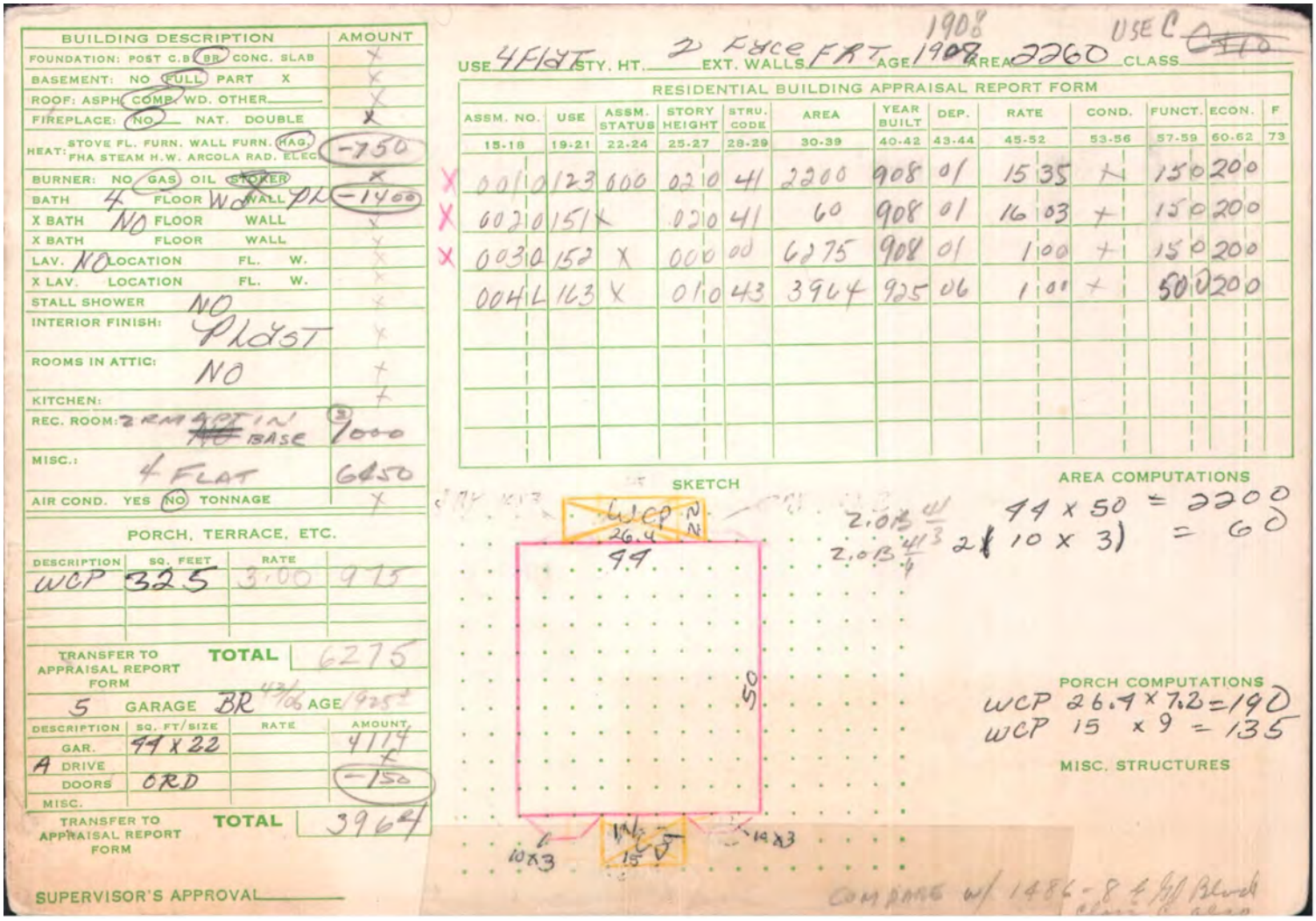
Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 48,627

LAND IMPROVEMENTS

SLABS



*** Information herein deemed reliable but not guaranteed***



USE 4 FLAT STY. HT. 2 EXT. WALLS FRT AGE 1908 AREA 2260 CLASS USE C

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B (BR) CONC. SLAB	X
BASEMENT: NO (FULL) PART X	X
ROOF: ASPH (COMP) WD. OTHER	X
FIREPLACE: (NO) NAT. DOUBLE	X
HEAT: STOVE FL. FURN. WALL FURN. (HAG) FHA STEAM H.W. ARCOLA RAD. ELEC	-750
BURNER: NO (GAS) OIL STOKER	X
BATH 4 FLOOR WO WALL PL	-1400
X BATH NO FLOOR WALL	X
X BATH FLOOR WALL	X
LAV. NO LOCATION FL. W.	X
X LAV. LOCATION FL. W.	X
STALL SHOWER NO	X
INTERIOR FINISH: PLAST	X
ROOMS IN ATTIC: NO	X
KITCHEN:	X
REC. ROOM: 2 RM ~~APT~~ IN BASE (3)	1000
MISC.: 4 FLAT	6450
AIR COND. YES (NO) TONNAGE	X

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	325	3.00	975

TRANSFER TO APPRAISAL REPORT FORM **TOTAL** 6275

5 GARAGE BR 43/06 AGE 1925

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.	44 X 22		4114
A DRIVE			X
DOORS	ORD		-150
MISC.			

TRANSFER TO APPRAISAL REPORT FORM **TOTAL** 3964

SUPERVISOR'S APPROVAL

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

	ASSM. NO.	USE	ASSM. STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP.	RATE	COND.	FUNCT.	ECON.	F
	15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
X	0010	123	000	0210	41	2200	908	01	15 35	+	150	200	
X	0020	151	X	0210	41	60	908	01	16 03	+	150	200	
X	0030	152	X	000	00	6275	908	01	1 00	+	150	200	
	004L	163	X	010	43	3964	925	06	1 00	+	50	200	

SKETCH

AREA COMPUTATIONS

44 x 50 = 2200
2 (10 x 3) = 60

PORCH COMPUTATIONS

WCP 26.4 x 7.2 = 190
WCP 15 x 9 = 135

MISC. STRUCTURES

COMPARE W/ 1486-8 & 911 Blvd

69-88
FIELD
GRANTED W

JUN 25 1969

MAY 17 1971

JAN 26 1972

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN Lafayette
AND Agnes
L.V.M.
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP

BOOK 03 WARD 15 ITEM 7531.

HOUSE NO. 232-4 238-240

E GRD BLVD E 58
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 50 X 155

GENERAL NOTATIONS

8370

LAND APPRAISAL REPORT FORM

ASSM. NO.		LAND USE	ASSM. STATUS	L.V.M.	ZON-ING	FRONT		DEPTH		RATE		OBSOL. #1	OBSOL. #2	OBSOL. #3
15-18		19-21	22-24	25-27	28-29	30-39		40-44		45-52		53-56	57-59	60-62
001	L	012	000	464	05	50	00	155	00	80	00	X	X	X

240

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

BUILDING IMP. SINGLE INCOME 2-3-(4)-5-6-7 (FLAT) OTHER____ STY. HT. 1 1½ (2) 2½ GAR. (YES) NO
BSMT.: NO PART (FULL) EXT. WALLS FR. ASB. ASPH. ALUM. FACE 4 (FACE FRT.) H.B.COM. OTHER____

DATE	1966	1969	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

FIELD SURVEY ____ TRANS. BY CW CHECKED TBm D. P. FORM ____

D.
A. Apt ~~20%~~ 10/2
25%

NOTES
~~F. 46%~~ (5) ~~23%~~
DIST. ~~20%~~
A. APT. 10/25
E - 15%
A APT - 10/2 %
FUNCT. 15
20%

Parcel Number: 15007532. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
		7,427	03/01/1992	WD	NO CONSIDERATION	25804:03510	REG DEEDS	0.0

Property Address
236 E GRAND BLVD

Owner's Name/Address
FIELD STREET II LDHA LP
231 E GRAND BLVD
DETROIT MI 48207-3739

Tax Description
E E GRAND BLVD 59MOSES W FIELDS 2ND SUB L10 P10 PLATS, W C R 15/100 50X155

Comments/Influences

Class: 401-RESIDENTIAL Zoning: R5
School: DETROIT PUBLIC SCHOOLS
P.R.E. 0%
WARD#: 15
2020 Est TCV Tentative

Building Permit(s)	Date	Number	Status
ALTERATION/RENOVATION	11/29/2006	94553	PERMIT COM

X Improved | Vacant

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who When What

Land Value Estimates for Land Table CGLT.COMMERCIAL GENERAL LOW TRAFFIC

Description	Frontage	* Factors * Depth	Front	Depth	Rate	%Adj.	Reason	Value
cglt sq ft rates		7,754.000 Sq Ft			0.65	100		5,021
		0.18 Total Acres			Total Est. Land Value =			5,021

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Desc. of Bldg/Section: BLDG. 1, SEC. 1
Calculator Occupancy: Multiple Residences

Class: C
Floor Area: 3,760
Gross Bldg Area: 3,760
Stories Above Grd: 2
Average Sty Hght : 10
Bsmnt Wall Hght : 8

Depr. Table : 1.75%
Effective Age : 25
Physical %Good: 64
Func. %Good : 100
Economic %Good: 100

1992 Year Built Remodeled

20 Overall Bldg Height

Comments:

Construction Cost

	High		Above Ave.	X	Ave.		Low

** ** Calculator Cost Data ** **
Quality: Average
Heat#1: Complete H.V.A.C. 100%
Heat#2: Electric, Cable or Baseboard 0%
Ave. SqFt/Story: 1880
Total # Units: 180
Has Elevators:

*** Basement Info ***
Area: 1880
Perimeter: 180
Type: Unfinished Basement
Heat: No Heating or Cooling

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average
Total Floor Area: 3760 # of Units: 180
Overall Building Height: 20

Base Rate for Upper Floors = 92.84
Unfinished Basement Basement, Base Rate for Basement = 30.07
(Basement Fireproofing Rate = 0.00)

(10) Heating system: Complete H.V.A.C. Cost/SqFt: 16.91 100%
Bsmnt Heating system: No Heating or Cooling Cost/SqFt: 0.00
Adjusted Square Foot Cost for Upper Floors = 109.75
Adjusted Square Foot Cost for Basement = 30.07

Total Floor Area: 3,760 Base Cost New of Upper Floors = 412,660
Basement Area: 1,880 Base Cost New of Basement = 56,532

Reproduction/Replacement Cost = 469,192
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 300,283

<<<<< Segregated Cost Computations >>>>>
Costs taken from Segregated Cost Section 2: Multiples & Motels

Item Desciption	Cost Col.	Rate	# or SqFt	Height Adj.	Storys Adj.	Cost

Total Cost New = 0
<<<<< Calculations too long. See Valuation printout for complete pricing. >>>>>

(1) Excavation/Site Prep:

(2) Foundation:

	Footings				
X	Poured Conc.		Brick/Stone		Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures		Urinals
	3-Piece Baths		Wash Bowls
	2-Piece Baths		Water Heaters
	Shower Stalls		Wash Fountains
	Toilets		Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

	Outlets:		Fixtures:
	Few		Few
	Average		Average
	Many		Many
	Unfinished		Unfinished
	Typical		Typical
	Flex Conduit		Incandescent
	Rigid Conduit		Fluorescent
	Armored Cable		Mercury
	Non-Metalic		Sodium Vapor
	Bus Duct		Transformer

(13) Roof Structure: Slope=0

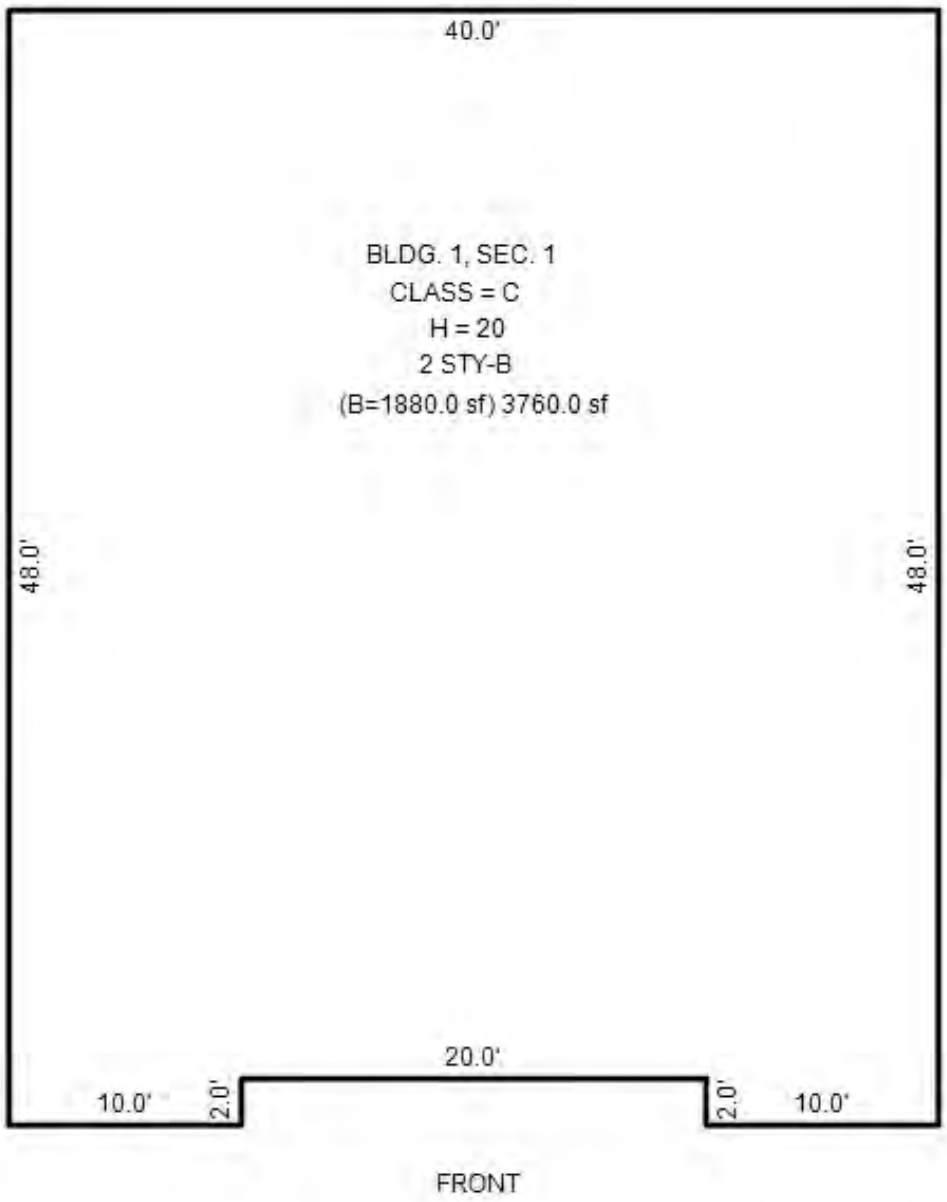
(14) Roof Cover:

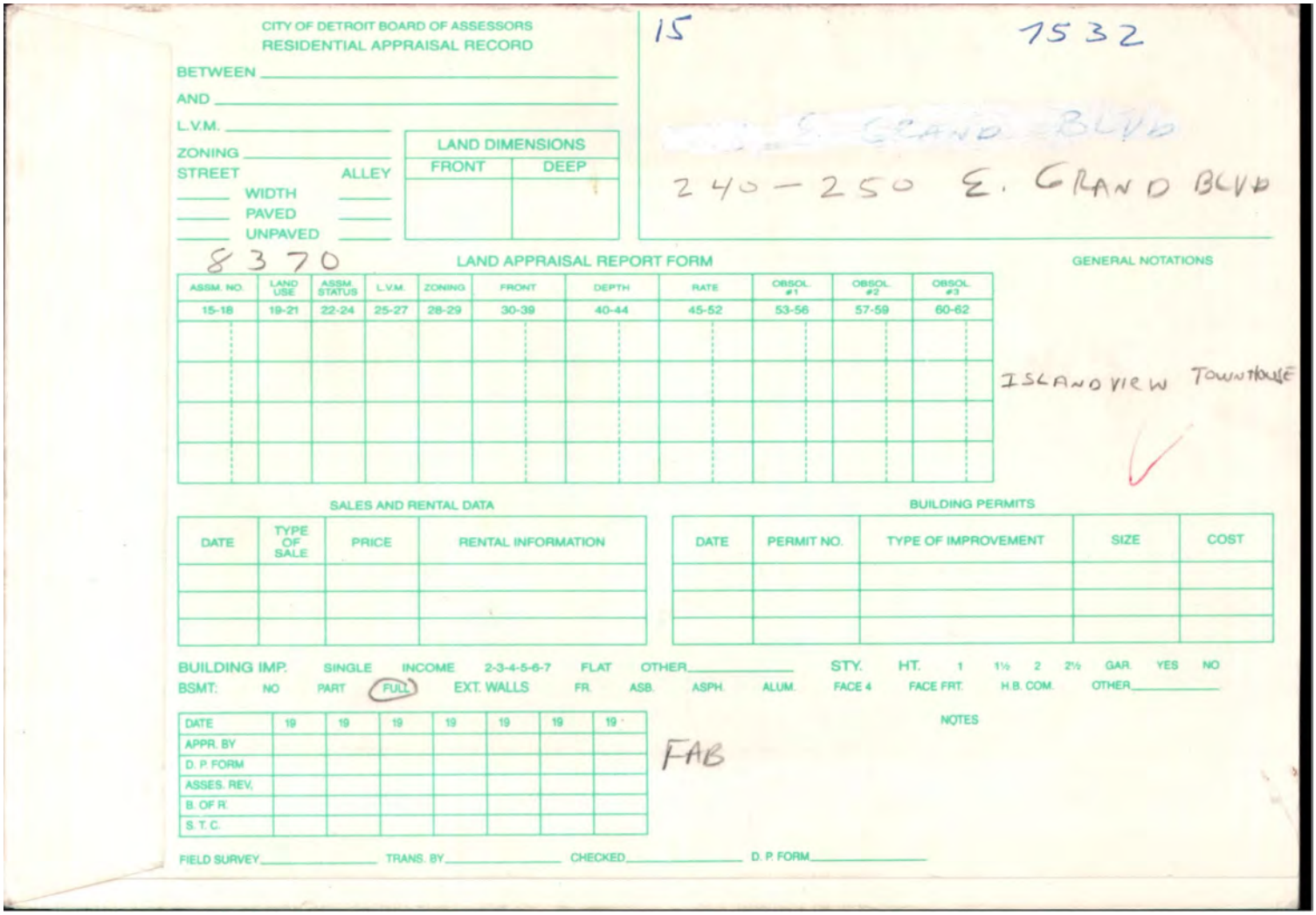
(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***





CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

15 1532

BETWEEN _____
AND _____
L.V.M. _____
ZONING _____
STREET _____ ALLEY _____
_____ WIDTH _____
_____ PAVED _____
_____ UNPAVED _____

LAND DIMENSIONS	
FRONT	DEEP

[illegible] E. GRAND BLVD
240–250 E. GRAND BLVD

8370

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM. NO.	LAND USE	ASSM STATUS	L.V.M.	ZONING	FRONT	DEPTH	RATE	OBSOL. #1	OBSOL. #2	OBSOL. #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62

ISLAND VIEW TOWNHOUSE

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER_____ STY. HT. 1 1½ 2 2½ GAR. YES NO
BSMT: NO PART (FULL) EXT. WALLS FR. ASB. ASPH. ALUM. FACE 4 FACE FRT. H.B. COM. OTHER_____

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FAB

FIELD SURVEY_____ TRANS. BY_____ CHECKED_____ D. P. FORM_____

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST (C.B.) BR. CONC. SLAB	
BASEMENT: NO (FULL) PART X	
ROOF: (ASPH.) COMP. WD. OTHER	
FIREPLACE: NO ____ NAT. DOUBLE	
HEAT: STOVE FL. FURN. WALL FURN. HAG. (FHG) STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO (GAS) OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND (YES) NO TONNAGE 4T	1200

PORCH, TERRACE, ETC.			
DESCRIPTION	SQ. FEET	RATE	
TRANSER TO APPRAISAL REPORT FORM		TOTAL	

GARAGE AGE			
DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			
TRANSFER TO APPRAISAL REPORT FORM		TOTAL	

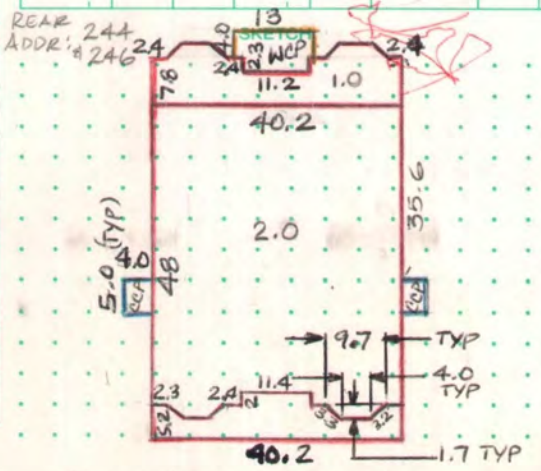
SUPERVISOR'S APPROVAL _____

USE _____ STY. HT _____ EXT. WALLS FAB AGE 1946 AREA _____ CLASS _____

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP.	RATE	COND.	FUNCT.	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73

REAR ADDR: 244 & 246



FRONT ADDR: 240 & 250

AREA COMPUTATIONS

2.0 B 41/3 40.2 x 48 = 1930.
ED. 11.4 x 2 = 22.8
1907 ☐

1.0 B 41/2 40.2 x 7.8 = 314
DED. 11.2 x 2.3 = 25.8
288 ☐

PORCH COMPUTATIONS

WCP 5.2 x 40.2 = 209
2.0 x 11.4 = 22.8
DED BAYS 2(11.8) = -23.6
208 ☐

CCP 2(4.0 x 5.0) = 40 ☐

~~MISC. STRUCTURES~~

WCP 13 x 4 = 52
11.2 x 2.3 = 25.76
78 ☐

BAYS 4(4 x 1.7) 27.2
8(2.85 x 1.7)/2 = 19.4
47 ☐

Parcel Number: 15007533. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
MESSIAH HOUSING CORPORATIO	FIELD STREET II LDHALP	68,300	01/21/1997	QC	MULTI PARCEL INVALID		REG DEEDS	0.0

Property Address

238 E GRAND BLVD

Owner's Name/Address

FIELD STREET II LDHA LP
231 E GRAND BLVD
DETROIT MI 48207

Tax Description

E E GRAND BLVD S 25 FT OF 62MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 25 X 155

Comments/Influences

Class: 401-RESIDENTIAL Zoning: R5

School: DETROIT PUBLIC SCHOOLS

P.R.E. 0%

WARD#: 15

2020 Est TCV Tentative

Building Permit(s)	Date	Number	Status

	Improved	X	Vacant

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who	When	What

Land Value Estimates for Land Table CGLT.COMMERCIAL GENERAL LOW TRAFFIC

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	25.00	155.00	1.0000	0.0000	0	100*		0
cglt sq ft rates		3,880.000	Sq Ft		0.70	100		2,731

* denotes lines that do not contribute to the total acreage calculation.

25 Actual Front Feet, 0.09 Total Acres Total Est. Land Value = 2,731

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	700	0	700			612C
2017	700	0	700			600C

*** Information herein deemed reliable but not guaranteed***

Parcel Number: 15007534. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
240 E GRAND BLVD	School: DETROIT PUBLIC SCHOOLS		ALTERATION/RENOVATION	10/30/2006	094553	PERMIT COM
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

Tax Description

E E GRAND BLVD N 25 FT OF 62 63MOSES W FIELDS 2ND SUB L10 P10 PLATS W C R 15/100 75 X 155

Comments/Influences

X	Improved	
	Vacant	

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who When What

Land Value Estimates for Land Table CGLT.COMMERCIAL GENERAL LOW TRAFFIC

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	75.00	155.00	1.0000	0.0000	0	100*		0
cglt sq ft rates		11,625.000	Sq Ft		0.61	100		7,131

* denotes lines that do not contribute to the total acreage calculation.

75 Actual Front Feet, 0.27 Total Acres Total Est. Land Value = 7,131

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Desc. of Bldg/Section: BLDG. 1, SEC. 1
Calculator Occupancy: Multiple Residences

Class: C
Floor Area: 3,760
Gross Bldg Area: 3,760
Stories Above Grd: 2
Average Sty Hght : 10
Bsmnt Wall Hght : 8

Depr. Table : 1.75%
Effective Age : 25
Physical %Good: 64
Func. %Good : 100
Economic %Good: 100

1992 Year Built Remodeled

20 Overall Bldg Height

Comments:

Construction Cost

	High		Above Ave.	X	Ave.		Low

** ** Calculator Cost Data ** **
Quality: Average
Heat#1: Complete H.V.A.C. 100%
Heat#2: Electric, Cable or Baseboard 0%
Ave. SqFt/Story: 1880
Total # Units: 132
Has Elevators:

*** Basement Info ***
Area: 1880
Perimeter: 132
Type: Unfinished Basement
Heat: No Heating or Cooling

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average
Total Floor Area: 3760 # of Units: 132
Overall Building Height: 20

Base Rate for Upper Floors = 87.18
Unfinished Basement Basement, Base Rate for Basement = 28.24
(Basement Fireproofing Rate = 0.00)

(10) Heating system: Complete H.V.A.C. Cost/SqFt: 15.88 100%
Bsmnt Heating system: No Heating or Cooling Cost/SqFt: 0.00
Adjusted Square Foot Cost for Upper Floors = 103.06
Adjusted Square Foot Cost for Basement = 28.24

Total Floor Area: 3,760 Base Cost New of Upper Floors = 387,505
Basement Area: 1,880 Base Cost New of Basement = 53,091

Reproduction/Replacement Cost = 440,596
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 64 /100/100/100/64.0
Total Depreciated Cost = 281,981

<<<<< Segregated Cost Computations >>>>>
Costs taken from Segregated Cost Section 2: Multiples & Motels

Item Desciption	Cost Col.	Rate	# or SqFt	Height Adj.	Storys Adj.	Cost

Total Cost New = 0

<<<<< Calculations too long. See Valuation printout for complete pricing. >>>>>

(1) Excavation/Site Prep:

(2) Foundation:
	Footings
X	Poured Conc.
	Brick/Stone
	Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures		Urinals
	3-Piece Baths		Wash Bowls
	2-Piece Baths		Water Heaters
	Shower Stalls		Wash Fountains
	Toilets		Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
	Few	Few
	Average	Average
	Many	Many
	Unfinished	Unfinished
	Typical	Typical
	Flex Conduit	Incandescent
	Rigid Conduit	Fluorescent
	Armored Cable	Mercury
	Non-Metalic	Sodium Vapor
	Bus Duct	Transformer

(13) Roof Structure: Slope=0

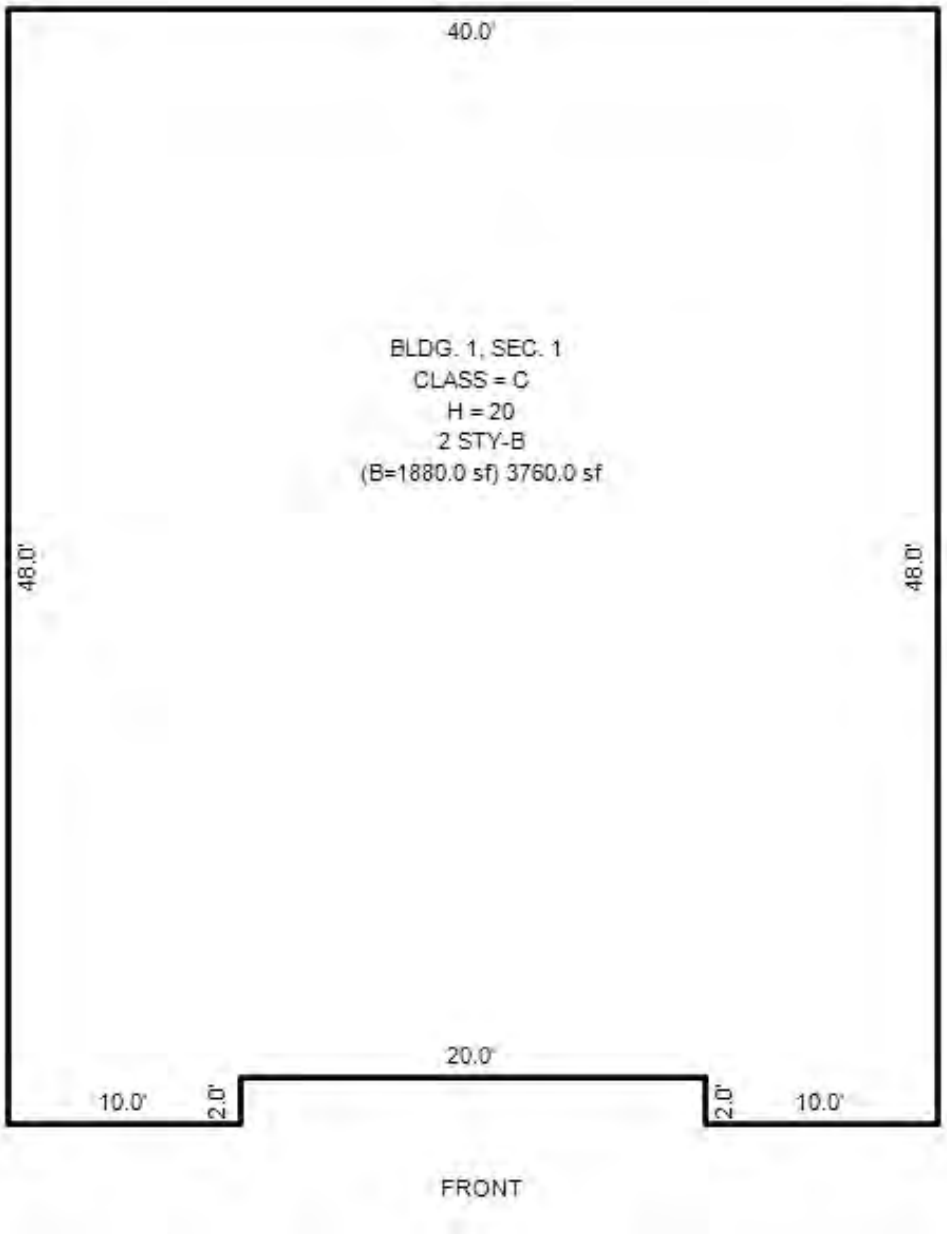
(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***



*** Information herein deemed reliable but not guaranteed***

2000 COMB
3-28-00LK

CITY OF DETROIT BOARD OF ASSESSORS
COMMERCIAL APPRAISAL RECORD

BETWEEN E LAFAYETTE
AND AGNES
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP

WD IS ITEM 7534
HOUSE NO. 240-250
E E GRAND BLVD N 25 FT - 62
63
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 75 x 155

GENERAL NOTATIONS
4 UNITS

MISC. IMPROVEMENTS

ASSM NO.	USE	TYPE	AGE	SIZE	RATE

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

BUILDING DESCRIPTION	SIZE	RATE	AMT.	RATE SQ. FT.
BASE RATE				
BASEMENT				
HEIGHT				
STORE USE				
CONST. SPAN				
CLASS				
EXT. WALLS - FRONT				
EXT. WALLS - SIDE				
RECESSED DISP. - OPEN				
REC. DISP. - CLOSED				
SIDE DISPLAY				
ROOF - TYPE				
ROOF - COVER				
ROOF - JOIST STRUCT.				
FLOOR - TYPE - 1ST				
FLOOR - COVER - 1ST				
FLOOR - TYPE - 2ND				
FLOOR - COVER - 2ND				
INT. FIN.				
CEILING MAT'L				
ATT. - SUSP.				
PARTITION MAT'L				
HEAT - 1ST				
HEAT - 2ND				
LIGHTS - 1ST				
LIGHTS - 2ND				
NO. OF STORES				
NO. OF APTS.				
LAVS. LOCATION FL. W.				
BATHS FL. W.				
TOTAL FLAT AMOUNT				
TOTAL BUILDING RATE				

TYPE_____ STY. HT._____ AGE_____ CARD____ OF____

AREA COMPUTATIONS

DEPR._____ COND._____ FUNCT._____ ECON._____

Parcel Number: 17013513. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
		1,000	08/01/1971	WD	VALID ARMS LENGTH	00046:07130	PTA	0.0

Property Address

1014 FIELD

Owner's Name/Address

ISLAND VIEW VILLAGE PHASE II
231 E GRAND BLVD
DETROIT MI 48207-3739

Tax Description

E FIELD N 10 FT 2 3 MOSES W FIELDS SUB L8 P37 PLATS, W C R 17/40 40 X 125

Comments/Influences

Class: 401-RESIDENTIAL Zoning: R5

School: DETROIT PUBLIC SCHOOLS

P.R.E. 0%

WARD#: 17

2020 Est TCV Tentative

Building Permit(s)	Date	Number	Status

X Improved | Vacant

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who	When	What
TYL	07/27/2016	TYL-ADV RE

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	40.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		5,000.000 Sq Ft			1.00	100		5,000

* denotes lines that do not contribute to the total acreage calculation.

40 Actual Front Feet, 0.12 Total Acres Total Est. Land Value = 5,000

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many Avg. Few	X	Large Avg. Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

X	Gable Hip Flat		Gambrel Mansard Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall Paneled		Plaster Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1130 S.F.
Crawl: 0 S.F.
Slab: 10 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas Wood		Oil Coal		Elec. Steam	

	Forced Air w/o Ducts
X	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

2	Average Fixture(s)
	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,292
Total Base New : 243,492 E.C.F.
Total Depr Cost: 214,273 X 0.245
Estimated T.C.V: 52,497

(16) Porches/Decks

Area	Type
25	WCP (1 Story)
45	WCP (1 Story)
90	WCP (1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1997
(11) Heating System: Forced Air w/ Ducts
Ground Area = 1140 SF Floor Area = 2292 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

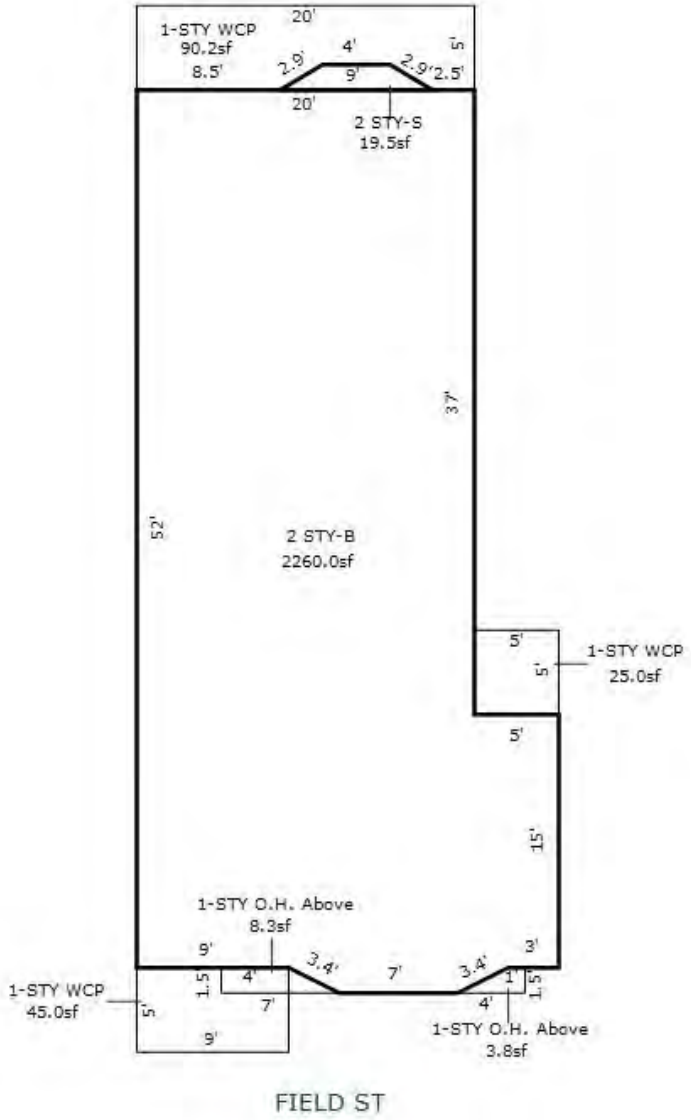
Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,130		
2 Story	Siding	Slab	10		
1 Story	Siding	Overhang	8		
1 Story	Siding	Overhang	4		
		Total:		231,354	203,591

Other Additions/Adjustments

Plumbing				
3 Fixture Bath	1	4,020	3,538	
Porches				
WCP (1 Story)	25	1,683	1,481	
WCP (1 Story)	45	2,520	2,218	
WCP (1 Story)	90	3,915	3,445	
	Totals:	243,492	214,273	

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 52,497

LAND IMPROVEMENTS
SLABS



*** Information herein deemed reliable but not guaranteed***

JUN 25 1970

MAY 12 1971

NOV. 23 1971

73-2019 FIELD Grant 2-27-73 KP

CITY OF DETROIT BOARD OF ASSESSORS

RESIDENTIAL APPRAISAL RECORD

BETWEEN LAFAYETTE

AND AGNES

L.V.M.

ZONING

STREET — WIDTH — PAVED — UNPAVED — ALLEY

LAND DIMENSIONS	
FRONT	DEEP

BOOK 05 WARD 17 ITEM 13513.

HOUSE NO. 1014-16

E FIELD N 10 FT 2 3

MOSES W FIELDS SUB
L8 P37 PLATS, W C R
17/40 40 X 125

8510

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

9-96 ADJ COM 60% VV

ASSM. NO. 15-18	LAND USE 19-21	ASSM. STATUS 22-24	L.V.M. 25-27	ZONING 28-29	FRONT 30-39	DEPTH 40-44	RATE 45-52	OBSOL. #1 53-56	OBSOL. #2 57-59	OBSOL. #3 60-62
001 L	012	000	464	05	40 00	125 00	~~45 00~~ 48 00	X	X	20

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
~~8-17-71~~	~~62009~~	~~fire repair dwlg~~		~~2000~~
~~8-20-75~~	~~17538~~	~~[illegible]~~		~~3000~~
~~4-12-76~~	~~24193~~	~~FIRE DAMAGE~~		~~2000~~

BUILDING IMP. SINGLE INCOME (2)-3-4-5-6-7 (FLAT) OTHER STY. HT. 1 1½ (2) 2½ GAR. (YES) NO

BSMT.: NO PART (FULL) EXT. WALLS FR. ASB. (ASPH.) ALUM. FACE 4 FACE FRT. H.B.COM. OTHER

DATE	1966	1971	1982	1996	19	19	19
APPR. BY	[illegible]	[illegible]	POS	KT9			
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

~~F-30~~

F-20

MA 10%

FIELD SURVEY ____ TRANS. BY RG CHECKED [illegible] D. P. FORM ____

17013513. 1014 FIELD Field Record Card

BUILDING DESCRIPTION

	AMOUNT
FOUNDATION: POST C.B. BR. CONC. SLAB	
BASEMENT: NO FULL PART X	
ROOF ASPH. COMP. WD. OTHER	
FIREPLACE: NO NAT. DOUBLE	
HEAT: STOVE FL. FURN. WALL FURN. HAD FHA STEAM H.W. ARCOLA RAD. ELEC.	300
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WAINSCOT	700
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. NO LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER NO	
INTERIOR FINISH: PLAST.	
ROOMS IN ATTIC: NO	
KITCHEN:	
REC. ROOM: NO	
MISC.: 2 FLAT	2800
AIR COND. YES (NO) TONNAGE	

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	43	3.00	129
2ND FL WCP	42	1.50	193
CCP	115	3.60	462

TRANSFER TO APPRAISAL REPORT FORM — TOTAL 2424

3 GARAGE FR — AGE 1910

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.	24 x 18		1100
DRIVE			
DOORS	OPD		90
MISC.			

TRANSFER TO APPRAISAL REPORT FORM — TOTAL 910

SUPERVISOR'S APPROVAL

USE 3 FLAT STY. HT. 2 EXT. WALLS ASPH AGE 1910 AREA ~~1324~~ 1300 CLASS C

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM. STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP.	RATE	COND.	FUNCT.	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
0010	121	000	02	31	935	910	01	16	74 (60)	VV	200	100
0020	151	+	02	31	279	910	01	16	49	+	200	100
0030	151	+	01	31	115	910	01	10	99	+	200	100
004 L	152	+	00	00	2424	910	01	1	00	+	200	100
~~0050~~	~~163~~	+	01	17	910	910	88	1	00	+	~~X~~	R

SKETCH

AREA COMPUTATIONS

(2.0+.50) 2.2B 3/1
26.5 x 31.8 = 843
26.5 x 10.5 = 215
12.5 x 3 = 38
2 x (11.8+13.8)/2 = 26

(2.0+.25) 2.1B 3/1
5 x 3 = 15
6 x 5.5 = 33
11.1 x 6 = 67
15.4 x 6 = 92

1.0B 3/1

(2.0+.50) 2.2B 3/1 →

PORCH COMPUTA
WCP 8.6 x 5 = 43
2ND FL WCP 11.1 x 6 = 67
CCP 8 x 5 = 40
6 x 10 = 60
MISC STRUCTURES
4 x 5 = 20
DED 3 x 3/2 = -5

Parcel Number: 17013520-1 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1070 FIELD	School: DETROIT PUBLIC SCHOOLS					
Owner's Name/Address	P.R.E. 0%					
ISLAND VIEW VILLAGE PHASE II 231 E GRAND BLVD DETROIT MI 48207-3739	WARD#: 17					
	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	70.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		8,750.000 Sq Ft		1.00	100			8,750

* denotes lines that do not contribute to the total acreage calculation.

70 Actual Front Feet, 0.20 Total Acres Total Est. Land Value = 8,750

Public Improvements

- X Paved Road
- X Storm Sewer
- X Sidewalk
- X Water
- X Sewer
- X Electric
- X Gas
- X Street Lights
- X Standard Utilities

Dirt Road, Gravel Road, Curb, Underground Utils.

Topography of Site

- X Level
- X Low

Rolling, High, Landscaped, Swamp, Wooded, Pond, Waterfront, Ravine, Wetland, Flood Plain

Tax Description

E FIELD N 10 FT OF 11 12 & 13 MOSES W FIELDS SUB L8 P37 PLATS W C R 17/40 70 X 125

Comments/Influences

Who	When	What
TYL	07/27/2016	TYL-ADV RE

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many	X	Large
	Avg.		Avg.
	Few		Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

X	Gable		Gambrel
	Hip		Mansard
	Flat		Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall		Plaster
	Paneled		Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1146 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas		Oil		Elec.
	Wood		Coal		Steam

	Forced Air w/o Ducts
X	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

2	Average Fixture(s)
	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,320
Total Base New : 244,174 E.C.F.
Total Depr Cost: 214,875 X 0.245
Estimated T.C.V: 52,644

(16) Porches/Decks

Area	Type	
92	WCP	(1 Story)
26	WCP	(1 Story)
26	WCP	(1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

Bsmnt Garage:

Carport Area:
Roof:

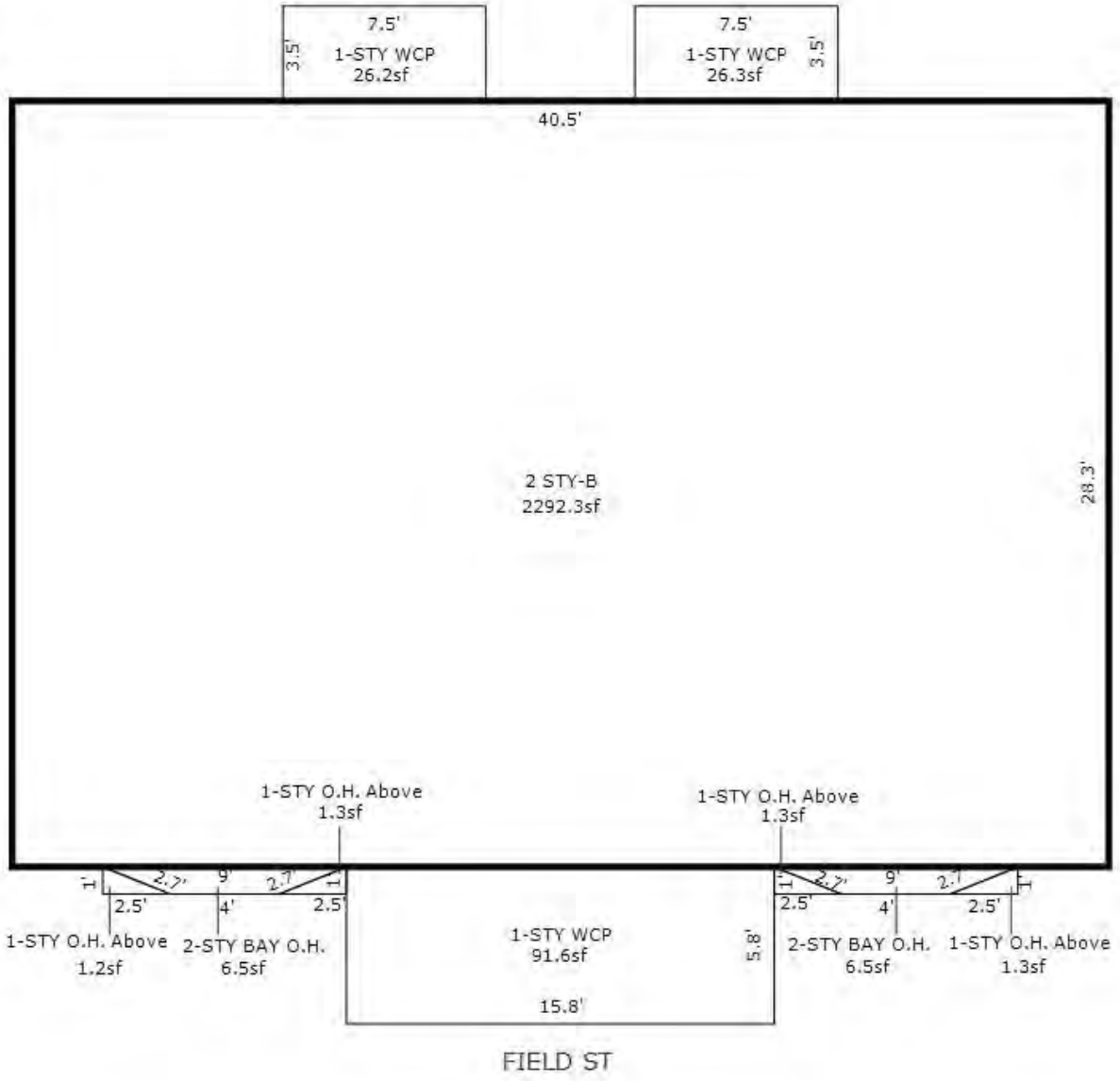
Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1997
(11) Heating System: Forced Air w/ Ducts
Ground Area = 1146 SF Floor Area = 2320 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,146		
2 Story	Siding	Overhang	6		
2 Story	Siding	Overhang	6		
1 Story	Siding	Overhang	1		
1 Story	Siding	Overhang	1		
1 Story	Siding	Overhang	1		
1 Story	Siding	Overhang	1		
		Total:		232,726	204,800

Other Additions/Adjustments

Plumbing			
3 Fixture Bath	1	4,020	3,538
Porches			
WCP (1 Story)	92	3,958	3,483
WCP (1 Story)	26	1,735	1,527
WCP (1 Story)	26	1,735	1,527
Totals:		244,174	214,875

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 52,644



*** Information herein deemed reliable but not guaranteed***

2000 COMB
3-3-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN E LAFAYETTE
AND AGNES
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED
8512

LAND DIMENSIONS	
FRONT	DEEP
70	125

WD 17 ITEM 13520-1
HOUSE NO. 1070-1074
E FIELD N 10 FT OF 11
12 & 13
MOSES W FIELDS SUB
L8 P37 PLATS, WCR
17/40 70 x 125

LAND APPRAISAL REPORT FORM

ASSM NO	LAND USE	ASSM STATUS	L V M	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
		201	464		70 00	125 00				

GENERAL NOTATIONS
CUBED 12-8-99
COLEMAN / WICKERT

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO	TYPE OF IMPROVEMENT	SIZE	COST

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER STY. HT. 1 1½ 2 2½ GAR YES NO
BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER

DATE	19 99	19	19	19	19	19	19
APPR. BY	ETC 12						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

DUPLEX
USE 1320 STY HT 2 EXT WALLS Fr Vinyl AGE 1997 AREA 1170 CLASS C+S

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. BR. (CONC.) SLAB	
BASEMENT: NO (FULL) PART X	
ROOF: (ASPH.) COMP. WD. OTHER	
FIREPLACE (NO) NAT. DOUBLE	
HEAT: STOVE FL. (FURN.) WALL FURN. HAD. (FHA) STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. 2 LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH: plasterboard	
ROOMS IN ATTIC: NO	
KITCHEN:	
REC. ROOM: NO	
MISC.:	
AIR COND (YES) NO TONNAGE 4 Ton	1000

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	82	3.00	246
NCP	53	3.00	159

TRANSER TO APPRAISAL REPORT FORM TOTAL 405

GARAGE NO AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

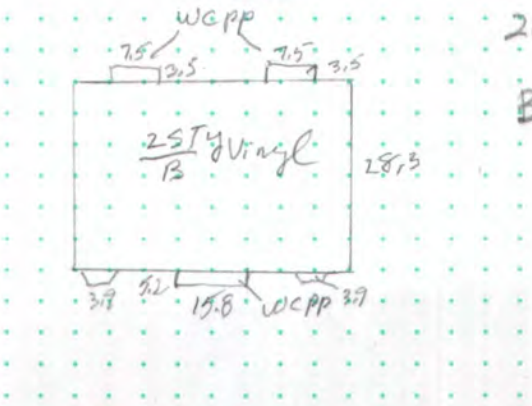
TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM NO.	USE	ASSM STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP	RATE	COND.	FUNCT.	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001	1320	000	2	10	03	1146	1997	01				
002	0	151	X	2	0	03	24	1997	01			

SKETCH



AREA COMPUTATIONS

2.0 B 1/1 40.5 x 28.3 = 1146

BAYS 1/1 2(11.8) = 24

1170

PORCH COMPUTATIONS

WCP 15.8 X 5.2 = 82 ☐

NCP 2(7.5 X 3.5) = 53 ☐

MISC. STRUCTURES

Parcel Number: 17013523-4 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/10/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
ISLAND VIEW VILLAGE PHASE		0	01/21/1997	WD	VALID ARMS LENGTH		PTA	0.0

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1090 FIELD	School: DETROIT PUBLIC SCHOOLS					
	P.R.E. 0%					
Owner's Name/Address	WARD#: 17					
ISLAND VIEW VILLAGE PHASE II 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	60.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		7,500.000 Sq Ft		1.00	100			7,500

* denotes lines that do not contribute to the total acreage calculation.

60 Actual Front Feet, 0.17 Total Acres Total Est. Land Value = 7,500

Public Improvements

	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

Topography of Site

X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Tax Description

E FIELD 15 & 16 MOSES W FIELDS SUB L8 P37 PLATS W C R 17/40 60 X 125

Comments/Influences

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

Who	When	What
TYL	07/27/2016	TYL-ADV RE

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many		Large
	Avg.	X	Avg.
	Few		Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

	Gable		Gambrel
X	Hip		Mansard
	Flat		Shed

X	Asphalt Shingle

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall		Plaster
	Paneled		Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1167 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas		Oil		Elec.
	Wood		Coal		Steam

	Forced Air w/o Ducts
X	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

2	Average Fixture(s)
	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,334
Total Base New : 248,906 E.C.F.
Total Depr Cost: 219,038 X 0.245
Estimated T.C.V: 53,664

(16) Porches/Decks

Area	Type	
38	WCP	(1 Story)
38	WCP	(1 Story)
50	WCP	(1 Story)
50	WCP	(1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

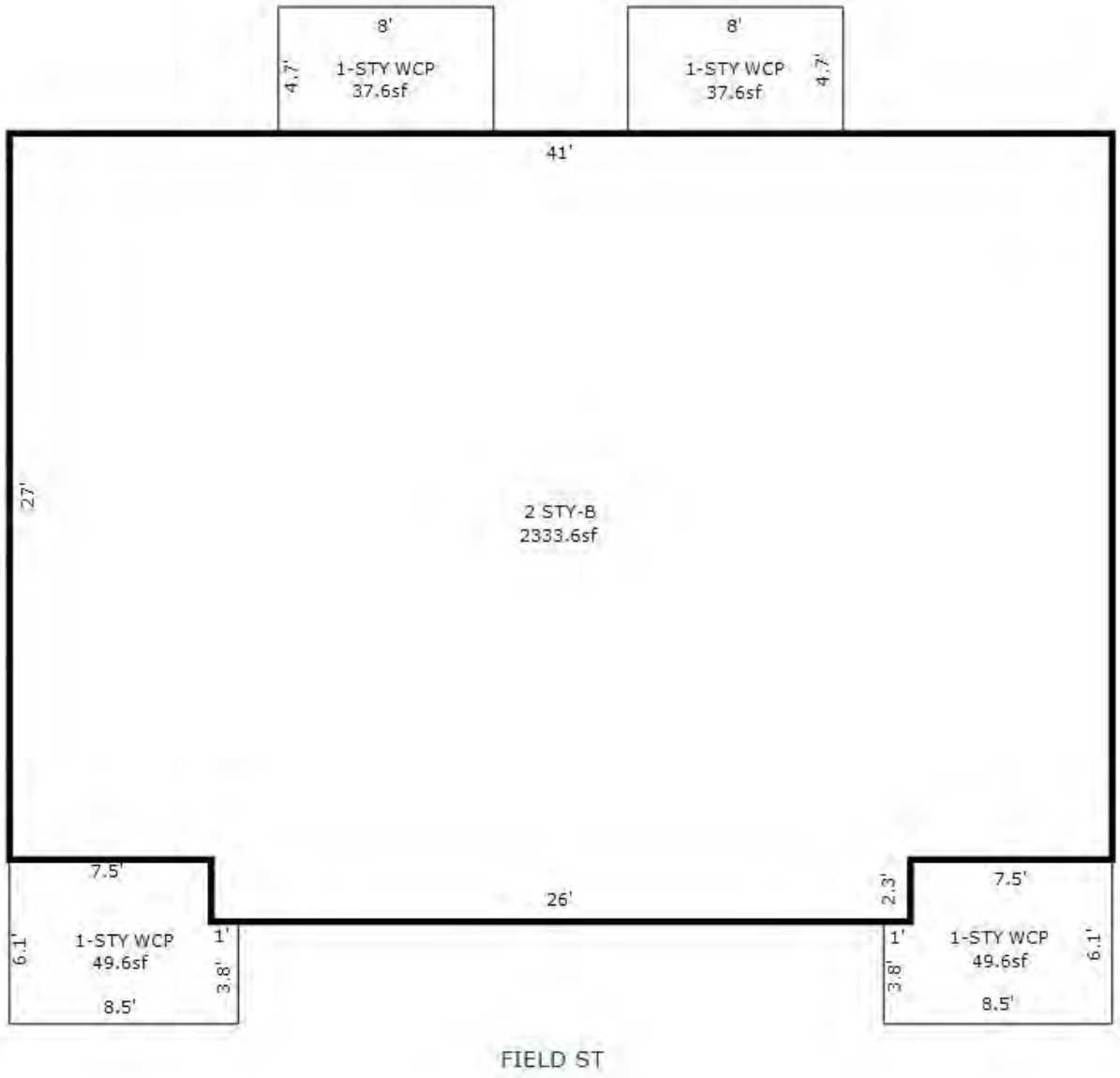
Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1997
(11) Heating System: Forced Air w/ Ducts
Ground Area = 1167 SF Floor Area = 2334 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,167		
			Total:	235,010	206,808
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			1	4,020	3,538
Porches					
WCP (1 Story)			38	2,278	2,005
WCP (1 Story)			38	2,278	2,005
WCP (1 Story)			50	2,660	2,341
WCP (1 Story)			50	2,660	2,341
			Totals:	248,906	219,038

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 53,664



*** Information herein deemed reliable but not guaranteed***

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. BR. CONC. SLAB	
BASEMENT: NO FULL PART X	
ROOF: ASPH. COMP. WD. OTHER	
FIREPLACE: NO 0 NAT. DOUBLE	
HEAT: STOVE FL. FURN. WALL FURN HAG. HWT STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. LOCATION FL. W.	
X LAV. 2 LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND. YES NO TONNAGE NO	

PORCH, TERRACE, ETC.			
DESCRIPTION	SQ. FEET	RATE	
WCP	174	3.00	522
TRANSER TO APPRAISAL REPORT FORM		TOTAL	

NO GARAGE		AGE	
DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			
TRANSFER TO APPRAISAL REPORT FORM		TOTAL	

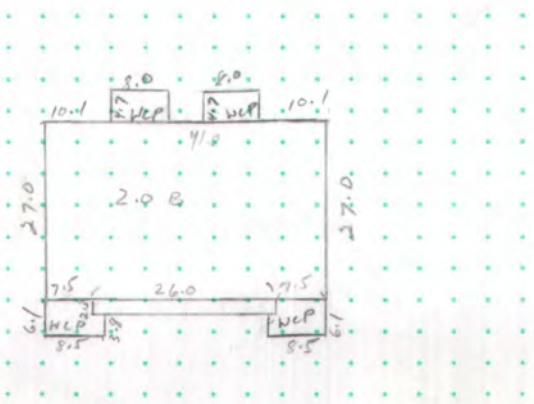
SUPERVISOR'S APPROVAL _____

USE 132 STY HT _____ EXT. WALLS _____ AGE _____ AREA _____ CLASS _____

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP	RATE	COND	FUNCT.	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001 0	132	000	02 0	31	1167	1997	01			41		

SKETCH



AREA COMPUTATIONS

20B 3/1 41X27.0 = 1107 B
26X2.3 = 60 B
1167 B

PORCH COMPUTATIONS

WCP 2 (8.0 X 4.7 = 75 B
2 (1.0 X 3.8 = 8 B
2 (7.5 X 6.1 = 91 B
174 B

MISC. STRUCTURES

2000 COMB
3-3-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN E LAFAYETTE
AND AGNES
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP
60	125

WD 17 ITEM 13523-4
HOUSE NO. 1090-1094
E FIELD 15 & 16
MOSES W FIELDS SUB
L8 P37 PLATS, W C R
17/40 60x125

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM NO	LAND USE	ASSM STATUS	L.V.M.	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
001 L	0132	000	464	01	60.00	125.00				

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
CUBE #	12-29-97	E/R.		

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER_____ STY. HT. 1 1½ 2 2½ GAR YES NO
BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER_____

DATE	19 97	19	19	19	19	19	19
APPR. BY	E/R-N						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY_____ TRANS. BY_____ CHECKED_____ D. P. FORM_____

Parcel Number: 17013525-7 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1100 FIELD	School: DETROIT PUBLIC SCHOOLS					
Owner's Name/Address	P.R.E. 0%					
ISLAND VIEW VILLAGE PHASE II 231 E GRAND BLVD DETROIT MI 48207-3739	WARD#: 17					
	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	90.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		11,250.000 Sq Ft		1.00	100			11,250

* denotes lines that do not contribute to the total acreage calculation.

90 Actual Front Feet, 0.26 Total Acres Total Est. Land Value = 11,250

Tax Description

E FIELD 17 THRU 19MOSES W FIELDS SUB L8 P37 PLATS W C R 17/40 90 X 125

Comments/Influences

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who	When	What
TYL	07/27/2016	TYL-ADV RE

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: LARGE FLATS

Yr Built	Remodeled
1998 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many Avg. Few		Large Avg. Small

Wood Sash
Metal Sash
Vinyl Sash
Double Hung
Horiz. Slide
Casement
Double Glass
Patio Doors
Storms & Screens

(3) Roof

X	Gable Hip Flat		Gambrel Mansard Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall Paneled		Plaster Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 0 S.F.
Crawl: 0 S.F.
Slab: 1754 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas Wood		Oil Coal		Elec. Steam	

	Forced Air w/o Ducts
X	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

	Average Fixture(s)
3	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 3,427
Total Base New : 320,970 E.C.F.
Total Depr Cost: 282,453 X 0.245
Estimated T.C.V: 69,201

(16) Porches/Decks

Area	Type	
71	WCP	(1 Story)
48	WCP	(1 Story)
30	WCP	(1 Story)
50	WCP	(1 Story)
29	WPP	

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

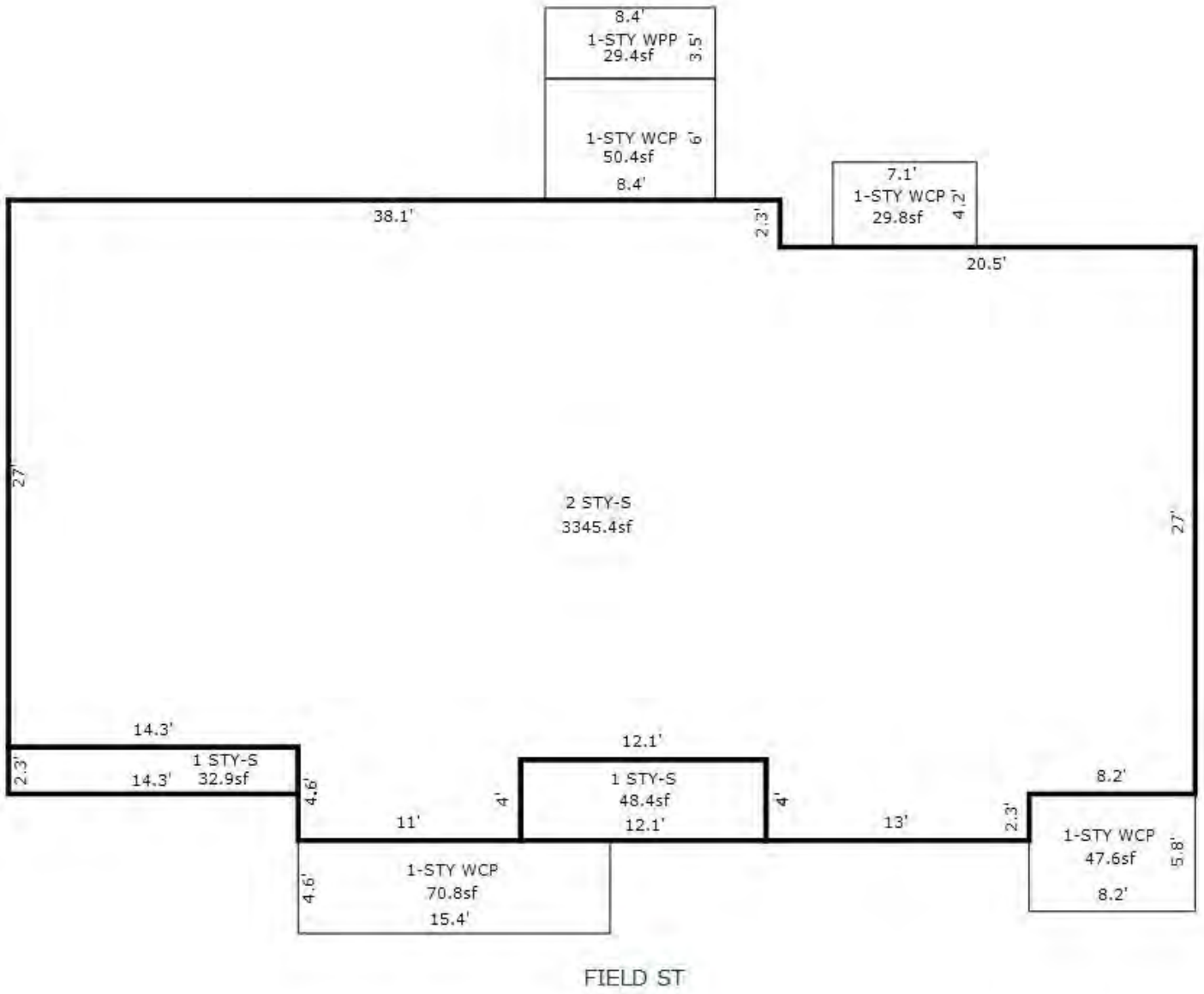
Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family LARGE FLATS Cls C Blt 1998
(11) Heating System: Forced Air w/ Ducts
Ground Area = 1754 SF Floor Area = 3427 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Slab	1,673		
1 Story	Siding	Slab	33		
1 Story	Siding	Slab	48		
			Total:	300,999	264,879
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			2	8,039	7,074
Porches					
WCP (1 Story)			71	3,415	3,005
WCP (1 Story)			48	2,607	2,294
WCP (1 Story)			30	1,934	1,702
WCP (1 Story)			50	2,660	2,341
WPP			29	1,316	1,158
			Totals:	320,970	282,453

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 69,201



*** Information herein deemed reliable but not guaranteed***

USE Duplex STY HT 2.0 EXT WALLS Vinyl AGE 1998 AREA 1760 CLASS C

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM NO.	USE	ASSM STATUS	STORY HEIGHT	STRU CODE	AREA	YEAR BUILT	DEP	RATE	COND	FUNCT	ECON	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001	132	000	020	31	1760	998	01	X	X	X	X	
											V	

BUILDING DESCRIPTION

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST CB BR CONC SLAB	
BASEMENT: NO FULL PART X	
ROOF: ASPH COMP WD OTHER	
FIREPLACE: NO ____ NAT DOUBLE	
HEAT: STOVE FL FURN WALL FURN HAG FHA STEAM H.W ARCOLA RAD ELEC	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV LOCATION FL W	
X LAV LOCATION FL W	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND. YES NO TONNAGE	

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	198	3.00	597

TRANSER TO APPRAISAL REPORT FORM TOTAL

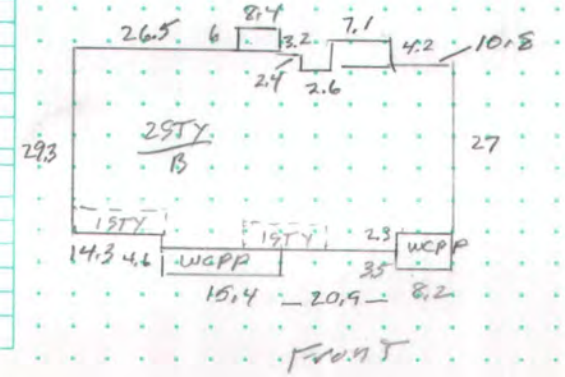
GARAGE AGE

DESCRIPTION	SQ FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL _____

SKETCH Rear



AREA COMPUTATIONS

2.0 N 3/4 40.7 × 29.3 = 1193
17.9 × 27 = 483
2.3 × 36.3 = 83.5
1760

(WCPP) PORCH COMPUTATIONS

4.6 × 15.4 = 70.8
5.8 × 8.2 = 48
4.2 × 7.1 = 30
MISC. STRUCTURES
8.4 × 6 = 50
198.8

2000 comb
3-3-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN E LAFAYETTE
AND AGNES
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP
90	125

WD 17 ITEM 13525-7
HOUSE NO. 1100-1108
E FIELD 17 THRU 19
MOSES W FIELDS SUB
L8 P37 PLATS, W C R
17/40 90 x 125

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM NO	LAND USE	ASSM STATUS	L V M	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
		20	464		90 00	125 00				

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER STY. HT. 1 1½ 2 2½ GAR. YES NO
BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER

DATE	19	19	19	19	19	19	19
APPR. BY							
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

Parcel Number: 17013536-7 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.

Property Address	Class: 401-RESIDENTIAL	Zoning: R5	Building Permit(s)	Date	Number	Status
1448 FIELD	School: DETROIT PUBLIC SCHOOLS					
	P.R.E. 0%					
Owner's Name/Address	WARD#: 17					
ISLAND VIEW VILLAGE PHASE II 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

X Improved | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	60.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		7,500.000 Sq Ft			1.00	100		7,500

* denotes lines that do not contribute to the total acreage calculation.

60 Actual Front Feet, 0.17 Total Acres Total Est. Land Value = 7,500

Public Improvements

- Dirt Road
- Gravel Road
- X Paved Road
- X Storm Sewer
- X Sidewalk
- X Water
- X Sewer
- X Electric
- X Gas
- Curb
- X Street Lights
- X Standard Utilities
- Underground Utils.

Topography of Site

- X Level
- Rolling
- X Low
- High
- Landscaped
- Swamp
- Wooded
- Pond
- Waterfront
- Ravine
- Wetland
- Flood Plain

Tax Description

E FIELD 134&135MOSES W FIELDS SUB L8 P37 PLATS W C R 17/40 60 X 125

Comments/Influences

Who	When	What
TYL	07/27/2016	TYL-ADV RE

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many	X	Large
	Avg.		Avg.
	Few		Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

X	Gable		Gambrel
	Hip		Mansard
	Flat		Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall		Plaster
	Paneled		Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1107 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas		Oil		Elec.
	Wood		Coal		Steam

	Forced Air w/o Ducts
X	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

2	Average Fixture(s)
	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,266
Total Base New : 239,233 E.C.F.
Total Depr Cost: 210,526 X 0.245
Estimated T.C.V: 51,579

(16) Porches/Decks

Area	Type	
88	WCP	(1 Story)
32	WCP	(1 Story)
32	WCP	(1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

Bsmnt Garage:

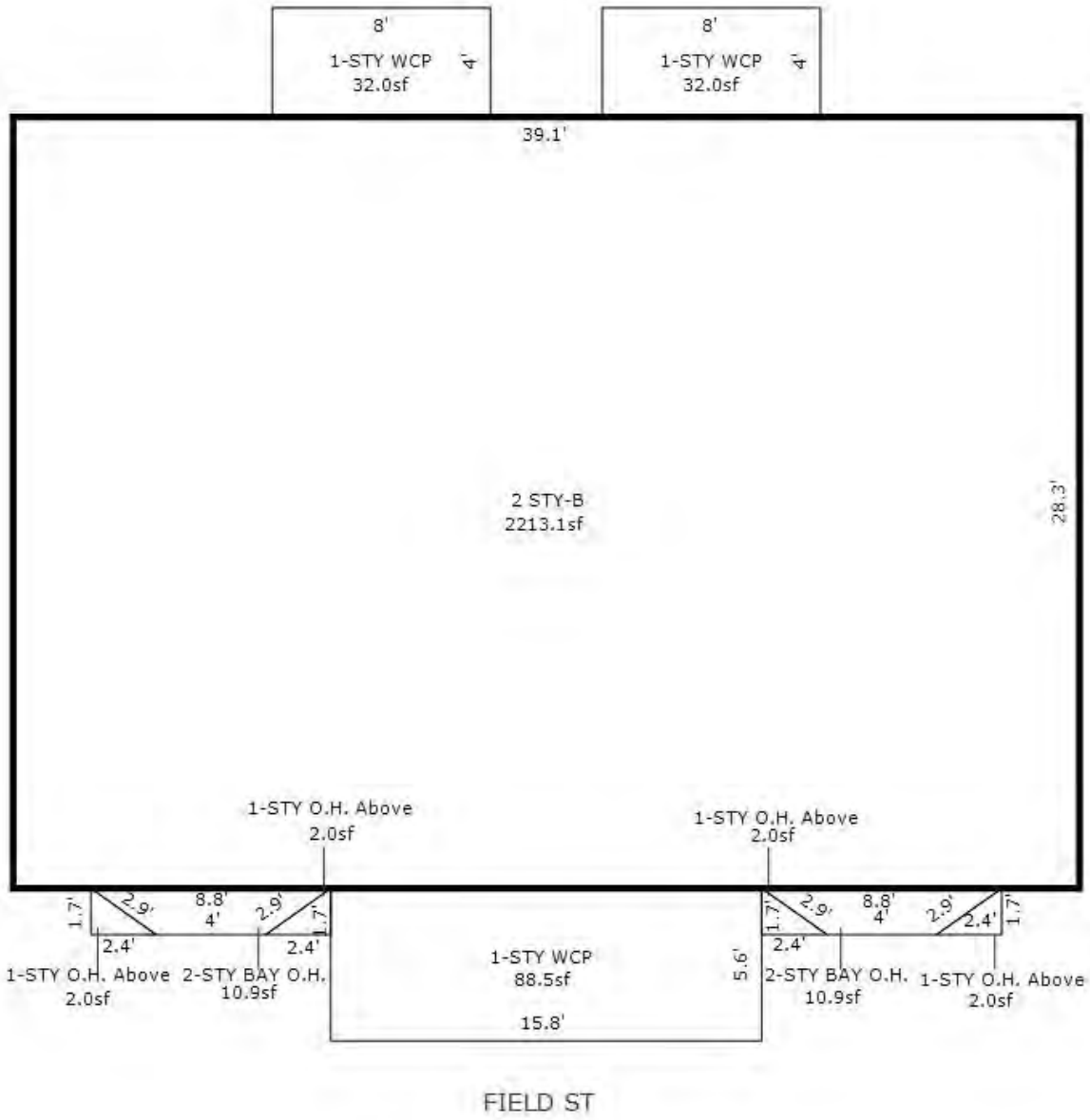
Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1997
(11) Heating System: Forced Air w/ Ducts
Ground Area = 1107 SF Floor Area = 2266 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88

Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,107		
2 Story	Siding	Overhang	11		
2 Story	Siding	Overhang	11		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
		Total:		227,289	200,014
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			1	4,020	3,538
Porches					
WCP (1 Story)			88	3,870	3,406
WCP (1 Story)			32	2,027	1,784
WCP (1 Story)			32	2,027	1,784
		Totals:		239,233	210,526

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 51,579



*** Information herein deemed reliable but not guaranteed***

2000 COMB
3-3-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN AGNES
AND ST PAUL
L.V.M 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP
60	125

WD-17 ITEM 13536-7
HOUSE NO. 1448-1452
E. FIELD 134 & 135
MOSES W FIELDS SUB
L8 P37 PLATS, W C R
17/40 60 x 125

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM NO	LAND USE	ASSM STATUS	L.V.M	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
001 L	032	201	464	01	60 00	125 00				

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
CUBC	10-28-97	2R		

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER STY HT. 1 1½ 2 2½ GAR YES NO
BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER

DATE	19 97	19	19	19	19	19	19
APPR. BY	SR 10						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

Duplex

USE 132 STY. HT. 2.0 EXT. WALLS ALUM AGE 1997 AREA 1135 CLASS C+5

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.S. BR. (COND) SLAB	
BASEMENT: NO (FULL) PART X	
ROOF: ASPH. COMP. WD. OTHER	
FIREPLACE: NO 0 NAT. DOUBLE	
HEAT: STOVE FL. FURN. WALL FURN. HAG. (FHA) STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO (GAS) OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. 2 LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND. YES NO TONNAGE NO	

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	152	3.00	456

TRANSER TO APPRAISAL REPORT FORM TOTAL

NO GARAGE AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

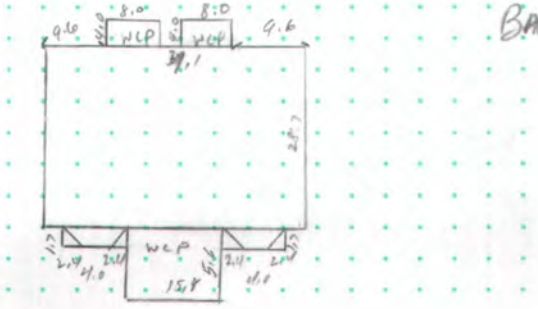
TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM STATUS	STORY HEIGHT	STRU CODE	AREA	YEAR BUILT	DEP	RATE	COND	FUNCT	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001 0	132	000	02 0	31	1106	1997	01					
002 0	151	000	02 0	31	21	1997	01					
003 L	151	000	01 0	31	8	1997	01					

SKETCH



AREA COMPUTATIONS

2.0 B 31/1 39.1 X 28.3 = 1106 ft

2.0 N 31/1 2(8.8 + 4.0/2 X 1.7 = 21 ft

BAYS 1.0 N 31/1 2(2.4 X 1.7 = 8 ft

1135 ft

PORCH COMPUTATIONS

WCP 2(8.0 X 4.0) = 64

15.8 X 5.6 = 88

152 ft

MISC. STRUCTURES

Parcel Number: 17013538. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
		9,950	08/01/1969	WD	VALID ARMS LENGTH	00046:07210	PTA	0.0

Property Address

1458 FIELD

Owner's Name/Address

ISLAND VIEW VILLAGE PHASE II
231 E GRAND BLVD
DETROIT MI 48207-3739

Tax Description

E FIELD 136&137 MOSES W FIELDS SUB L8 P37 PLATS, W C R 17/40 60 X 125

Comments/Influences

Class: 401-RESIDENTIAL Zoning: R5

School: DETROIT PUBLIC SCHOOLS

P.R.E. 0%

WARD#: 17

2020 Est TCV Tentative

Building Permit(s)	Date	Number	Status

X Improved Vacant

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who	When	What
TYL	07/27/2016	TYL-ADV RE

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	60.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		7,500.000 Sq Ft			1.00	100		7,500

* denotes lines that do not contribute to the total acreage calculation.

60 Actual Front Feet, 0.17 Total Acres Total Est. Land Value = 7,500

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

Building Type
- [X] Single Family
- [ ] Mobile Home
- [ ] Town Home
- [ ] Duplex
- [ ] A-Frame

- [X] Wood Frame

Building Style: 1/2 DUPLEX

Yr Built	Remodeled
1997 2	0

Condition: Average

Room List
- [ ] Basement
- [ ] 1st Floor
- [ ] 2nd Floor
- [ ] Bedrooms

(1) Exterior
- [X] Wood/Shingle
- [ ] Aluminum/Vinyl
- [ ] Brick
- [ ] Insulation

(2) Windows

[X]	Many Avg. Few	[X]	Large Avg. Small

- [ ] Wood Sash
- [ ] Metal Sash
- [ ] Vinyl Sash
- [ ] Double Hung
- [ ] Horiz. Slide
- [ ] Casement
- [ ] Double Glass
- [ ] Patio Doors
- [ ] Storms & Screens

(3) Roof

[X]	Gable Hip Flat	[ ]	Gambrel Mansard Shed

- [X] Asphalt Shingle

Chimney: Brick

(3) Roof (cont.)
- [ ] Eavestrough
- [ ] Insulation
- 0 Front Overhang
- 0 Other Overhang

(4) Interior

[ ]	Drywall Paneled	[ ]	Plaster Wood T&G

Trim & Decoration

[ ]	Ex	[X]	Ord	[ ]	Min

Size of Closets

[ ]	Lg	[X]	Ord	[ ]	Small

Doors:					
	[ ]	Solid	[X]	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1167 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement
- [ ] Conc. Block
- [ ] Poured Conc.
- [ ] Stone
- [ ] Treated Wood
- [ ] Concrete Floor

(9) Basement Finish
- [ ] Recreation SF
- [ ] Living SF
- [ ] Walkout Doors
- [ ] No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

[X]	Gas	[ ]	Oil	[ ]	Elec.
	Wood		Coal		Steam

- [X] Forced Air w/o Ducts
- [ ] Forced Air w/ Ducts
- [ ] Forced Hot Water
- [ ] Electric Baseboard
- [ ] Elec. Ceil. Radiant
- [ ] Radiant (in-floor)
- [ ] Electric Wall Heat
- [ ] Space Heater
- [ ] Wall/Floor Furnace
- [ ] Forced Heat & Cool
- [ ] Heat Pump
- [ ] No Heating/Cooling

- [ ] Central Air
- [ ] Wood Furnace

(12) Electric

0 Amps Service

No./Qual. of Fixtures

[ ]	Ex.	[X]	Ord.	[ ]	Min

No. of Elec. Outlets

[ ]	Many	[X]	Ave.	[ ]	Few

(13) Plumbing

2
- [ ] Average Fixture(s)
- [ ] 3 Fixture Bath
- [ ] 2 Fixture Bath
- [ ] Softener, Auto
- [ ] Softener, Manual
- [ ] Solar Water Heat
- [ ] No Plumbing
- [ ] Extra Toilet
- [ ] Extra Sink
- [ ] Separate Shower
- [ ] Ceramic Tile Floor
- [ ] Ceramic Tile Wains
- [ ] Ceramic Tub Alcove
- [ ] Vent Fan

(14) Water/Sewer
- [ ] Public Water
- [ ] Public Sewer
- [ ] Water Well
- [ ] 1000 Gal Septic
- [ ] 2000 Gal Septic

Lump Sum Items:

(15) Built-ins
- [ ] Appliance Allow.
- [ ] Cook Top
- [ ] Dishwasher
- [ ] Garbage Disposal
- [ ] Bath Heater
- [ ] Vent Fan
- [ ] Hot Tub
- [ ] Unvented Hood
- [ ] Vented Hood
- [ ] Intercom
- [ ] Jacuzzi Tub
- [ ] Jacuzzi repl.Tub
- [ ] Oven
- [ ] Microwave
- [ ] Standard Range
- [ ] Self Clean Range
- [ ] Sauna
- [ ] Trash Compactor
- [ ] Central Vacuum
- [ ] Security System

(15) Fireplaces
- [ ] Interior 1 Story
- [ ] Interior 2 Story
- [ ] 2nd/Same Stack
- [ ] Two Sided
- [ ] Exterior 1 Story
- [ ] Exterior 2 Story
- [ ] Prefab 1 Story
- [ ] Prefab 2 Story
- [ ] Heat Circulator
- [ ] Raised Hearth
- [ ] Wood Stove
- [ ] Direct-Vented Gas

Class: C
Effec. Age: 12
Floor Area: 2,334
Total Base New : 248,906 E.C.F.
Total Depr Cost: 219,038 X 0.245
Estimated T.C.V: 53,664

(16) Porches/Decks

Area	Type
38	WCP (1 Story)
38	WCP (1 Story)
50	WCP (1 Story)
50	WCP (1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

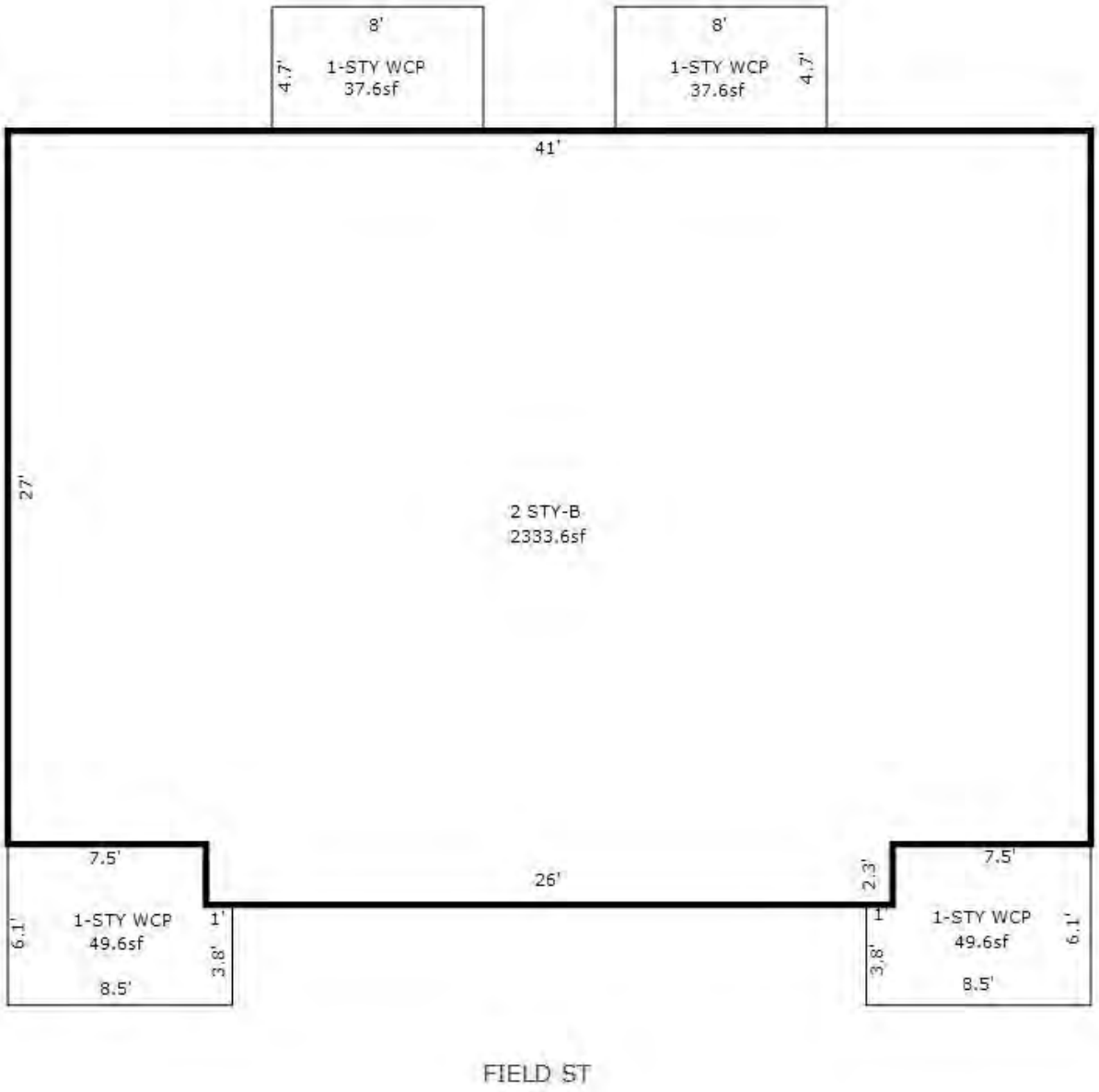
Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family 1/2 DUPLEX Cls C Blt 1997
(11) Heating System: Forced Air w/ Ducts
Ground Area = 1167 SF Floor Area = 2334 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=88/100/100/100/88
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,167		
			Total:	235,010	206,808
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			1	4,020	3,538
Porches					
WCP (1 Story)			38	2,278	2,005
WCP (1 Story)			38	2,278	2,005
WCP (1 Story)			50	2,660	2,341
WCP (1 Story)			50	2,660	2,341
			Totals:	248,906	219,038

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 53,664



*** Information herein deemed reliable but not guaranteed***

DUPLEX

USE 132 STY. HT. 2.0 EXT. WALLS ALUM AGE 1997 AREA 1167 CLASS C+5

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. BR. CONC. SLAB	
BASEMENT: NO FULL PART X	
ROOF: ASPH. COMP. WD. OTHER	
FIREPLACE: NO 2 NAT. DOUBLE	
HEAT: STOVE FL. FURN. WALL FURN. HAG. PIPE STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. 2 LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM: NO	
MISC.:	
AIR COND. YES NO TONNAGE NO	

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	174	3.00	522

TRANSER TO APPRAISAL REPORT FORM TOTAL

NO GARAGE AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

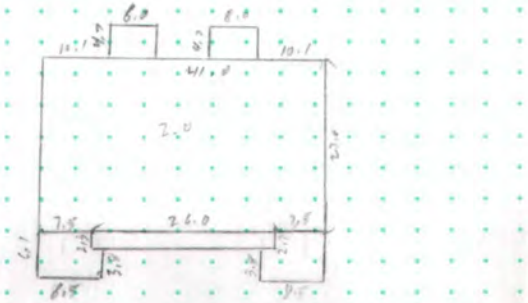
TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP	RATE	COND.	FUNCT	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001 0	132	000	020	31	1167	1997	01					
	151	000	01 0	31	60	997	61					

SKETCH



AREA COMPUTATIONS

2.0 B 31/1 41 x 27.0 = 1107 D

1.0 B 31/1 26 x 2.3 = 60 D

PORCH COMPUTATIONS

2 (4.0 x 3.8) = 84 D

2 (2.5 x 6.1) = 91 D

MISC. STRUCTURES

WCP B (8.0 x 4.7 = 75 D

2000 COMB.
3-3-00 LK

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

BETWEEN AGNES
AND ST PAUL
L.V.M. 464
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP
60	125

WD 17 ITEM 13538
HOUSE NO. 1458-1462
E FIELD 136 & 137
MOSES W FIELDS SUB
L8 P37 PLATS, WCR
17/40 60 X 125

8512

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM. NO	LAND USE	ASSM STATUS	L.V.M.	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
001	L	132	201	464	01	60 00	125 00				

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
CUBED	10-29-	97 ER		

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER STY. HT. 1 1½ 2 2½ GAR. YES NO
BSMT. NO PART FULL EXT. WALLS FR. ASB. ASPH. ALUM FACE 4 FACE FRT H.B. COM. OTHER

DATE	1997	19	19	19	19	19	19
APPR. BY	ER 10						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY TRANS. BY CHECKED D. P. FORM

Parcel Number: 17013539-40 Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 10/11/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
CITY OF DETROIT	FIELD STREET II LIMITED DI	1,778	01/21/1997	QCD	NOT ARMS LENGTH		PTA	100.0

Property Address

1470 FIELD

Owner's Name/Address

FIELD STREET II LIMITED DIVIDED ASS
231 E GRAND BLVD
DETROIT MI 48207-3739

Tax Description

E FIELD 138&139 MOSES W FIELDS SUB L8 P37 PLATS, W C R 17/40 60 X 125

Comments/Influences

Class: 401-RESIDENTIAL Zoning: R5

School: DETROIT PUBLIC SCHOOLS

P.R.E. 0%

WARD#: 17

2020 Est TCV Tentative

Building Permit(s)	Date	Number	Status

X	Improved		Vacant

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who	When	What
TYL	07/27/2016	TYL-ADV RE

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	60.00	125.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		7,500.000 Sq Ft			1.00	100		7,500

* denotes lines that do not contribute to the total acreage calculation.

60 Actual Front Feet, 0.17 Total Acres Total Est. Land Value = 7,500

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Building Type

X	Single Family
	Mobile Home
	Town Home
	Duplex
	A-Frame
X	Wood Frame

Building Style: DUPLEX

Yr Built	Remodeled
1996 2	0

Condition: Average

Room List

	Basement
	1st Floor
	2nd Floor
	Bedrooms

(1) Exterior

X	Wood/Shingle
	Aluminum/Vinyl
	Brick
	Insulation

(2) Windows

X	Many	X	Large
	Avg.		Avg.
	Few		Small

	Wood Sash
	Metal Sash
	Vinyl Sash
	Double Hung
	Horiz. Slide
	Casement
	Double Glass
	Patio Doors
	Storms & Screens

(3) Roof

X	Gable		Gambrel
	Hip		Mansard
	Flat		Shed
X	Asphalt Shingle		

Chimney: Brick

(3) Roof (cont.)

	Eavestrough
	Insulation
0	Front Overhang
0	Other Overhang

(4) Interior

	Drywall		Plaster
	Paneled		Wood T&G

Trim & Decoration

	Ex	X	Ord		Min

Size of Closets

	Lg	X	Ord		Small

Doors:		Solid	X	H.C.	

(5) Floors

Kitchen:
Other:
Other:

(6) Ceilings

(7) Excavation

Basement: 1107 S.F.
Crawl: 0 S.F.
Slab: 0 S.F.
Height to Joists: 0.0

(8) Basement

	Conc. Block
	Poured Conc.
	Stone
	Treated Wood
	Concrete Floor

(9) Basement Finish

	Recreation SF
	Living SF
	Walkout Doors
	No Floor SF

(10) Floor Support

Joists:
Unsupported Len:
Cntr.Sup:

(11) Heating/Cooling

X	Gas		Oil		Elec.
	Wood		Coal		Steam

	Forced Air w/o Ducts
	Forced Air w/ Ducts
	Forced Hot Water
	Electric Baseboard
	Elec. Ceil. Radiant
	Radiant (in-floor)
	Electric Wall Heat
	Space Heater
	Wall/Floor Furnace
X	Forced Heat & Cool
	Heat Pump
	No Heating/Cooling

	Central Air
	Wood Furnace

(12) Electric

0	Amps Service

No./Qual. of Fixtures

	Ex.	X	Ord.		Min

No. of Elec. Outlets

	Many	X	Ave.		Few

(13) Plumbing

	Average Fixture(s)
2	3 Fixture Bath
	2 Fixture Bath
	Softener, Auto
	Softener, Manual
	Solar Water Heat
	No Plumbing
	Extra Toilet
	Extra Sink
	Separate Shower
	Ceramic Tile Floor
	Ceramic Tile Wains
	Ceramic Tub Alcove
	Vent Fan

(14) Water/Sewer

	Public Water
	Public Sewer
	Water Well
	1000 Gal Septic
	2000 Gal Septic

Lump Sum Items:

(15) Built-ins

	Appliance Allow.
	Cook Top
	Dishwasher
	Garbage Disposal
	Bath Heater
	Vent Fan
	Hot Tub
	Unvented Hood
	Vented Hood
	Intercom
	Jacuzzi Tub
	Jacuzzi repl.Tub
	Oven
	Microwave
	Standard Range
	Self Clean Range
	Sauna
	Trash Compactor
	Central Vacuum
	Security System

(15) Fireplaces

2	Interior 1 Story
	Interior 2 Story
	2nd/Same Stack
	Two Sided
	Exterior 1 Story
	Exterior 2 Story
	Prefab 1 Story
	Prefab 2 Story
	Heat Circulator
	Raised Hearth
	Wood Stove
	Direct-Vented Gas

Class: C
Effec. Age: 13
Floor Area: 2,266
Total Base New : 255,765 E.C.F.
Total Depr Cost: 222,511 X 0.245
Estimated T.C.V: 54,515

(16) Porches/Decks

Area	Type	
88	WCP	(1 Story)
32	WCP	(1 Story)
32	WCP	(1 Story)

(17) Garage

Year Built:
Car Capacity:
Class:
Exterior:
Brick Ven.:
Stone Ven.:
Common Wall:
Foundation:
Finished ?:
Auto. Doors:
Mech. Doors:
Area:
% Good:
Storage Area:
No Conc. Floor:

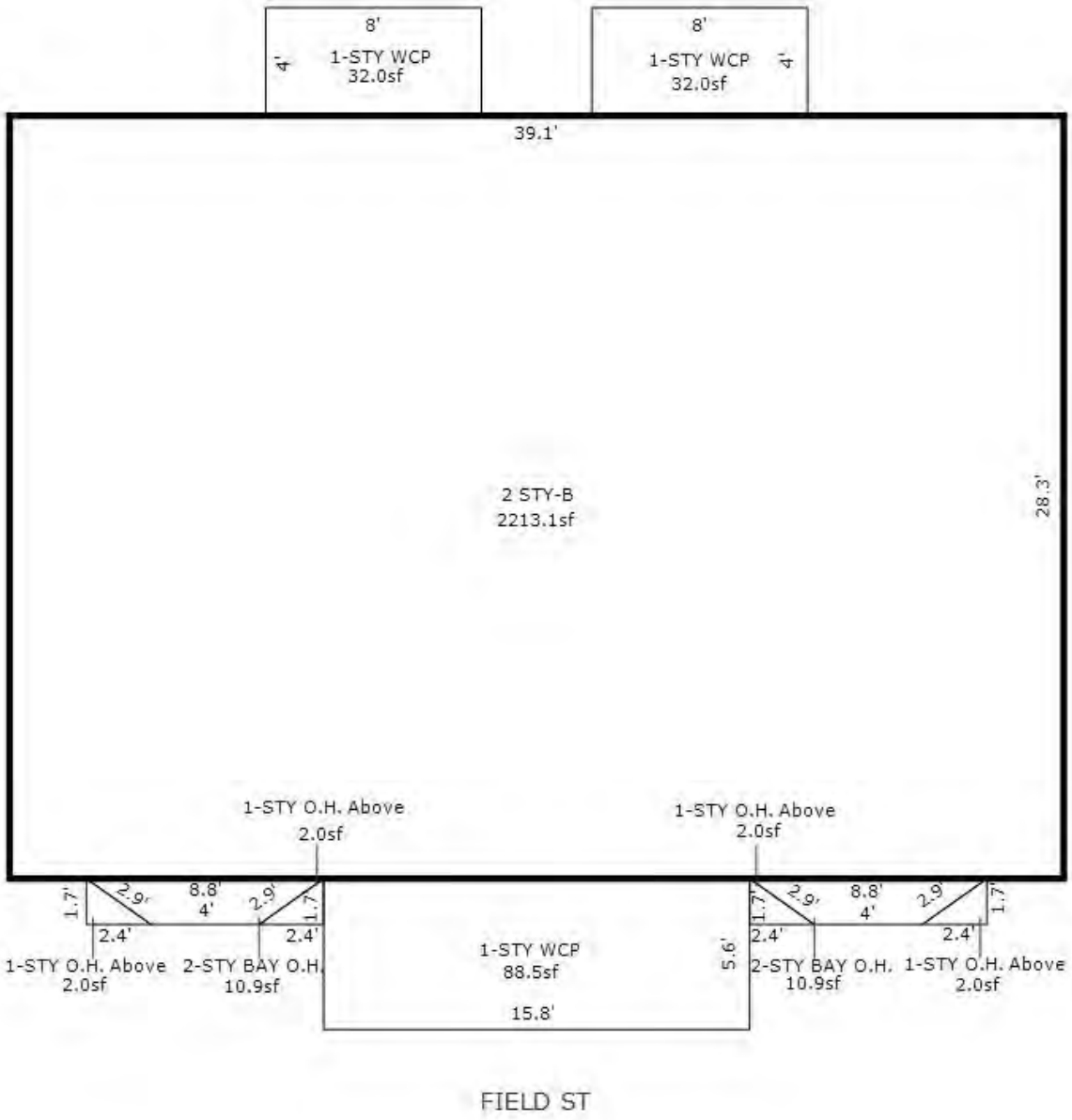
Bsmnt Garage:

Carport Area:
Roof:

Cost Est. for Res. Bldg: 1 Single Family DUPLEX Cls C Blt 1996
(11) Heating System: Forced Heat & Cool
Ground Area = 1107 SF Floor Area = 2266 SF.
Phy/Ab.Phy/Func/Econ/Comb. % Good=87/100/100/100/87
Building Areas

Stories	Exterior	Foundation	Size	Cost New	Depr. Cost
2 Story	Siding	Basement	1,107		
2 Story	Siding	Overhang	11		
2 Story	Siding	Overhang	11		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
1 Story	Siding	Overhang	2		
		Total:		234,584	204,085
Other Additions/Adjustments					
Plumbing					
3 Fixture Bath			1	4,020	3,497
Porches					
WCP (1 Story)			88	3,870	3,367
WCP (1 Story)			32	2,027	1,763
WCP (1 Story)			32	2,027	1,763
Fireplaces					
Interior 1 Story			2	9,237	8,036
		Totals:		255,765	222,511

Notes:
ECF (3141A-ISLANDVIEW A.B.) 0.245 => TCV: 54,515



*** Information herein deemed reliable but not guaranteed***

Duplex

USE 132 STY HT 2.0 EXT WALLS ALUM AGE 1997 AREA 1135 CLASS C45

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP.	RATE	COND.	FUNCT.	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
001 0	132	000	02 0	31	1106	1997	01					
002 0	151	000	02 0	31	21	1997	01					
003 L	151	600	01 0	31	8	1997	01					

BUILDING DESCRIPTION

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. BR. CONC. SLAB	
BASEMENT: NO FULL PART X	
ROOF: ASPH. COMP. WD. OTHER	
FIREPLACE: NO 0 NAT. DOUBLE	
HEAT STOVE FL. FURN. WALL FURN. HAG. FWA STEAM H.W. ARCOLA RAD. ELEC.	
BURNER: NO GAS OIL STOKER	
BATH 2 FLOOR WALL	
X BATH FLOOR WALL	
X BATH FLOOR WALL	
LAV. 2 LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER	
INTERIOR FINISH:	
ROOMS IN ATTIC:	
KITCHEN:	
REC. ROOM:	
MISC.:	
AIR COND. YES NO TONNAGE NO	

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
WCP	152	3.00	456

TRANSER TO APPRAISAL REPORT FORM TOTAL

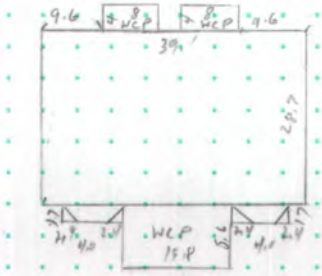
NO GARAGE AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

TRANSFER TO APPRAISAL REPORT FORM TOTAL

SUPERVISOR'S APPROVAL _____

SKETCH



AREA COMPUTATIONS

2.0 B 31/1 39.1 X 28.3 = 1106 ✓

2.0 N 31/1 2(8.8 + 4.0 X 1.7 = 21 ✓

1.0 N 31/1 2(2.4 X 1.7 = 8 ✓

1135 ✓

PORCH COMPUTATIONS

WCP 2(8.0 X 4.0) = 64

15.8 X 5.6 = 88

MISC. STRUCTURES 152

CITY OF DETROIT BOARD OF ASSESSORS
RESIDENTIAL APPRAISAL RECORD

17 13539-40

1470-74 Field

BETWEEN _____

AND _____

L.V.M. _____

ZONING _____

STREET _____ ALLEY _____

_____ WIDTH _____

_____ PAVED _____

_____ UNPAVED _____

LAND DIMENSIONS	
FRONT	DEEP

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ASSM. NO	LAND USE	ASSM STATUS	L.V.M.	ZONING	FRONT	DEPTH	RATE	OBSOL #1	OBSOL #2	OBSOL #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
001	L 0132	201		01						

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
CUBEW	10-28-97ER			

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER_____ STY. HT. 1 1½ 2 2½ GAR. YES NO

BSMT. NO PART FULL EXT. WALLS FR ASB ASPH ALUM FACE 4 FACE FRT H.B. COM OTHER_____

DATE	19 97	19	19	19	19	19	19
APPR. BY	SRD						
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES

FIELD SURVEY_____ TRANS. BY_____ CHECKED_____ D. P. FORM_____

Parcel Number: 15007478. Jurisdiction: CITY OF DETROIT County: WAYNE Printed on 11/14/2019

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
		12,650	03/01/1969	WD	VALID ARMS LENGTH	00026:05850	REG DEEDS	0.0

Property Address	Class: 402-RESIDENTIAL VA	Zoning: R5	Building Permit(s)	Date	Number	Status
1103 FIELD	School: DETROIT PUBLIC SCHOOLS					
	P.R.E. 0%					
Owner's Name/Address	WARD#: 15					
FIELD STREET LDHA LP 231 E GRAND BLVD DETROIT MI 48207-3739	2020 Est TCV Tentative					

Improved | X | Vacant

Land Value Estimates for Land Table 3141A.3141A-ISLANDVIEW A.B.

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
	50.00	180.00	1.0000	0.0000	0	100*		0
SQ FT RATE BY SIZE		9,000.000 Sq Ft		1.00	100			9,000

* denotes lines that do not contribute to the total acreage calculation.

50 Actual Front Feet, 0.21 Total Acres Total Est. Land Value = 9,000

Tax Description

W FIELD 76 MOSES W FIELDS 2ND SUB L10 P10 PLATS, W C R 15/100 50 X 180

Comments/Influences

	Public Improvements
	Dirt Road
	Gravel Road
X	Paved Road
X	Storm Sewer
X	Sidewalk
X	Water
X	Sewer
X	Electric
X	Gas
	Curb
X	Street Lights
X	Standard Utilities
	Underground Utils.

	Topography of Site
X	Level
	Rolling
X	Low
	High
	Landscaped
	Swamp
	Wooded
	Pond
	Waterfront
	Ravine
	Wetland
	Flood Plain

Who When What

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2020	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2019	EXEMPT	EXEMPT	EXEMPT			EXEMPT
2018	0	0	0			0
2017	0	0	0			0

*** Information herein deemed reliable but not guaranteed***

Parcel Number: 15007478.

Printed on 11/14/2019

*** Information herein deemed reliable but not guaranteed***

#751
2-14-67 3R
FIELD INV.
GRANTED
2-17-67
D.D.
68-10925
FIELD
DENIED D.D.
DEC 14 1974

MAY 26 1970
MAY 17 1971
OCT 29 1974
OCT 31 1975
NOV 23 1976
MAR 15 1977

CITY OF DETROIT BOARD OF ASSESSORS

RESIDENTIAL APPRAISAL RECORD

BETWEEN
AND
L.V.M.
ZONING
STREET ALLEY
WIDTH
PAVED
UNPAVED

LAND DIMENSIONS	
FRONT	DEEP

BOOK 03 WARD 15 ITEM 7478.

HOUSE NO. 1103-1109

W FIELD 76
MOSES W FIELDS 2ND SUB
L10 P10 PLATS, W C R
15/100 50 X 180

8510

LAND APPRAISAL REPORT FORM

GENERAL NOTATIONS

ADJ LIB-5

ASSM. NO.	LAND USE	ASSM. STATUS	L.V.M.	ZON-ING	FRONT	DEPTH	RATE	OBSOL. #1	OBSOL. #2	OBSOL. #3
15-18	19-21	22-24	25-27	28-29	30-39	40-44	45-52	53-56	57-59	60-62
001 9	001	~~000~~ 730	464	05	50 00	180 00	~~45 00~~ 48 00	005 0	/	/

SALES AND RENTAL DATA

DATE	TYPE OF SALE	PRICE	RENTAL INFORMATION
10-1-76		HUD TO C&EDD	
		~~730/3,1,77 TH~~	

BUILDING PERMITS

DATE	PERMIT NO.	TYPE OF IMPROVEMENT	SIZE	COST
~~8-8-62~~	~~11684~~	~~rebuild rear porch~~		~~300~~
~~4-4-70~~	~~47255~~	~~Repair 2 fit flat~~		~~400~~
N.C.		Porches 1105		

BUILDING IMP. SINGLE INCOME 2-3-4-5-6-7 FLAT OTHER 7-7-7627637 STY. BRICK DOUBLE GAR. YES NO
BSMT.: NO PART FULL EXT. WALLS FR. ASB. ASPH. ALUM. FACE 4 FACE FRT. H.B.COM. OTHER

DATE	1966	1967	1970	1974	1975	1976	1982
APPR. BY	LL	ECG	RH	RV10	BD10	AW	PBS
D. P. FORM							
ASSES. REV.							
B. OF R.							
S. T. C.							

NOTES (S)

AB. LIB. - 30 5% 1/2
~~Fc 36970~~
32 1/2
10-22-75 EU
Wall Broken windows
Vacant - Burned
10-14-74 C 30

FIELD SURVEY R.F. TRANS. BY E.P. CHECKED TBM D. P. FORM

15007478. 1103 FIELD Field Record Card

BUILDING DESCRIPTION	AMOUNT
FOUNDATION: POST C.B. (BR) CONC. SLAB	x
BASEMENT: NO (FULL) PART X	x
ROOF: (ASPH.) COMP. WD. OTHER	x
FIREPLACE: NO — (NAT) DOUBLE	750
HEAT: STOVE FL. FURN. WALL FURN. (HAG) FHA STEAM H.W. ARCOLA RAD. ELEC.	(-750)
BURNER: NO GAS OIL (STOKER)	
BATH 4 FLOOR T WALL PL	(-800)
X BATH NO FLOOR WALL	
X BATH FLOOR WALL	
LAV. NO LOCATION FL. W.	
X LAV. LOCATION FL. W.	
STALL SHOWER NO	
INTERIOR FINISH: PLAST	
ROOMS IN ATTIC: NO	
KITCHEN:	
REC. ROOM: NO	
MISC.: 4 FAM FLAT	6450
AIR COND. YES (NO) TONNAGE	x

PORCH, TERRACE, ETC.

DESCRIPTION	SQ. FEET	RATE	
2STY WCP	46	4.50	207
WCP	196	3.00	588

TRANSFER TO APPRAISAL REPORT FORM — **TOTAL** 6445

NO GARAGE AGE

DESCRIPTION	SQ. FT/SIZE	RATE	AMOUNT
GAR.			
DRIVE			
DOORS			
MISC.			

TRANSFER TO APPRAISAL REPORT FORM — **TOTAL**

16.2x26 45.5x36

SUPERVISOR'S APPROVAL

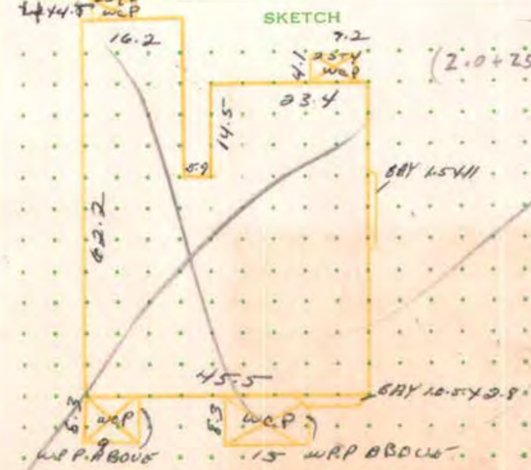
USE 4 FLAT STY. HT. 2 EXT. WALLS FR AGE 1900 AREA 2453 CLASS C+5

RESIDENTIAL BUILDING APPRAISAL REPORT FORM

ASSM. NO.	USE	ASSM. STATUS	STORY HEIGHT	STRU. CODE	AREA	YEAR BUILT	DEP.	RATE	COND.	FUNCT.	ECON.	F
15-18	19-21	22-24	25-27	28-29	30-39	40-42	43-44	45-52	53-56	57-59	60-62	73
~~001 0~~	~~123~~	~~000~~	~~021~~	~~11~~	~~1693~~	~~900~~	~~01~~	~~1532~~	~~0400~~	~~360~~	~~050~~	
~~003 0~~	~~151~~	~~X~~	~~020~~	~~11~~	~~760~~	~~900~~	~~01~~	~~1507~~	~~0400~~	~~360~~	~~050~~	
~~003 L~~	~~152~~	~~X~~	~~000~~	~~00~~	~~6445~~	~~900~~	~~01~~	~~100~~	~~0400~~	360	050	

DEL 11/1/76 AK

SKETCH



AREA COMPUTATIONS

(2.0+25+) 2.0 B 16.2x26 = 421
2.1 B 45.5x36.2 = 1647
1.5x11 = 17
10.5x2.8 = 29
2.0 B 23.4x14.5 = 339

PORCH COMPUTATIONS

2STY WCP 7.2x4.1 = 30
WCP 9x8.3 = 75
WCP 15x8.3 = 125
DED 2.8x2.8 = 4

MISC. STRUCTURES

2STY WCP 4x4 = 16

15007478. 1103 FIELD Field Record Card

DETROIT FIRE DEPARTMENT
Fire Marshal Division

District No. 5207 Type Inspection Mult Dwell / F1 Hour 1230 M. Date 4-9 19 87

Location 232 W. Grand River / 1410 Washington Blvd Occupied by Wingate Management Company, Inc

Stories 22+B+SB Construction Masonry & Framed Occupied as Multiple Dwelling

Bldg. owned by Wingate Management Co, Inc Executive official Pauline Goingates

Address 232 W. Grand Blvd Det. 48226 Residence address Same

Ph 961-3195

BUILDING

Has bldg. fire walls? no

Are fire wall openings protected? —

Fire wall doors are: automatic — self-closing — manual —

Are all fire wall fire doors operative? —

Are all other fire doors operative? yes

Are elevator shafts enclosed or open? 4 enclosed

Do all doors and gates operate properly? yes

Are all other floor openings, including stairways, protected? yes

Are all stairwell fire doors self-closing? yes

Were they closed at time of inspection? yes

Number of exits each floor? 1-22nd floor, 2 exits 1st floor through 21st floor, 2 exits basement & subbasement

Are exits marked? yes

Are exits properly maintained? yes

Are exits adequate? yes

If not, explain n/a

Revolving Doors? none Type — Operative? —

Do floors appear overloaded? no

What floors? —

What is means of access to roof? Scuttle access from penthouse

Was roof opening unlocked? no

How is building heated? gas fired steam boiler

Condition of heating apparatus, including smoke pipes, heat ducts, etc. (if defective, describe) OK

Condition of electrical wiring? (If defective, explain) OK

(structurally)? OK

OCCUPANCY

Housekeeping (If poor, give details) OK

Is elevator pit clean? yes

Kinds and amounts of inflammable liquids handled? 500 gallons of Class II

How and where stored? In 2-250 gallon above ground tanks

Permit? yes

Any special hazards (material detrimental to firemen)? Give details no

Is smoking permitted? yes When and where? designated areas

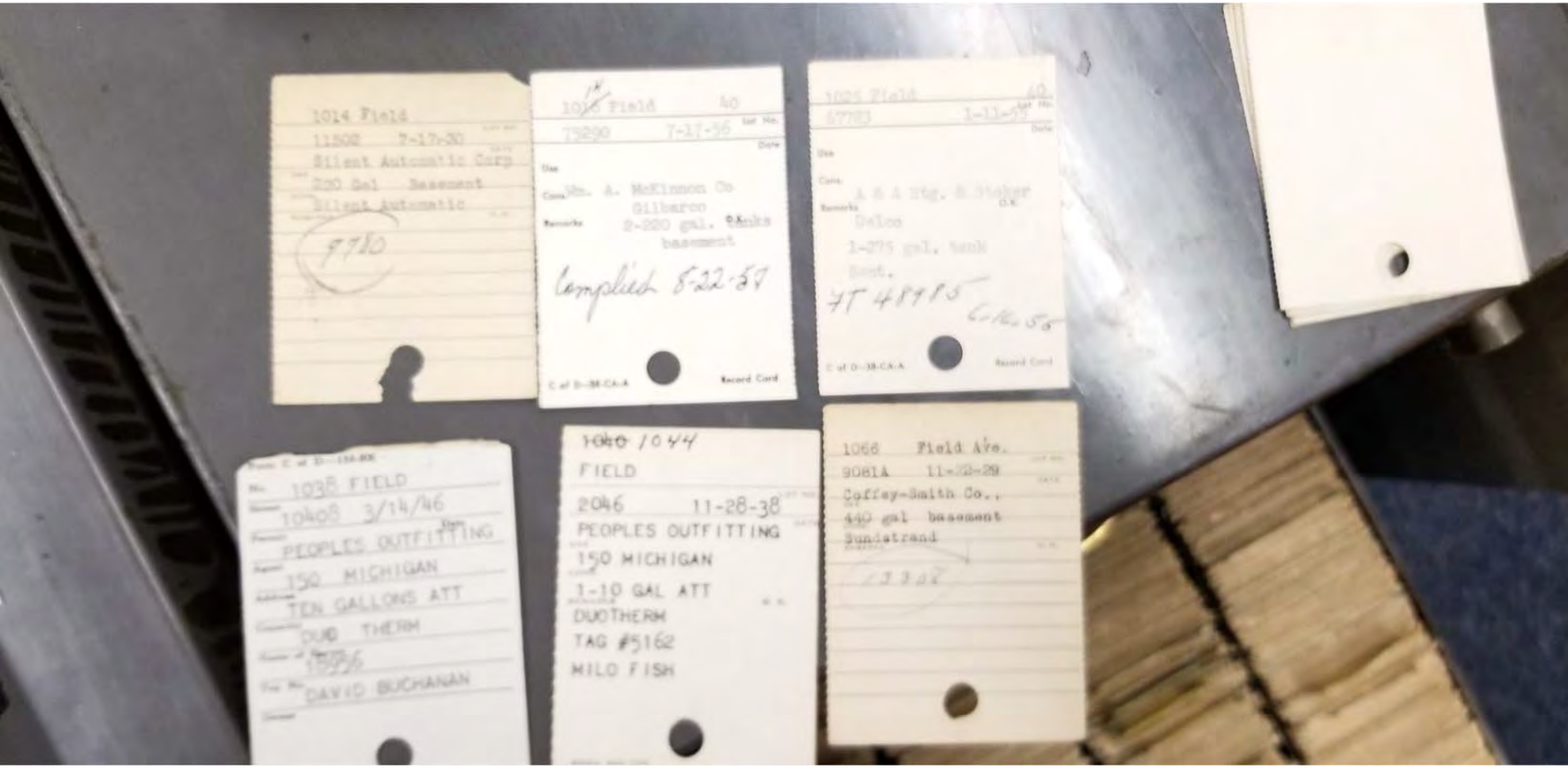
Location of welding and cutting operations none

Any acetylene apparatus? none Permit? n/a

Ventilating system? none Air conditioning? Central

Condition of plenum chambers? none

Form C of D-78-FO (Rev. 7-63)


1014 Field
11502 7-17-30
Silent Automatic Corp
220 Gal Basement
Silent Automatic
7780

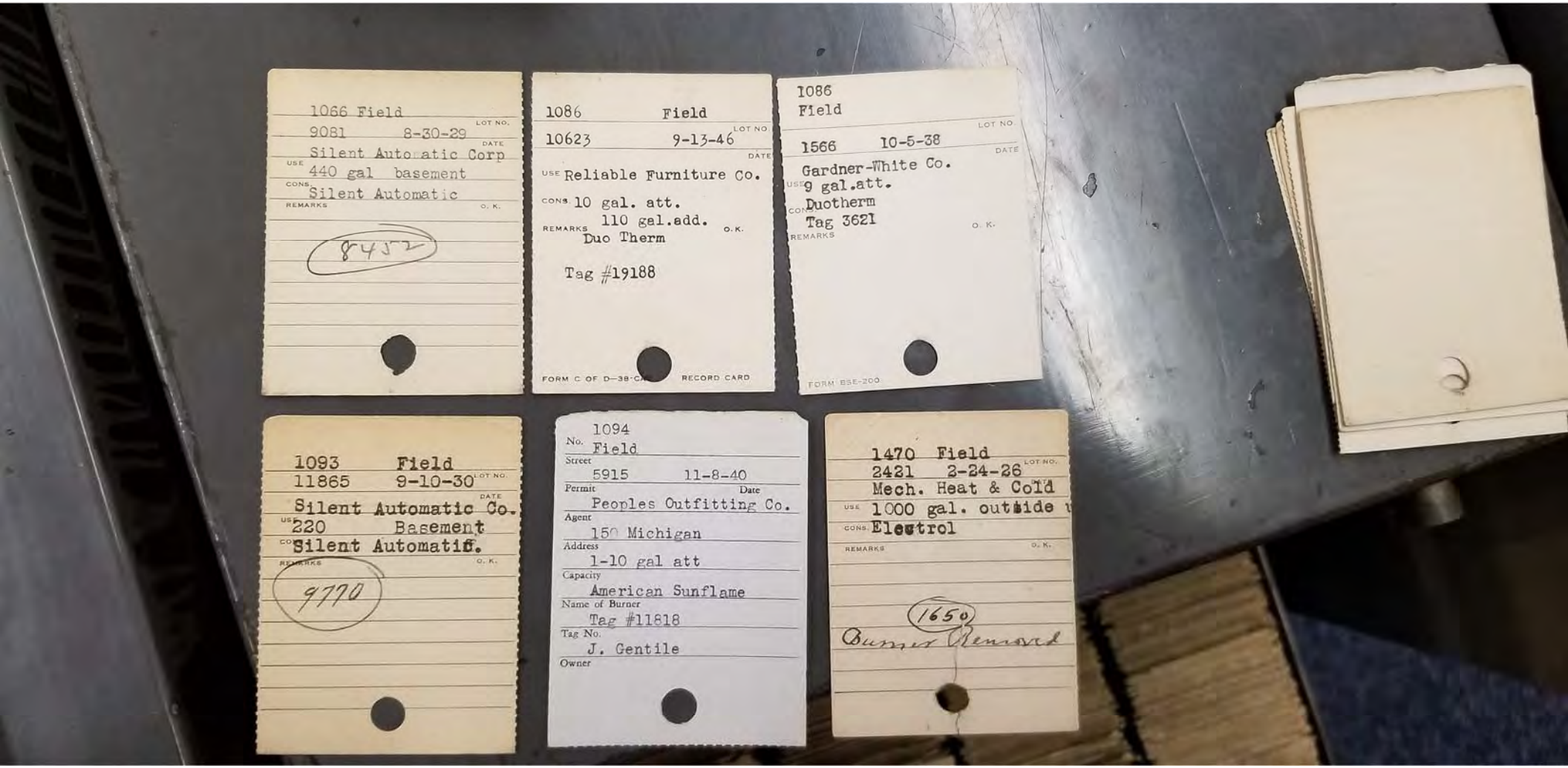
1016 Field 40
Lot No.
75290 7-17-56
Date
Use
Cons. Wm. A. McKinnon Co
Gilbarco
Remarks 2-220 gal. tanks
basement
Complied 8-22-57
C of D—38-CA-A Record Card

1025 Field 40
Lot No.
67783 1-11-55
Date
Use
Cons.
A & A Htg. & Stoker
Remarks Delco
1-275 gal. tank
Bsmt.
7T 48985
C of D—38-CA-A Record Card

1038 FIELD
10408 3/14/46
PEOPLES OUTFITTING
150 MICHIGAN
TEN GALLONS ATT
DUO THERM
15556
DAVID BUCHANAN

~~1040~~ 1044
FIELD
2046 11-28-38
PEOPLES OUTFITTING
150 MICHIGAN
1-10 GAL ATT
DUOTHERM
TAG #5162
MILO FISH

1066 Field Ave.
9081A 11-22-29
Coffey-Smith Co.,
440 gal basement
Sundstrand
23302



1066 Field
9081 8-30-29
LOT NO. DATE
Silent Automatic Corp
USE 440 gal basement
CONS. Silent Automatic
REMARKS O. K.
8452

1086 Field
10623 9-13-46
LOT NO. DATE
USE Reliable Furniture Co.
CONS 10 gal. att.
110 gal.add.
REMARKS O.K.
Duo Therm
Tag #19188
FORM C OF D-38-C RECORD CARD

1086
Field
LOT NO.
1566 10-5-38
DATE
Gardner-White Co.
USE 9 gal.att.
CON Duotherm
Tag 3621
REMARKS O. K.
FORM BSE-200

1093 Field
11865 9-10-30
LOT NO. DATE
Silent Automatic Co.
USE 220 Basement
CO Silent Automatic.
REMARKS O. K.
9770

No. 1094
Field
Street
5915 11-8-40
Permit Date
Peoples Outfitting Co.
Agent
150 Michigan
Address
1-10 gal att
Capacity
American Sunflame
Name of Burner
Tag #11818
Tag No.
J. Gentile
Owner

1470 Field
2421 3-24-26
LOT NO.
Mech. Heat & Cold
USE 1000 gal. outside
CONS. Electrol
REMARKS O. K.
1650
Burner Removed

234 E. Grand Blvd 40

70199 4-29-55

Lot No. Date

Use

Cons. Winkler Detroit Co

Remarks Winkler O.K.
1-275 gal. tank
basement

754595
7-8-55

C of D—38-CA-A Record Card

234 East Grand Blvd. 40

62921 8-30-54

Lot No. Date

Use

Cons. Winkler Detroit Co.

Remarks Winkler O.K.
1-220 Gal. Tank
Basement

748691
1-21-55

C of D—38-CA-A Record Card

10.6 Interview Documentation: MSHDA User's Questionnaire and Owner Questionnaire

SECTION VIII: 2019 - USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

The Authority requires the completion of its "User's Environmental Questionnaire and Disclosure Statement" to fulfill Section 6, User's Responsibilities of the ASTM Standard E 1527-13. **The checklist is to be completed and signed by the sponsor (developer), and returned to the Environmental Professional conducting the Phase I. This questionnaire is to be reviewed by the Environmental Professional and incorporated into their Phase I report (the completed User's Questionnaire is to be included in Appendix 10.6 of the Phase I report). Failure to properly complete this process will result in delays.**

In preparing this document, the **"User" (Sponsor)** must make a good faith effort to answer the questions in the checklist. The User or a preparer designated by the User presents that to the best of his/her knowledge, the above statements and facts are true and correct and that to the best of the preparer's knowledge, no material facts have been omitted or misstated. Time and care should be taken to check whatever records are in the User's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified, or cannot be obtained, the burden is on the Environmental Professional to determine whether further inquiry is appropriate. The User should document the reason for any affirmative answer to provide the Environmental Professional with all appropriate information. Moreover, the Environmental Professional must determine if further inquiry in any area where the property owner provides incomplete information is warranted, providing written explanation for their recommendation(s).

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the User must provide the following information (if available) to the Environmental Professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

User's (Sponsor's) Name: FIELD STREET LIMITED DIVIDEND HOUSING
User's (Sponsor's) Telephone No.: 313-267-1065 ASSOC., LP
User's (Sponsor's) Fax No.: 313-656-2045
Subject Property: MULTIPLE ADDRESSES
Property Address: SEE ATTACHED LIST OF ADDRESSES
City: DETROIT **State:** MI **Zip:** _____

1.0 **Environmental Cleanup Liens:**

Are you aware of any environmental cleanup liens against the property that are filed, recorded, or unrecorded under federal, tribal, state, or local law?

__ YES X NO (If "YES," please describe)

2.0 **Activity and Land Use Limitations:**

Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?

__ YES X NO (If "YES," please describe)

3.0 **Specialized Knowledge or Experience of the User:**

(a) As the user of this ESA do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?

__ YES X NO (If "YES," please describe)

(b) Are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

__ YES X NO (If "YES," please describe)

4.0 **Relationship of Purchase Price to Fair Market Value:**

(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

X YES __ NO (If "YES," please describe)

(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

__ YES __ NO (If "YES," please describe) N.A.

5.0 **Commonly Known or Reasonably Ascertainable Information:**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? Please list: ALL PROPERTIES WERE PURCHASED AS VACANT LAND FOR RESIDENTIAL DEVELOPMENT PRIOR USE WAS RESIDENTIAL PRIOR TO DEMOLITION

(b) Do you know the specific chemicals that are present or once were present at the property?

__ YES X NO (If "YES," please describe)

(c) Do you know of spills or other chemical releases that have taken place at the property?

__ YES X NO (If "YES," please describe)

(d) Do you know of any environmental cleanups that have taken place at the property?

__ YES X NO (If "YES," please describe)

6.0 **Presence or Likely Presence of Contamination:**

As the user of this ESA and based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

__ YES X NO (If "YES," please describe)

User's Signature: Richard A. Cannon Jr. Date 10/11/2019

User's Printed Name: RICHARD A. CANNON JR.

SECTION VIII: 2019 - USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

The Authority requires the completion of its "User's Environmental Questionnaire and Disclosure Statement" to fulfill Section 6, User's Responsibilities of the ASTM Standard E 1527-13. **The checklist is to be completed and signed by the sponsor (developer), and returned to the Environmental Professional conducting the Phase I. This questionnaire is to be reviewed by the Environmental Professional and incorporated into their Phase I report (the completed User's Questionnaire is to be included in Appendix 10.6 of the Phase I report). Failure to properly complete this process will result in delays.**

In preparing this document, the **"User" (Sponsor)** must make a good faith effort to answer the questions in the checklist. The User or a preparer designated by the User presents that to the best of his/her knowledge, the above statements and facts are true and correct and that to the best of the preparer's knowledge, no material facts have been omitted or misstated. Time and care should be taken to check whatever records are in the User's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified, or cannot be obtained, the burden is on the Environmental Professional to determine whether further inquiry is appropriate. The User should document the reason for any affirmative answer to provide the Environmental Professional with all appropriate information. Moreover, the Environmental Professional must determine if further inquiry in any area where the property owner provides incomplete information is warranted, providing written explanation for their recommendation(s).

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the User must provide the following information (if available) to the Environmental Professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

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User's (Sponsor's) Telephone No.: 313-267-1065 ASSOC., LP.
User's (Sponsor's) Fax No.: 313-656-2045
Subject Property: MULTIPLE ADDRESSES
Property Address: SEE ATTACHED LIST OF ADDRESSES
City: DETROIT **State:** MI **Zip:** _____

1.0 **Environmental Cleanup Liens:**

Are you aware of any environmental cleanup liens against the property that are filed, recorded, or unrecorded under federal, tribal, state, or local law?

__ YES X NO (If "YES," please describe)

2.0 **Activity and Land Use Limitations:**

Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?

__ YES X NO (If "YES," please describe)

3.0 **Specialized Knowledge or Experience of the User:**

(a) As the user of this ESA do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?

__ YES X NO (If "YES," please describe)

(b) Are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

__ YES X NO (If "YES," please describe)

4.0 **Relationship of Purchase Price to Fair Market Value:**

(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

X YES __ NO (If "YES," please describe)

(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

__ YES __ NO (If "YES," please describe) N.A.

5.0 **Commonly Known or Reasonably Ascertainable Information:**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user.

(a) Do you know the past uses of the property? Please list: MOST PARCEL PURCHASED AS VACANT LAND FOR RESIDENTIAL DEVELOPMENT. PRIOR USE WAS RESIDENTIAL PRIOR TO DEMOLITIONS.

(b) Do you know the specific chemicals that are present or once were present at the property?

__ YES X NO (If "YES," please describe)

(c) Do you know of spills or other chemical releases that have taken place at the property?

__ YES X NO (If "YES," please describe)

(d) Do you know of any environmental cleanups that have taken place at the property?

__ YES X NO (If "YES," please describe)

6.0 **Presence or Likely Presence of Contamination:**

As the user of this ESA and based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

__ YES X NO (If "YES," please describe)

User's Signature: Richard A Cannon Date 10/11/2019

User's Printed Name: RICHARD A CANNON JR.

ASTI Environmental Phase I ESA

OWNER QUESTIONNAIRE

Respondent Name: Richard Cannon **Signature:** Richard A Cannon

Time of Association with the Property: since 9/2017 **Title** Exec. Director

Date: 10/30/19

Phone Number and/or Email Address: 313-267-1065

Subject Property Address: See attached list

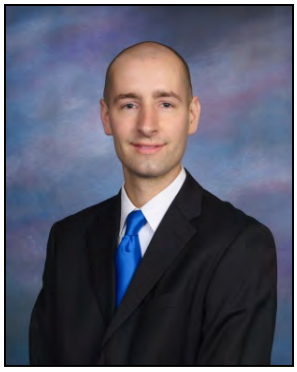
Please answer all questions to the best of your knowledge and in good faith.

	Question	Response		Comment (Please provide for Yes responses)
		Yes	No	
1	Is the Property currently used for manufacturing or industrial use?	☐	☑	
2	Is an adjacent property currently used for manufacturing or industrial use?	☐	☑	
3	Has the property or adjoining property been used for manufacturing or industrial purposes in the past?	☐	☑	Not to my knowledge
4	To the best of your knowledge, has the property been used as a gas station, motor repair facility, print shop, dry cleaner, photo lab, junkyard, recycling facility, or landfill?	☐	☑	
5	To the best of your knowledge, has an adjacent property been used as a gas station, motor repair facility, print shop, dry cleaner, photo lab, junkyard, recycling facility, or landfill?	☐	☑	
6	Are there any pesticides, herbicides, automotive or industrial batteries, paints or other chemicals stored on the property (exclude those <5 gallons unless in large quantities of >25 gallons total)?	☐	☑	
7	Have pesticides, herbicides, or other agricultural chemicals been stored, mixed, or applied to the property?	☐	☑	Not to my knowledge
8	Are there any plastic or metal drums (typically 55-gallon) located on the property?	☐	☑	
9	Has fill dirt from an offsite source been placed on the property that may be contaminated or from an unknown source?	☐	☑	Not to my knowledge
10	Has any construction debris, substances identified as hazardous substances, unidentified wastes, tires, batteries, or other wastes been dumped above grade, buried, or burned at the property?	☐	☑	Not to my knowledge
11	Is there any soil on the property that has been obviously stained?	☐	☑	
12	Does the property discharge waste water, on or adjacent to the property, other than storm water into a sewer system or retention/detention pond?	☐	☑	
13	Is the property served by a private well or non-public water system? Include potable and irrigation wells.	☐	☑	
14	Do you know of former water (potable or irrigation) wells associated with the property?	☐	☑	
15	Is there currently or has there been in the past a septic system for the property?	☐	☑	Not to my knowledge
16	Are there or have there been in the past any pits, ponds, or lagoons associated with waste treatment or disposal on the property?	☐	☑	Not to my knowledge

	Question	Response		Comment (Please provide for Yes responses)
		Yes	No	
17	Are there storage tanks, above ground or underground, located on the property?	☐	☑	Not to my knowledge
18	In the past, have there been storage tanks, above ground or underground, located on the property?	☐	☑	Not to my knowledge
19	Have polychlorinated biphenyls (PCBs) been used in electrical transformers, capacitors, or other equipment at the property?	☐	☑	Not to my knowledge
20	Is there a transformer on the property that is not owned by a public or private utility company for which there are no records indicating the absence of PCBs?	☐	☑	Not to my knowledge
21	Do you have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property?	☐	☑	
22	Are there currently or have there been in the past any floor drains, sumps, and/or oil-water separators on the property?	☑	☐	Drains in basements
23	If yes, to question 22, do the drains/sumps discharge to the sewer system?	☑	☐	To the best of my knowledge
24	Are you aware of the presence of asbestos-containing materials?	☐	☑	Not to my knowledge
25	Are you aware of the presence of lead-based paint?	☐	☑	Not to my knowledge
26	Is there an asbestos and/or lead-based paint Operations & Maintenance Program in place?	☐	☑	
27	Has the water ever been tested for lead?	☐	☑	Not to my knowledge
28	Has radon testing ever been conducted?	☐	☑	Not to my knowledge
29	Is there now or has there been evidence of mold or mildew present?	☑	☐	Mold was remediated at 1481 and 1485 Field St
30	Are there any prior environmental investigations (Phase I ESAs, Phase II ESAs, geotechnical reports, remedial reports, etc.) available?	☐	☑	Not to my knowledge
31	Please provide a brief description of the historical use of the property including construction dates, past operations, former buildings, etc.	A. Field Street I Development, 21 townhouse residential units constructed in 1994, B. Field Street II Development, 5-unit apt building renovated, 24 townhouse residential units constructed in 1998.		

10.7 Special Contractual Conditions Between User and Environmental Professional: FEMA Map, NWI Map, Airport Noise Contour Maps, and Pipe Line Map

10.8 Qualifications of the Environmental Professional(s): Resume of EP(s) and Additional Staff



Anthony LLoyd Spencer, EP

Associate II

PROFILE

Certifications/Training
Environmental Professional (AAI)
40-Hour OSHA HAZWOPER Training
HUD Basic Environmental Training, August 2012

Education and Training
Wayne State University, B.S., Environmental Science, Minor, Geology, May 2011

Experience History
Associate II, Property Service Group, ASTI ENVIRONMENTAL
Research Assistant, Ohio State University, School of Environment and Natural Resources
Research Assistant, Wayne State University, Department of Biology

Professional Background
Mr. Spencer specializes in Phase I environmental site assessments (ESAs). He has completed ESAs for residential, commercial, and industrial sites. He has experience working in Michigan, Ohio, Kentucky, Oklahoma, Pennsylvania, and North Carolina. Work has included vacant land, apartment complexes, residential scattered lots, former plating facilities, print shops, landfills, auto garages, gasoline stations, and schools. The property evaluations have included site inspections, historical research, and contact with federal, state, and local agencies. Mr. Spencer also has experience assisting with Phase II ESA sampling and report preparation, noise assessments, NEPA reporting, HUD narratives, and SHPO consultation.

Mr. Spencer has also conducted tree identification and timber cruising for the U.S. Fish & Wildlife Service in Michigan's Upper Peninsula.

Years Experience:

7 --- ASTI
2 --- other agencies

PAMELA S. CHAPMAN, PE

Group Leader Phase I ESAs

PROFILE

Education
University of Michigan, B.S.E., Civil Engineering, 1990

Certifications/Training
Professional Engineer (PE), MI No. 67062
Environmental Professional (AAI)
OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2019)
American Red Cross Adult First Aid and CPR Certified
ASTM Certification in Risk-Based Corrective Action (RBCA) Applied at Petroleum Release Sites
ITRC, Petroleum Vapor Intrusion: Fundamentals of Screening, Investigation, and Management
ITRC, Light Non-Aqueous Phase Liquids
EDR ASTM E1527-13 Online Course

Experience History
Group Leader Phase I ESAs, Property Services Group, ASTI Environmental
Project Manager, Inland Seas Engineering, Inc.
Project Manager, Environmental Investigations, Inc.
Project Engineer, Testing Engineers & Consultants, Inc.
Project Engineer, Dell Engineering, Inc.

PROFESSIONAL BACKGROUND

Ms. Chapman specializes in Phase I Environmental Site Assessments (ESAs). She has completed ESAs for residential, commercial, and industrial sites. Work has included vacant land, residential lots, dry cleaners, print shops, landfills, auto garages, gasoline stations, and a former foundry. The property evaluations have included site inspections, historical research, and contact with federal, state, and local agencies. Ms. Chapman also has experience conducting Phase II ESA sampling, preparing Baseline Environmental Assessments, Due Care Plans, Leaking Underground Storage Tank reports, and Part 201 No Further Action reports.

Years Experience: <1 - ASTI ENVIRONMENTAL
26 - OTHER FIRMS/AGENCIES

10.9 MSHDA Phase I Letter of Reliance

ASTI ENVIRONMENTAL

Investigation • Remediation
Compliance • Restoration

10448 Citation Drive, Suite 100
Brighton, MI 48116

Mailing Address:
P.O. Box 2160
Brighton, MI 48116-2160
800 395-ASTI
Fax: 810.225.3800

www.asti-env.com

November 13, 2019

PRIVILEGED AND CONFIDENTIAL

Mr. Dan Lince
Environmental Manager
Rental Development Division
Michigan State Housing Development Authority
735 E. Michigan Avenue
Lansing, Michigan 48912

RE: Phase I ESA for: Field Street I & II, Field Street and E. Grand Boulevard, Detroit, MI, ASTI Project 11284 dated November 13, 2019

Dear Mr. Lince:

Please find enclosed the Phase I Environmental Site Assessment (ESA) for the subject property November 13, 2019 to the Michigan State Housing Development Authority.

It is my understanding that the information contained in the Phase I Environmental Site Assessment will be used by the Authority in considering proposed financing of residential development of the subject property and, furthermore, that the Authority may rely upon the Phase I Environmental Site Assessment as if it was issued to the Authority.

I **represent** that the attached is a true, correct and complete copy of the Phase I Environmental Site Assessment for the above captioned property and that the report represents my professional opinion of the site as of this date and that I meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312. I also **represent** that the Phase I Environmental Site Assessment including the evaluation, recommendations, and conclusions as of this date has been performed in conformance with the scope and limitations of the ASTM Practice E 1527-13, ASTM Practice E 2600-15, and MSHDA's Environmental Review Requirements for 2019.

Sincerely,

ASTI Environmental

Anthony Spencer
Environmental Professional

10.10 Copy of Environmental Professional Insurance Certificate

Attachment B
Soil Boring Logs

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Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-2**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1070 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	10"	Topsoil, very fine to medium grained sand, trace to some silt and organics, dark brown, moist, loose (fill)	0.0	
10"	7'	SILTY fine to very coarse grained SAND, some clay, trace brick, glass, concrete, and wood, occasional sand seams, brown, moist, medium dense (fill)	0.0	Soil at 1-2'
7'	8'	SILTY CLAY, trace very fine to medium grained sand and gravel, brown, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-3**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1074 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, silty very fine to medium grained sand, trace organics, brown to dark brown, moist, loose (fill)	0.0	
6"	6'	SAND, very fine to medium grained, trace silt, brick at 5.5' bgs, brown, moist, loose (fill)	0.0	Soil at 4.5-5.5'
6'	8'	SILTY CLAY, trace very fine to coarse grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-5**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1100 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	10"	Topsoil, very fine to fine grained sand, trace silt and organics, dark brown, moist, loose (fill)	0.0	
10"	3'	SAND, fine to medium grained, trace silt, brick, and asphalt, brown to dark brown, moist, loose (fill)	0.0	Soil at 1-2'
3'	5.5'	SAND, very fine to fine grained, trace silt, brown, moist, loose (fill)	0.0	
5.5'	8'	SILTY CLAY, trace very fine to very coarse grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
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( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-6**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1104 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, very fine to medium grained sand, trace silt, organics, brick, and asphalt, dark brown, moist, loose (fill)	0.0	
6"	2.5'	SAND, very fine to medium grained, trace to some silt, trace brick, dark brown, moist, loose (fill)	0.0	Soil at 1.5-2.5'
2.5'	6.5'	SAND, very fine to medium grained, trace medium to coarse grained sand, brown, moist, loose (fill)	0.0	
6.5'	8'	SILTY CLAY, trace very fine to very coarse grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-7**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1108 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, very fine to medium grained sand, trace silt and organics, dark brown, moist, loose (fill)	0.0	
6"	3.5'	SAND, very fine to medium grained, some silt, trace roots and concrete, brown, moist, loose (fill)	0.0	Soil at 1-2'
3.5'	7.5'	SAND, very fine to medium grained, trace silt, large piece of concrete and wood at 7.5' bgs, brown, moist, loose (fill)	0.0	
7.5'	8'	SILTY CLAY, trace very fine to very coarse grained sand, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-8**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, silty very fine to fine grained sand, trace organics, dark brown, moist, medium dense (fill)	0.0	
6"	2'	SAND, very fine to medium grained, trace asphalt, concrete, and brick, brown, moist, loose (fill)	0.0	Soil at 1-2'
2'	8'	SILTY CLAY, trace very fine to very coarse grained sand, dark brown with grey mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
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( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-9**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1095 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, silty very fine to medium grained sand, trace organics, dark brown, moist, loose (fill)	0.0	
6"	4'	SILTY fine to very coarse grained SAND, some clay, trace brick, concrete, and asphalt, occasional sand seams, varigated brown, orange, and black, medium dense (fill)	0.0	Soil at 2-3'
4'	5.5'	SAND, very fine to fine grained, trace medium grained sand and silt, brown, moist, medium dense (fill)	0.0	
5.5'	8'	SILTY CLAY, trace very fine to medium grained sand and gravel, brown, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-10**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1085 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, very fine to medium grained sand, trace silt, dark brown, moist, loose (fill)	0.0	
6"	6'	SAND, fine to medium grained, trace very fine grained sand and silt, brown, moist, loose (fill)	0.0	Soil at 1-2'
6'	8'	SILTY CLAY, trace very fine to coarse grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-11**
Total Depth:	12' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1067 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	Topsoil, very fine to medium grained sand, some silt, trace organics, dark brown, moist, loose (fill)	0.0	
4"	2.5'	SAND, very fine to coarse grained sand, trace silt, brick, and concrete, brown, moist, loose (fill)	0.0	
2.5'	3'	SAND, medium to coarse grained, black, moist, loose (fill)	0.0	
3'	3.5'	SAND, very fine to coarse grained sand, trace silt, brick, and concrete, brown, moist, loose (fill)	0.0	Soil at 3-3.5'
3.5'	4'	Concrete and brick (fill)	0.0	
4'	9'	SAND, fine to medium grained, trace coarse grained sand and silt, brown, moist, loose (fill)	0.0	
9'	12'	SILTY CLAY, trace very fine to medium grained sand, trace gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-12**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1065 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Topsoil, very fine to medium grained sand, some silt, trace organics, dark brown, moist, medium dense (fill)	0.0	
8"	6'	SAND, fine to medium grained, trace coarse grained sand, brick, concrete, and asphalt, varigated brown, orange, and black (fill)	0.0	Soil at 1-2'
6'	7'	SAND, fine to very coarse grained, trace gravel and concrete, moist, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace vvery fine to coarse grained sand, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-13**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1065 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, silty very fine sand, trace to some organics, dark brown, moist, loose (fill)	0.0	
6"	2.75'	SAND, fine to medium grained, trace silt, brick, and concrete, occasional silty clay seams, brown, moist, medium dense (fill)	0.0	Soil at 1.5-2.5'
2.75'	3.75'	Brick	0.0	
3.75'	6'	SAND, fine to medium grained, trace silt, brick, and concrete, occasional silty clay seams, brown, moist, medium dense (fill)	0.0	
6'	7'	SAND, fine to coarse grained, brown, wet, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace very fine to coarse grained sand, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-14**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1047 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, very fine to fine grained sand, trace silt, dark brown, moist, loose (fill)	0.0	
6"	5'	SAND, very fine to fine grained, trace medium grained sand, silt, brick, and cinders, varigated brown, orange, and black, moist, loose (fill)	0.0	Soil at 4-5'
5'	6'	SAND, very fine to fine grained, orange, moist, loose (fill)	0.0	
6'	8'	SILTY CLAY, trace very fine to very coarse sand, trace gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-15**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1045 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	10"	Topsoil, very fine to fine grained sand, trace silt, organics, and asphalt, dark brown, moist, loose (fill)	0.0	
10"	3'	SAND, fine to medium grained, light brown, moist, loose (fill)	0.0	
3'	7.5'	SAND, very fine to medium grained, trace to some silt, trace brick and organics, brown, moist, medium dense (fill)	0.0	Soil at 3-4'
7.5'	8'	SILTY CLAY, trace very fine to very coarse grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-16**
Total Depth:	12' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1029 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, very fine to fine grained sand, trace silt and organics, dark brown, moist, loose (fill)	0.0	
6"	6.5'	SAND, fine to medium grained, trace very fine to fine grained sand and silt, light brown, moist, loose (fill)	0.0	
6.5'	8'	CLAYEY SILT, some very fine to medium sand, trace brick and asphalt, medium stiff (fill)	0.0	Soil at 7-8'
8'	12'	SILTY CLAY, trace very fine to medium grained sand, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-17**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1007 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	Topsoil, silty very fine to fine grained sand, trace organics, dark brown, moist, medium dense (fill)	0.0	
4"	4'	SANDY CLAY, some silt, trace brick, glass, concrete, slag, and asphalt, occasional silty clay and sand seams, brown, medium stiff (fill)	0.0	Soil at 1-2'
4'	8'	SANDY CLAY, some silt, brown with grey mottling, stiff (clay loam)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-18**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284

Date Completed:	4/6/2020

Site Address:	1005 Field Street
	Detroit, Michigan

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	10"	SILTY very fine grained SAND, trace organics, dark brown, moist, medium dense (fill)	0.0	
10"	4.5'	SAND, very fine to medium grained, trace to some silt, trace brick, concrete, and asphalt, occasional sand seams, brown to dark brown, moist, medium dense (fill)	0.0	Soil at 1.5-2.5'
4.5'	8'	SILTY CLAY, trace very fine to very coarse grained sand and gravel, brown with grey mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-19**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	240 E. Grand Blvd
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	2"	Topsoil, silty very fine grained sand, trace organics, dark brown, moist, medium dense (fill)	0.0	
2"	4'	SAND, very fine to medium grained, trace wood, asphalt, and concrete, occasional fine grained sand seams, brown to dark brown, moist, medium dense (fill)	0.0	Soil at 1-2'
4'	5'	SAND, fine to medium grained, trace silt, brown, loose (fill)	0.0	
5'	6.5'	SILTY fine to medium grained SAND, trace brick and asphalt, brown to dark brown, moist, medium dense (fill)	0.0	
6.5'	8'	SILTY CLAY, trace very fine to fine grained sand, occasional cobbles, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-20**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	244 E. Grand Blvd
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Topsoil, very fine to medium grained sand, some silt, trace organics, dark brown, moist, medium dense (fill)	0.0	
8"	4.5'	SAND, fine to medium grained, trace to some clay, trace gravel, brick, asphalt, and wood, varigated brown, orange, and black, medium dense (fill)	0.0	Soil at 2-3'
4.5'	7'	SAND, very fine to medium grained, trace silt, brown, moist, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace fine to very coarse sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-21**
Total Depth:	7.5' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	250 E. Grand Blvd
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Jeremy Efros

Date Completed:	4/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Topsoil, very fine to fine grained sand, trace silt and organics, dark brown, moist, medium dense (fill)	0.0	
8"	1.5'	SAND, fine to medium grained, trace coarse sand, silt, gravel, brick, and concrete, brown, loose (fill)	0.0	
1.5'	2.5'	SILTY CLAY, trace concrete, brown with grey mottling, stiff (fill)	0.0	
2.5'	4'	SAND, fine to coarse grained, trace asphalt, brick, and roots, brown to black, medium dense (fill)	0.0	Soil at 3-4'
4'	5'	SILTY CLAY, trace concrete, brown with grey mottling, stiff (fill)	0.0	
5'	7.5'	SAND, fine to medium grained, trace coarse sand, brick, asphalt, and concrete, brown, moist, loose (fill)	0.0	
		Refusal at 7.5' bgs, End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-31**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284

Date Completed:	8/5/2020

Site Address:	250 E. Grand Boulevard
	Detroit, Michigan

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 3-4'
6"	4'	SAND, fine to medium grained, trace very fine and coarse grained sand, gravel, brick, and glass, brown, moist, loose (fill)	0.0	
4'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-32**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	250 E. Grand Boulevard
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 3-4'
6"	6.25'	SAND, fine to medium grained, trace very fine and coarse grained sand, gravel, and brick, some clay, brown, moist, loose (fill)	0.0	
6.25'	7.75'	SAND, medium to coarse grained, trace very fine to fine grained sand and gravel, brown, moist, loose (fill)	0.0	
7.75'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, grey, medium stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-33**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	250 E. Grand Boulevard Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 5-5.5'
6"	8'	SAND, fine to medium grained, trace gravel, silt, brick, and concrete, brown, moist, loose (fill)	0.0	
8'	~	Refusal	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-34**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	250 E. Grand Boulevard Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 5-5.5'
6"	6.25'	SAND, fine to medium grained, trace very fine and coarse grained sand, brick, concrete, and gravel, some clay, brown, moist, loose (fill)	0.0	
6.25'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-35**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	250 E. Grand Boulevard Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 3-4'
6"	5'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-36**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	250 E. Grand Boulevard Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 3-4'
6"	6'	SAND, fine to medium grained, trace very fine and coarse grained sand, gravel, brick, and concrte, dark brown, brown, and black varigated, moist, loose (fill)	0.0	
6'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-37**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	244 E. Grand Boulevard
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5'
6"	1.5'	SAND, fine to mediumm grained, trace very fine grained sand, gravel, and wood, brown, moist, loose (fill)	0.0	
1.5'	2.5'	SAND, fine to medium grained trace very fine grained sand and gravel, some clay, brown, moist, compact (fill)	0.0	Soil at 2-3'
2.5'	6'	SAND, fine to medium grained, trace very fine grained sand and gravel, brown, moist, loose (fill)	0.0	
6'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-38**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	244 E. Grand Boulevard
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	1'	SAND, fine to medium grained, trace very fine grained sand and gravel, some clay, brown, moist, compact (fill)	0.0	
1'	4'	SAND, fine to medium grained, trace very fine grained sand and brick, dark brown, brown, and black varigated, moist, loose (fill)	0.0	
4'	5.5'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	Soil at 4.5-5'
5.5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, grey, medium stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-39**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	244 E. Grand Boulevard
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	3'	SAND, fine to medium grained, trace very fine grained sand, brick, and glass, some clay, brown, moist, compact (fill)	0.0	
3'	7'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	Soil at 4.5-5'
7'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-40**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	244 E. Grand Boulevard
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	6'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, dark brown, brown, and light brown varigated, moist, loose (fill)	0.0	
6'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-41**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	246 E. Grand Boulevard
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 3-4'
6"	7'	SAND, fine to medium grained, trace very fine and coarse grained sand, dark brown, brown, and light brown varigated, moist, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-42**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1051 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	
6"	3.5'	SAND, fine to medium grained, trace very fine grianed sand, gravel, and brick, brown, moist, loose (fill)	0.0	Soil at 1-2'
3.5'	6.5'	SAND, fine to medium grained, trace coarse to very coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
6.5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-43**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1051 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	
6"	6'	SAND, fine to medium grained, trace very fine grianed sand, gravel, brick, and concrete, brown, moist, loose (fill)	0.0	Soil at 1-2', 2-2.5'
6'	8'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-44**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1051 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	
6"	1.5'	SAND, fine to medium grained, trace concrete and brick, brown, moist, loose (fill)	0.0	Soil at 1-2', 2-2.5'
1.5'	4'	SILTY CLAY, trace very fine to fine grained sand, gravel, and brick, brown, soft (fill)	0.0	
4'	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, brick, and concrete, moist, loose (fill)	0.0	
8'	~	Refusal	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-45**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1051 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	
6"	1.25'	SAND, fine to medium grained, trace very fine grained sand, gravel, and brick, brown, moist, loose (fill)	0.0	Soil at 1-2'
1.25'	4'	SILTY CLAY, trace very fine to fine grained sand, gravel, and brick, brown, medium stiff (fill)	0.0	
4'	7'	SAND, medium to coarse grained, trace very fine to fine grained sand and gravel, dark brown, brown, and light brown varigated, moist, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, medium stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-46**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1065 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	
6"	5'	SAND, fine to medium grained, trace gravel and clay, dark brown, moist, loose (fill)	0.0	Soil at 1-2'
5'	8'	SAND, fine to medium grained, trace gravel, light brown, moist, loose (fill)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-47**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1051 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	
6"	3.5'	SAND, fine to medium grained, trace very fine grained sand, gravel, brick, and concrete, brown, moist, loose (fill)	0.0	Soil at 1-2'
3.5'	4'	SILTY CLAY, trace very fine to fine grained sand, gravel, and brick, brown, stiff (fill)	0.0	
4'	7'	SAND, fine to medium grained, trace coarse to very coarse graind sand, brown, moist, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-48**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1070 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2', 2-2.5'
6"	1'	SAND, fine to medium grained, trace gravel and brick, brown, moist, loose (fill)	0.0	
1'	6'	SILTY CLAY, trace very fie to fine grained sand and gravel, grey, stiff (fill)	0.0	
6'	7'	SAND, fine to medium grained, trace very fine grained sand, gravel, and brick, dark brown, moist, loose (fill)	0.0	
7'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-49**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1070 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2', 2-2.5'
6"	5'	SAND, fine to medium grained, trace very fine grained sand, gravel, glass, and concrete, some clay, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and grael, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-50**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1070 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2', 2-2.5'
6"	3.5'	SILTY CLAY, trace very fine to fine grained sand, gravel, and brick, brown, stiff (fill)	0.0	
3.5'	5'	SAND, fine to medium grained, trace very fine grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasinoal silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-51**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1070 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2', 2-2.5'
6"	1.5'	SAND, fine to medium grained, trace very fine grained sand, gravel, clay, brick, concrete, and glass, brown, moist, loose (fill)	0.0	
1.5'	5.75'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5.75'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasinoal silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-52**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1070 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/5/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2', 2-2.5'
6"	1'	SAND, fine to medium grained, trace very fine grained sand, gravel, and brick, brown, moist, loose (fill)	0.0	
1'	3.25'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown, stiff (fill)	0.0	
3.25'	6'	SAND, fine to medium grained, trace very fine grained sand and gravel, brown, moist, loose (fill)	0.0	
6'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-53**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1095 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	4'	SAND, fine to medium grained, trace gravel, brick, and concrete, dark brown, moist, loose (fill)	0.0	
4'	5'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-54**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1095 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	3'	SAND, fine to medium grained, trace gravel and brick, some clay, dark brown, moist, loose (fill)	0.0	
3'	4'	SAND, fine to medium grained, trace very fine and coarse grained sand, brown, moist, loose (fill)	0.0	Soil at 3-4'
4'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-55**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1095 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3', 3-4'
6"	4'	SAND, fine to medium grained, trace coarse grained sand, gravel, and brick, brown, moist, loose (fill)	0.0	
4'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-56**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1095 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	5'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, dark brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-57**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1095 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-3'
6"	4'	SILTY CLAY, trace very fine to fine grained sand, gravel, and brick, brown, stiff (fill)	0.0	
4'	5'	SAND, fine to medium grained, trace coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-58**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	3.75'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown, stiff (fill)	0.0	
3.75'	5'	SAND, fine to medium grianed, trace coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown with grey mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-59**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	4'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, dark brown, brown, and light brown varigated, moist, loose (fill)	0.0	
4'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-60**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-2.5'
6"	3.75'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown, stiff (fill)	0.0	
3.75'	5'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-61**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	1'	SAND, fine to medium grained, trace coarse grained sand, gravel,brick, and glass, brown, moist, loose (fill)	0.0	
1'	5.5'	SAND, fine to medium grained, trace coarse grained sand, brown, moist, loose (fill)	0.0	
5.5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-62**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 2-2.5'
6"	5'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown, stiff (silty clay)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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SOIL BORING LOG

Boring Data	
Boring ID:	**SB-63**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1103 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	5'	SAND, fine to medium grained, trace very fine and coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-64**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1100 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	5'	SAND, fine to medium grained, trace coarse grained sand and gravel, dark brown, brown, and light brown varigated, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-65**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1100 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5'
6"	3'	SAND, fine to medium grained, trace gravel, clay, brick, and concrete, brown, moist, loose (fill)	0.0	
3'	4.5'	SAND, fine to medium grained, trace gravel and clay, brown, moist, loose (fill)	0.0	Soil at 3-4'
4.5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

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Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-66**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1100 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	2'	SAND, fine to medium grained, trace very fine to fine grained sand, gravel, brick, and concrete, brown, moist, loose (fill)	0.0	
2'	5'	SAND, fine to medium grained, trace coarse grained sand and gravel, brown, moist, loose (fill)	0.0	Soil at 3-4'
5'	8'	SILTY CLAY, trace very fine to fine grained sand and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-67**
Total Depth:	8' bgs

Proj. Name:	Field Street I & II
Proj. Number:	1-11284
Site Address:	1100 Field Street
	Detroit, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	8/6/2020

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	NA

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	Topsoil, fine to medium grained sand, trace gravel, silt, and organics, dark brown, moist, loose (fill)	0.0	Soil at 0-1.5', 1.5-2'
6"	5'	SAND, fine to medium grained, trace coarse grained sand and gravel, brown, moist, loose (fill)	0.0	
5'	8'	SILTY CLAY, trace very fine to fine grained and gravel, occasional silt seams, grey with brown mottling, stiff (silty clay)	0.0	
		End of Boring		

ppm = parts per million
MW = monitoring well
bgs = below ground surface
( ) = USDA soil texture

Attachment C
Laboratory Analytical Reports and Chain-of-Custody Documentation

Fibertec environmental services

Thursday, April 16, 2020

Fibertec Project Number:	95703
Project Identification:	Field Street and East Grand Boulevard (1-11284) /1-11284
Submittal Date:	04/07/2020

Mr. Brian Kuberski
Applied Science & Technology, Inc. - Brighton
10448 Citation
Suite 100
Brighton, MI 48116

Dear Mr. Kuberski,

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 Rikki Lott at 10:49 AM, Apr 16, 2020

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: 95703
Laboratory Sample Number: 95703-001

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-1 (7-8')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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: 95703-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-1 (7-8')**

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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-1 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8000**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**66000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**180**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**19000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**15000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**310**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-1 (7-8')**

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	9.5	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-1 (7-8')**

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	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
3. Benzene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
7. Bromoform	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
10. n-Butylbenzene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-1 (7-8')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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: 95703-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-1 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
15. Chlorobenzene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
17. Chloroform	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
18. Chloromethane	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
21. Dibromochloromethane	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
35. Ethylbenzene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
37. 2-Hexanone	U		µg/kg	2500	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
40. Methylene Chloride	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
42. MTBE	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
45. Styrene	U		µg/kg	67	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
48. Tetrachloroethene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-1 (7-8')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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: 95703-001A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-1 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
53. Trichloroethene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
59. Vinyl Chloride	U		µg/kg	47	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/09/20	VI20D09A	04/09/20	VI20D09A	JLM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-1 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-2 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:05**

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:** 95703-002 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-2 (1-2')

	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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-002 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-2 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7900**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**160000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**370**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**19000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**90000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**260**		µg/kg	200	10	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-002 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-2 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**53**		µg/kg	50	8.4	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-002A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-2 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-2 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:05**

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: 95703-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-2 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U	F+	µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	F+	µg/kg	330	1.0	04/14/20	VJ20D14B	04/14/20	VJ20D14B	JLM
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	75	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-2 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:05**

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: 95703-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-2 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	290	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	53	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-2 (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 (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	**430**		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	**380**		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup1-S**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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:** 95703-003 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** Dup1-S

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)	**22**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-003 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** Dup1-S

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7800**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**120000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**280**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**19000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**56000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**320**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-003 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** Dup1-S

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**78**		µg/kg	50	9.4	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-003A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** Dup1-S

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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup1-S**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 95703-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: Dup1-S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	78	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup1-S**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 95703-003A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: Dup1-S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	290	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	54	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup1-S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	340	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	**410**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	**350**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	**380**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-3 (4.5-5.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

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: 95703-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-3 (4.5-5.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**17**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-004** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-3 (4.5-5.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Arsenic	**3500**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	2. Barium	**93000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	3. Cadmium	**350**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
	4. Chromium	**8900**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	5. Lead	**300000**		µg/kg	1000	100	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	6. Selenium	**210**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-004** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-3 (4.5-5.5')**

							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	9.1	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-3 (4.5-5.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-3 (4.5-5.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

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: 95703-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-3 (4.5-5.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	69	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-3 (4.5-5.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

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: 95703-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-3 (4.5-5.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	260	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	48	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-3 (4.5-5.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-4 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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:** 95703-005 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-4 (1-2')

	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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-005 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-4 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4800**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**61000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**340**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**9500**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**100000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**270**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-005 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-4 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**68**		µg/kg	50	9.4	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-005A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-4 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-4 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-005A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-4 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	63	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-4 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-005A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-4 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	44	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-005** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-4 (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 (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	**360**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	**380**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	**570**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	**770**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	**400**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	**660**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-5 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:10**

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:** 95703-006 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-5 (1-2')

	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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-006 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-5 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5700**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**870000**		µg/kg	5000	100	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**1100**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**17000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**710000**		µg/kg	1000	100	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**550**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	**130**		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-006 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-5 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**340**		µg/kg	50	9.3	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-006A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-5 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-5 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:10**

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: 95703-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-5 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	64	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-5 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:10**

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: 95703-006A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-5 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	45	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-006** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-5 (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 (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	**370**		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	**560**		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	**390**		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	**490**		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-6 (1.5-2.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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: 95703-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-6 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**14**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-007** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-6 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Arsenic	**3700**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	2. Barium	**58000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	3. Cadmium	**220**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
	4. Chromium	**9400**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	5. Lead	**100000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	6. Selenium	**220**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
	7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-007** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-6 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Mercury	**100**		µg/kg	50	8.4	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-6 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-6 (1.5-2.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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: 95703-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-6 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	64	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-6 (1.5-2.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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: 95703-007A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-6 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	45	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-6 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-7 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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:** 95703-008 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-7 (1-2')

	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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-008 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-7 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6500**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**61000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**260**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**14000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**77000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	U		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-008 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-7 (1-2')

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	8.7	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-008A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-7 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-7 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-008A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-7 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	68	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-7 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-008A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-7 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	260	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	48	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-008** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-7 (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 (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	**400**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	**330**		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-8 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:50**

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:** 95703-009 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-8 (1-2')

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)	**13**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-009 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-8 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8600**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**73000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**250**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**21000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**57000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**250**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-009 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-8 (1-2')

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	8.9	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-009A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-8 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-8 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:50**

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: 95703-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-8 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	66	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-8 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:50**

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: 95703-009A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-8 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	46	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-8 (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 (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-9 (2-3')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:10**

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:** 95703-010 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-9 (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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-010 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-9 (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	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**250000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**750**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**18000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**780000**		µg/kg	1000	200	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**770**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-010 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-9 (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	**250**		µg/kg	50	8.4	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-010A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-9 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-9 (2-3')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:10**

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: 95703-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-9 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	64	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-9 (2-3')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:10**

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: 95703-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-9 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	45	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-9 (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 (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	**950**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	**820**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	**1300**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	**490**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	**440**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	**860**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	**1600**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	**570**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	**1000**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	**1500**		µg/kg	330	20	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-10 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:30**

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:** 95703-011 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-10 (1-2')

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)	**9**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-011 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-10 (1-2')

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	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**15000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**97**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**5200**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**11000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	U		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-011 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-10 (1-2')

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	9.1	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-011A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-10 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-10 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:30**

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: 95703-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-10 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	61	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-10 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:30**

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: 95703-011A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-10 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	43	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-10 (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 (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	04/09/20	PS20D09A	04/09/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-11 (3-3.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-11 (3-3.5')**

	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)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-012** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-11 (3-3.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5200**		µg/kg	100	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
2. Barium	**94000**		µg/kg	1000	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
3. Cadmium	**260**		µg/kg	50	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH
4. Chromium	**12000**		µg/kg	500	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
5. Lead	**300000**		µg/kg	1000	100	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
6. Selenium	**280**		µg/kg	200	20	04/13/20	PT20D13B	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13B	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-012** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-11 (3-3.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**130**		µg/kg	50	9.0	04/09/20	PM20D09C	04/09/20	M720D09B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-11 (3-3.5')**

	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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-11 (3-3.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-11 (3-3.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	59	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-11 (3-3.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-11 (3-3.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	41	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-012** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-11 (3-3.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
3. Anthracene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
9. Chrysene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
12. Fluorene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP
17. Pyrene (SIM)	U		µg/kg	330	15	04/09/20	PS20D09A	04/10/20	S620D09B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-12 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:10**

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:** 95703-013 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-12 (1-2')

	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)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-013 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-12 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5200**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**120000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**420**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**10000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**110000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	**210**		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-013 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-12 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**170**		µg/kg	50	9.1	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-013A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-12 (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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-12 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:10**

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: 95703-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-12 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	63	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-12 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:10**

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: 95703-013A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-12 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	44	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-12 (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 (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**1600**	F+	µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	**1200**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**2100**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	**1100**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	**600**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	**1300**	F+	µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**3500**	F+	µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**1100**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	**1000**	F+	µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**2700**	F+	µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-13 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-13 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**12**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-014** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-13 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Arsenic	**5400**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	2. Barium	**97000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	3. Cadmium	**310**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
	4. Chromium	**15000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	5. Lead	**77000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	6. Selenium	**210**		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-014** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-13 (1.5-2.5')**

							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	8.9	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-014A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-13 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡	2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
	11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-13 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-014A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-13 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	64	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-13 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-014A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-13 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	45	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-014** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-13 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**470**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	**350**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**510**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	**360**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**640**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**590**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-14 (4-5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:55**

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:** 95703-015 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-14 (4-5')

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)	**11**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-015 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-14 (4-5')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2600**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**39000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**150**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**6200**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**25000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	U		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-015 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-14 (4-5')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**54**		µg/kg	50	9.2	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-015A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-14 (4-5')

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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-14 (4-5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:55**

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: 95703-015A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-14 (4-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	63	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-14 (4-5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:55**

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: 95703-015A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-14 (4-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	44	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-015** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-14 (4-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**360**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**620**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**560**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup2-S**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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:** 95703-016 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** Dup2-S

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)	**11**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-016 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** Dup2-S

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2600**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**31000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**97**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**6000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**16000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	U		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-016 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** Dup2-S

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**51**		µg/kg	50	9.3	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-016A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** Dup2-S

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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup2-S**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 95703-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: Dup2-S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	63	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup2-S**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 95703-016A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: Dup2-S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	44	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup2-S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-15 (3-4')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:10**

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:** 95703-017 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-15 (3-4')

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)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-017 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-15 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5400**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**54000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**300**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**14000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**55000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	U		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-017 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-15 (3-4')

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	8.9	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-017A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-15 (3-4')

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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-15 (3-4')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:10**

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: 95703-017A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-15 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	60	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-15 (3-4')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:10**

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: 95703-017A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-15 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	42	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-017** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-15 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**450**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	**400**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**560**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	**390**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**860**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	**540**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**840**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-16 (7-8')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:35**

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:** 95703-018 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-16 (7-8')

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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-018 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-16 (7-8')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6000**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**78000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**400**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**15000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**80000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	**390**		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-018 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-16 (7-8')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**120**		µg/kg	50	8.8	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-018A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-16 (7-8')

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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-16 (7-8')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:35**

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: 95703-018A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-16 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	71	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-16 (7-8')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:35**

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: 95703-018A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-16 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	270	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-018** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-16 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.5	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-17 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:45**

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:** 95703-019 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-17 (1-2')

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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-019 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-17 (1-2')

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	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**65000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**210**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**17000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**28000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	U		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-019 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-17 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**130**		µg/kg	50	8.6	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-019A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-17 (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	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
3. Benzene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
7. Bromoform	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
10. n-Butylbenzene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
11. sec-Butylbenzene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-17 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:45**

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: 95703-019A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-17 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
14. Carbon Tetrachloride	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
15. Chlorobenzene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
17. Chloroform	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
18. Chloromethane	U		µg/kg	320	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
19. 2-Chlorotoluene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
21. Dibromochloromethane	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
26. Dichlorodifluoromethane	U		µg/kg	320	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
27. 1,1-Dichloroethane	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
28. 1,2-Dichloroethane	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
29. 1,1-Dichloroethene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
31. trans-1,2-Dichloroethene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
32. 1,2-Dichloropropane	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
35. Ethylbenzene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
40. Methylene Chloride	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
42. MTBE	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
45. Styrene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
48. Tetrachloroethene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-17 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:45**

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: 95703-019A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-17 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
53. Trichloroethene	U		µg/kg	65	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-019** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-17 (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 (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**370**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**370**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**500**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**440**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:00**

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: 95703-020** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-18 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡	1. Percent Moisture (Water Content)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-020** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-18 (1.5-2.5')**

							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	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	2. Barium	**70000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	3. Cadmium	**390**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
	4. Chromium	**14000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	5. Lead	**110000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	6. Selenium	**520**		µg/kg	200	10	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-020** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-18 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Mercury	**88**		µg/kg	50	8.5	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-020A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-18 (1.5-2.5')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Acetone	U		µg/kg	1000	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡	2. Acrylonitrile	U		µg/kg	120	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	3. Benzene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	4. Bromobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	5. Bromochloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	7. Bromoform	U		µg/kg	120	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	8. Bromomethane	U		µg/kg	200	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	9. 2-Butanone	U		µg/kg	750	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	10. n-Butylbenzene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	11. sec-Butylbenzene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:00**

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: 95703-020A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-18 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
14. Carbon Tetrachloride	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
15. Chlorobenzene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
17. Chloroform	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
18. Chloromethane	U		µg/kg	300	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
19. 2-Chlorotoluene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
21. Dibromochloromethane	U		µg/kg	120	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
26. Dichlorodifluoromethane	U		µg/kg	300	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
27. 1,1-Dichloroethane	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
28. 1,2-Dichloroethane	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
29. 1,1-Dichloroethene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
31. trans-1,2-Dichloroethene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
32. 1,2-Dichloropropane	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
35. Ethylbenzene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
40. Methylene Chloride	U		µg/kg	120	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
42. MTBE	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
45. Styrene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
48. Tetrachloroethene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:00**

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: 95703-020A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-18 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
53. Trichloroethene	U		µg/kg	61	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	120	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-020** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-18 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**350**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**400**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**470**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**440**		µg/kg	330	10	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (1-2')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:25**

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:** 95703-021 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-19 (1-2')

	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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-021 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-19 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6200**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**69000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**380**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**12000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**120000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	**240**		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-021 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-19 (1-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**110**		µg/kg	50	9.5	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-021A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-19 (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	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡	2. Acrylonitrile	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	3. Benzene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	4. Bromobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	5. Bromochloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	7. Bromoform	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	8. Bromomethane	U		µg/kg	200	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	9. 2-Butanone	U		µg/kg	750	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	10. n-Butylbenzene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	11. sec-Butylbenzene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (1-2')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:25**

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: 95703-021A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-19 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
14. Carbon Tetrachloride	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
15. Chlorobenzene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
17. Chloroform	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
18. Chloromethane	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
19. 2-Chlorotoluene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
21. Dibromochloromethane	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
26. Dichlorodifluoromethane	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
27. 1,1-Dichloroethane	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
28. 1,2-Dichloroethane	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
29. 1,1-Dichloroethene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
31. trans-1,2-Dichloroethene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
32. 1,2-Dichloropropane	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
35. Ethylbenzene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
40. Methylene Chloride	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
42. MTBE	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
45. Styrene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
48. Tetrachloroethene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (1-2')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:25**

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: 95703-021A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-19 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
53. Trichloroethene	U		µg/kg	66	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-021** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-19 (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 (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**560**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	**460**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**660**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	**490**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**1100**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	**660**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**1200**		µg/kg	330	1.0	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (2-3')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

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: 95703-022** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-20 (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)	**12**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS **Aliquot ID: 95703-022** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-20 (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	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
2. Barium	**81000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
3. Cadmium	**1900**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
4. Chromium	**13000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
5. Lead	**350000**		µg/kg	1000	100	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
6. Selenium	**500**		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
7. Silver	**190**		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS **Aliquot ID: 95703-022** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-20 (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	8.6	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 95703-022A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-20 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
‡ 2. Acrylonitrile	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
3. Benzene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
4. Bromobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
5. Bromochloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
6. Bromodichloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
7. Bromoform	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
8. Bromomethane	U		µg/kg	200	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
9. 2-Butanone	U		µg/kg	750	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
10. n-Butylbenzene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
11. sec-Butylbenzene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (2-3')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

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: 95703-022A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-20 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
14. Carbon Tetrachloride	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
15. Chlorobenzene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
17. Chloroform	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
18. Chloromethane	U		µg/kg	370	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
19. 2-Chlorotoluene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
21. Dibromochloromethane	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
26. Dichlorodifluoromethane	U		µg/kg	370	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
27. 1,1-Dichloroethane	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
28. 1,2-Dichloroethane	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
29. 1,1-Dichloroethene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
31. trans-1,2-Dichloroethene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
32. 1,2-Dichloropropane	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
35. Ethylbenzene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
40. Methylene Chloride	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
42. MTBE	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
43. Naphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
45. Styrene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
48. Tetrachloroethene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (2-3')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

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: 95703-022A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-20 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
53. Trichloroethene	U		µg/kg	75	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/14/20	VJ20D13A	JLM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-022** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-20 (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 (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**700**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	**480**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**730**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	**430**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	**490**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**960**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**440**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	**500**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**860**		µg/kg	330	20	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-21 (3-4')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**17:05**

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:** 95703-023 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-21 (3-4')

	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	04/09/20	MC200409	04/10/20	MC200409	DBG

RCRA Elements by ICP/MS — **Aliquot ID:** 95703-023 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-21 (3-4')

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Arsenic	**12000**		µg/kg	100	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	2. Barium	**64000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	3. Cadmium	**410**		µg/kg	50	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH
	4. Chromium	**14000**		µg/kg	500	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	5. Lead	**73000**		µg/kg	1000	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	6. Selenium	**950**		µg/kg	200	20	04/13/20	PT20D13A	04/13/20	T420D13B	JLH
	7. Silver	U		µg/kg	100	20	04/13/20	PT20D13A	04/14/20	T420D14A	JLH

Mercury by CVAAS — **Aliquot ID:** 95703-023 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-21 (3-4')

	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
	1. Mercury	**200**		µg/kg	50	8.5	04/13/20	PM20D13A	04/14/20	M720D14B	JLH

Volatile Organic Compounds (VOCs) by GC/MS, 5035 — **Aliquot ID:** 95703-023A — **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D — **Description:** SB-21 (3-4')

	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	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡	2. Acrylonitrile	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	3. Benzene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	4. Bromobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	5. Bromochloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	6. Bromodichloromethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	7. Bromoform	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	8. Bromomethane	U		µg/kg	200	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	9. 2-Butanone	U		µg/kg	750	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	10. n-Butylbenzene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
	11. sec-Butylbenzene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-21 (3-4')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**17:05**

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: 95703-023A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-21 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
12. tert-Butylbenzene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
13. Carbon Disulfide	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
14. Carbon Tetrachloride	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
15. Chlorobenzene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
16. Chloroethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
17. Chloroform	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
18. Chloromethane	U		µg/kg	340	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
19. 2-Chlorotoluene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
21. Dibromochloromethane	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
22. Dibromomethane	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
23. 1,2-Dichlorobenzene	**260**		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
27. 1,1-Dichloroethane	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
28. 1,2-Dichloroethane	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
29. 1,1-Dichloroethene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
30. cis-1,2-Dichloroethene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
31. trans-1,2-Dichloroethene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
32. 1,2-Dichloropropane	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
33. cis-1,3-Dichloropropene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
34. trans-1,3-Dichloropropene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
35. Ethylbenzene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
37. 2-Hexanone	U	V+	µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
38. Isopropylbenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
40. Methylene Chloride	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
42. MTBE	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
43. Naphthalene	**720**		µg/kg	330	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
44. n-Propylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
45. Styrene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
48. Tetrachloroethene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-21 (3-4')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**17:05**

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: 95703-023A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-21 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
49. Toluene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
51. 1,1,1-Trichloroethane	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
53. Trichloroethene	U		µg/kg	67	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
59. Vinyl Chloride	U		µg/kg	40	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
60. m&p-Xylene	U		µg/kg	100	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
61. o-Xylene	U		µg/kg	50	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM
‡ 62. Xylenes	U		µg/kg	150	1.0	04/13/20	VJ20D13A	04/13/20	VJ20D13A	JLM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 95703-023** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-21 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	**360**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
2. Acenaphthylene (SIM)	**350**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
3. Anthracene (SIM)	**790**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
4. Benzo(a)anthracene (SIM)	**2500**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
5. Benzo(a)pyrene (SIM)	**2600**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
6. Benzo(b)fluoranthene (SIM)	**4000**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
7. Benzo(ghi)perylene (SIM)	**2000**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
8. Benzo(k)fluoranthene (SIM)	**1100**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
9. Chrysene (SIM)	**2300**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
10. Dibenzo(a,h)anthracene (SIM)	**510**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
11. Fluoranthene (SIM)	**4000**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
12. Fluorene (SIM)	U		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**2200**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
14. 2-Methylnaphthalene (SIM)	**540**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
15. Naphthalene (SIM)	**1600**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
16. Phenanthrene (SIM)	**2000**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB
17. Pyrene (SIM)	**3400**		µg/kg	330	15	04/10/20	PS20D10A	04/10/20	S520D10A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Meth Blank**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Blank: Methanol**	Collect Time:	**NA**

Sample Comments:

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: 95703-024** **Matrix: Blank: Methanol**
Method: EPA 5035A/EPA 8260D **Description: Meth Blank**

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	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
3. Benzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
4. Bromobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
5. Bromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
6. Bromodichloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
7. Bromoform	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
8. Bromomethane	U		µg/kg	200	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
9. 2-Butanone	U		µg/kg	750	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
10. n-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
11. sec-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
12. tert-Butylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
13. Carbon Disulfide	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
14. Carbon Tetrachloride	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
15. Chlorobenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
16. Chloroethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
17. Chloroform	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
18. Chloromethane	U	B	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
19. 2-Chlorotoluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
21. Dibromochloromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
22. Dibromomethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
35. Ethylbenzene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
36. Ethylene Dibromide	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
37. 2-Hexanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Meth Blank**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Blank: Methanol**	Collect Time:	**NA**

Sample Comments:

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: 95703-024** **Matrix: Blank: Methanol**
Method: EPA 5035A/EPA 8260D **Description: Meth Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
40. Methylene Chloride	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 41. 2-Methylnaphthalene	U	L+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
42. MTBE	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
43. Naphthalene	U	V+	µg/kg	330	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
44. n-Propylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
45. Styrene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
48. Tetrachloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
49. Toluene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
53. Trichloroethene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
54. Trichlorofluoromethane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
59. Vinyl Chloride	U	B	µg/kg	40	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
60. m&p-Xylene	U		µg/kg	100	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
61. o-Xylene	U		µg/kg	50	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB
‡ 62. Xylenes	U		µg/kg	150	1.0	04/10/20	VI20D10A	04/10/20	VI20D10A	ANB

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:

B : Analyte is found in the associated method blank as well as in the sample.
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 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

Wednesday, April 29, 2020

Fibertec Project Number:	95703 Supplemental
Project Identification:	Field Street and East Grand Boulevard (1-11284) /1-11284
Submittal Date:	04/07/2020

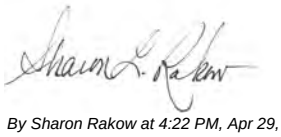
Mr. Brian Kuberski
Applied Science & Technology, Inc. - Brighton
10448 Citation
Suite 100
Brighton, MI 48116

Dear Mr. Kuberski,

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 Sharon Rakow at 4:22 PM, Apr 29, 2020

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-2 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:05**

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: 95703-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-2 (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)	**20**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-002B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-2 (1-2')**

							Preparation		Analysis		
	Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
	1. Lead, Coarse Fraction	**96600**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
	2. Lead, Fine Fraction	**282000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
	3. Lead, Total (Calculated)	**104000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡	4. Percent Total Solids	**79.0**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-3 (4.5-5.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

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: 95703-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-3 (4.5-5.5')**

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)	**17**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-004B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-3 (4.5-5.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**295000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**302000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**296000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**84.0**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-4 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-005** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-4 (1-2')**

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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-005B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-4 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**221000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**113000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**217000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**89.1**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-5 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:10**

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: 95703-006** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-5 (1-2')**

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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-006B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-5 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**840000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**1020000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**868000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**89.0**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-6 (1.5-2.5')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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: 95703-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-6 (1.5-2.5')**

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)	**14**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-007B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-6 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**108000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**125000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**109000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**86.9**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-7 (1-2')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-008** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-7 (1-2')**

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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-008B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-7 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**101000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**176000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**102000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**87.3**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-9 (2-3')**	Chain of Custody:	**189060**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:10**

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: 95703-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-9 (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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-010B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-9 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**1110000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**2750000**		µg/kg	2000	400	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**1180000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**83.0**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-11 (3-3.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-11 (3-3.5')**

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)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-012B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-11 (3-3.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**366000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**249000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**352000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**90.5**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-12 (1-2')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:10**

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: 95703-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-12 (1-2')**

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)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-013B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-12 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**140000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**103000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**139000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**89.4**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-13 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	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: 95703-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-13 (1.5-2.5')**

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)	**12**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-014B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-13 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**117000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**292000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**127000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**88.4**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-16 (7-8')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:35**

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: 95703-018** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-16 (7-8')**

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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-018B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-16 (7-8')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**76200**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**145000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**79200**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**81.4**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (1.5-2.5')**	Chain of Custody:	**189059**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:00**

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: 95703-020** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-18 (1.5-2.5')**

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)	**10**		%	1	1.0	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-020B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-18 (1.5-2.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**176000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**263000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**182000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**87.8**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (1-2')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:25**

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: 95703-021** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-19 (1-2')**

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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-021B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-19 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**134000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**93100**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**132000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**87.1**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (2-3')**	Chain of Custody:	**189058**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**04/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

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: 95703-022** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-20 (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	04/09/20	MC200409	04/10/20	MC200409	DBG

Lead, MDEQ Criteria **Aliquot ID: 95703-022B** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-20 (2-3')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Lead, Coarse Fraction	**317000**		µg/kg	1000	100	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
2. Lead, Fine Fraction	**482000**		µg/kg	1000	200	04/27/20	PT20D27A	04/27/20	T420D27B	JLH
3. Lead, Total (Calculated)	**322000**		µg/kg	1000	1.0	NA	NA	04/27/20	NA	JLH
‡ 4. Percent Total Solids	**88.1**		%	0.1	1.0	NA	NA	04/27/20	NA	JLH

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:

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 # **189060**
PAGE 1 of 3

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: 1-11284
Field Street and East Grand Boulevard
Email distribution list:
bkuberski@asti-env.com/jefros@asti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	PNAs	RCRA 8 Metals	HOLD SAMPLE
4/6/20	0915		SB-1 (7-8')	S	2	X	X	X	
	1005		SB-2 (1-2')			X	X	X	
	—		Dupl-1			X	X	X	
	1035		SB-3 (4.5-5.5')			X	X	X	
	1055		SB-4 (1-2')			X	X	X	
	1110		SB-5 (1-2')			X	X	X	
	1130		SB-6 (1.5-2.5')			X	X	X	
	1150		SB-7 (1-2')			X	X	X	
	1250		SB-8 (1-2')			X	X	X	
V	1310		SD-1 (2-3')	V	V	X	X	X	

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
APR 07 2020
Initials: DG

Comments:

Sampled/Relinquished By: Jeremy Efros	Date/ Time 4/7/20 12:20	Received By: Russ Scott
Relinquished By: Russ Scott	Date/ Time	Received By: [illegible] 4/7/20 2:00
Relinquished By: [illegible]	Date/ Time 4/7/20 15:15	Received By Laboratory: [illegible]

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: 95703

Temperature upon receipt at Lab: 4.5°C

Received On Ice

Please see back for terms and conditions

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
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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 # 189059

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: 1-11284
Field Street and East Grand Boulevard
Email distribution list: bkuberski@asti-env.com / jefros@asti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	PNAs	RCRA 8 Metals	HOLD SAMPLE
	1330		SB-10 (1-2')	S	2	X	X	X	
	1350		SB-11 (3-3.5')			X	X	X	
	1410		SB-12 (1-2')			X	X	X	
	1440		SB-13 (1.5-2.5')			X	X	X	
	1455		SB-14 (4-5')			X	X	X	
	—		Dup 2-S			X	X	X	
	1510		SB-15 (3-4')			X	X	X	
	1535		SB-16 (7-8')			X	X	X	
	1545		SB-17 (1-2')			X	X	X	
	1600		SB-18 (1.5-2.5')	V	V	X	X	X	

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:

Comments:

Sampled/Relinquished By: Jeremy Efros	Date/Time 4/7/20 1220	Received By: Russ Scott
Relinquished By: Russ Scott	Date/ Time	Received By: Nikki Shade 4/7/20 2:00
Relinquished By: Nikki Shade	Date/Time 4/7/20 1515	Received By Laboratory:

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: 95703

Temperature upon receipt at Lab: 4.5°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
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email: asbestos@fibertecihs.com

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

Chain of Custody # 189058
PAGE 3 of 3

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: 1-11284
Field Street and East Grand Boulevard
Email distribution list: bkuberski@
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOC's	PNA's	RCRA 8 Metals	HOLD SAMPLE
4/6/20	1625		SB-19 (1-2')	S	2	X	X	X	
	1640		SB-20 (2-3')	S	2	X	X	X	
	1705		SB-21 (3-4')	S	2	X	X	X	
			Meth Blank	S	1	X			

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

Remarks:

Comments:

Sampled/Relinquished By:	Date/ Time	Received By:
Relinquished By: Jeremy Gros	Date/ Time: 4/7/20 1220	Received By: Russ Scott
Relinquished By: Russ Scott 4/7/20 15:15	Date/ Time	Received By Laboratory: Robert Shade 4/7/20 2:00

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: 95703

Temperature upon receipt at Lab: 4.5°C

Received On Ice

Please see back for terms and conditions

Fibertec
environmental
services

Thursday, August 13, 2020

Fibertec Project Number:	97367
Project Identification:	Field Street and East Grand Boulevard (1-11284) /1-11284
Submittal Date:	08/05/2020

Mr. Brian Kuberski
Applied Science & Technology, Inc. - Brighton
10448 Citation
Suite 100
Brighton, MI 48116

Dear Mr. Kuberski,

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,

Sue Ricketts

By Sue Ricketts at 2:07 PM, Aug 13, 2020

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-31 (0-1.5')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:16**

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: 97367-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-31 (0-1.5')**

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)	**6**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-31 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9300**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**51000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-31 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	**350**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	**620**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**3100**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**4900**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**6700**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	**3800**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	**2300**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	**3000**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	**860**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**4300**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**4200**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	**340**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	**1300**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	**2000**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**4700**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-31 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:16**

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: 97367-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-31 (3-4')**

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)	**17**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-002** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-31 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**84**		µg/kg	50	9.7	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 97367-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-31 (3-4')**

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	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 2. Acrylonitrile	U		µg/kg	140	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
3. Benzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
4. Bromobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
5. Bromochloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
6. Bromodichloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
7. Bromoform	U		µg/kg	140	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
8. Bromomethane	U		µg/kg	200	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
9. 2-Butanone	U		µg/kg	750	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
10. n-Butylbenzene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
11. sec-Butylbenzene	U	V+	µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
12. tert-Butylbenzene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
13. Carbon Disulfide	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
14. Carbon Tetrachloride	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
15. Chlorobenzene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
16. Chloroethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
17. Chloroform	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
18. Chloromethane	U		µg/kg	350	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
19. 2-Chlorotoluene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
21. Dibromochloromethane	U		µg/kg	140	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
22. Dibromomethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-31 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:16**

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: 97367-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-31 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
26. Dichlorodifluoromethane	U		µg/kg	350	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
27. 1,1-Dichloroethane	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
28. 1,2-Dichloroethane	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
29. 1,1-Dichloroethene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
30. cis-1,2-Dichloroethene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
31. trans-1,2-Dichloroethene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
32. 1,2-Dichloropropane	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
33. cis-1,3-Dichloropropene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
34. trans-1,3-Dichloropropene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
35. Ethylbenzene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
36. Ethylene Dibromide	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
37. 2-Hexanone	U		µg/kg	2500	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
38. Isopropylbenzene	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
40. Methylene Chloride	U		µg/kg	140	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
42. MTBE	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
43. Naphthalene	U		µg/kg	330	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
44. n-Propylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
45. Styrene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
48. Tetrachloroethene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
49. Toluene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
51. 1,1,1-Trichloroethane	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
53. Trichloroethene	U		µg/kg	69	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
57. 1,2,4-Trimethylbenzene	U		µg/kg	140	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
59. Vinyl Chloride	U		µg/kg	40	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
60. m&p-Xylene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-31 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:16**

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: 97367-002A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-31 (3-4')**

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	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 62. Xylenes	U		µg/kg	150	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-31 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-32 (0-1.5')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:39**

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: 97367-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-32 (0-1.5')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-32 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**13000**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**71000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-32 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**620**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**890**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**1500**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	**770**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	**450**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	**620**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**920**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**830**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	**520**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	**490**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**930**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-32 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:39**

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: 97367-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-32 (3-4')**

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)	**13**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-004** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-32 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**180**		µg/kg	50	8.6	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 97367-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-32 (3-4')**

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	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
3. Benzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
4. Bromobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
5. Bromochloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
6. Bromodichloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
7. Bromoform	U		µg/kg	130	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
8. Bromomethane	U		µg/kg	200	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
9. 2-Butanone	U		µg/kg	750	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
10. n-Butylbenzene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
11. sec-Butylbenzene	U	V+	µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
12. tert-Butylbenzene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
13. Carbon Disulfide	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
14. Carbon Tetrachloride	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
15. Chlorobenzene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
16. Chloroethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
17. Chloroform	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
18. Chloromethane	U		µg/kg	310	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
19. 2-Chlorotoluene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
21. Dibromochloromethane	U		µg/kg	130	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
22. Dibromomethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-32 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:39**

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: 97367-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-32 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
26. Dichlorodifluoromethane	U		µg/kg	310	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
27. 1,1-Dichloroethane	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
28. 1,2-Dichloroethane	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
29. 1,1-Dichloroethene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
30. cis-1,2-Dichloroethene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
31. trans-1,2-Dichloroethene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
32. 1,2-Dichloropropane	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
33. cis-1,3-Dichloropropene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
34. trans-1,3-Dichloropropene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
35. Ethylbenzene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
36. Ethylene Dibromide	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
37. 2-Hexanone	U		µg/kg	2500	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
38. Isopropylbenzene	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
40. Methylene Chloride	U		µg/kg	130	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
42. MTBE	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
43. Naphthalene	**670**		µg/kg	330	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
44. n-Propylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
45. Styrene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
48. Tetrachloroethene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
49. Toluene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
51. 1,1,1-Trichloroethane	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
53. Trichloroethene	U		µg/kg	63	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
57. 1,2,4-Trimethylbenzene	U		µg/kg	130	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
59. Vinyl Chloride	U		µg/kg	40	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
60. m&p-Xylene	**110**		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-32 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:39**

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: 97367-004A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-32 (3-4')**

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	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 62. Xylenes	U		µg/kg	150	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-32 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**350**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**410**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**410**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-33 (0-1.5')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-005** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-33 (0-1.5')**

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)	**8**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-005** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-33 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6000**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**95000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-005** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-33 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**390**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**540**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**490**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**540**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-34 (0-1.5')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:06**

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: 97367-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-34 (0-1.5')**

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)	**11**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-007** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-34 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5500**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**100000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-34 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**470**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**570**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**560**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-35 (0-1.5')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: 97367-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-35 (0-1.5')**

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)	**8**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-009** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-35 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4800**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**55000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-35 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U	*	µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U	F+	µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**340**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**360**	F+	µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U	F+	µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**370**	F+	µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-35 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: 97367-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-35 (3-4')**

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)	**11**		%	1	1.0	08/10/20	MC200810	08/12/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-010** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-35 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**59**		µg/kg	50	9.3	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 97367-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-35 (3-4')**

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	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 2. Acrylonitrile	U		µg/kg	130	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
3. Benzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
4. Bromobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
5. Bromochloromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
6. Bromodichloromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
7. Bromoform	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
8. Bromomethane	U		µg/kg	200	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
9. 2-Butanone	U		µg/kg	750	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
10. n-Butylbenzene	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
11. sec-Butylbenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
12. tert-Butylbenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
13. Carbon Disulfide	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
14. Carbon Tetrachloride	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
15. Chlorobenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
16. Chloroethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
17. Chloroform	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
18. Chloromethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
21. Dibromochloromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
22. Dibromomethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-35 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: 97367-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-35 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
28. 1,2-Dichloroethane	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
32. 1,2-Dichloropropane	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
33. cis-1,3-Dichloropropene	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
35. Ethylbenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
36. Ethylene Dibromide	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
37. 2-Hexanone	U		µg/kg	2500	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
38. Isopropylbenzene	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
40. Methylene Chloride	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
42. MTBE	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
43. Naphthalene	U		µg/kg	330	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
44. n-Propylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
45. Styrene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
48. Tetrachloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
49. Toluene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
52. 1,1,2-Trichloroethane	U		µg/kg	63	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
53. Trichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
59. Vinyl Chloride	U		µg/kg	40	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
60. m&p-Xylene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-35 (3-4')**	Chain of Custody:	**191602**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: 97367-010A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-35 (3-4')**

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	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 62. Xylenes	U		µg/kg	150	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-35 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-36 (0-1.5')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:32**

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: 97367-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-36 (0-1.5')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-011** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-36 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**64000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-36 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**1100**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**1200**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**1900**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	**980**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	**490**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	**1000**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**2300**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**1000**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	**450**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	**1100**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**2300**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-36 (3-4')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:32**

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: 97367-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-36 (3-4')**

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	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-012** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-36 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**84**		µg/kg	50	8.5	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 97367-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-36 (3-4')**

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	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
‡ 2. Acrylonitrile	U		µg/kg	120	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
3. Benzene	U		µg/kg	50	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
4. Bromobenzene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
5. Bromochloromethane	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
6. Bromodichloromethane	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
7. Bromoform	U		µg/kg	120	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
8. Bromomethane	U		µg/kg	200	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
9. 2-Butanone	U		µg/kg	750	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
10. n-Butylbenzene	U	V+	µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
11. sec-Butylbenzene	U	V+	µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
12. tert-Butylbenzene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
13. Carbon Disulfide	U		µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
14. Carbon Tetrachloride	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
15. Chlorobenzene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
16. Chloroethane	U		µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
17. Chloroform	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
18. Chloromethane	U		µg/kg	310	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
19. 2-Chlorotoluene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
21. Dibromochloromethane	U		µg/kg	120	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
22. Dibromomethane	U		µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-36 (3-4')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:32**

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: 97367-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-36 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
26. Dichlorodifluoromethane	U		µg/kg	310	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
27. 1,1-Dichloroethane	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
28. 1,2-Dichloroethane	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
29. 1,1-Dichloroethene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
30. cis-1,2-Dichloroethene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
31. trans-1,2-Dichloroethene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
32. 1,2-Dichloropropane	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
33. cis-1,3-Dichloropropene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
34. trans-1,3-Dichloropropene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
35. Ethylbenzene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
36. Ethylene Dibromide	U		µg/kg	50	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
37. 2-Hexanone	U	F+	µg/kg	2500	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
38. Isopropylbenzene	U	V+	µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
40. Methylene Chloride	U		µg/kg	120	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
42. MTBE	U		µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
43. Naphthalene	U		µg/kg	330	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
44. n-Propylbenzene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
45. Styrene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
48. Tetrachloroethene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
49. Toluene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
51. 1,1,1-Trichloroethane	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
53. Trichloroethene	U		µg/kg	62	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
55. 1,2,3-Trichloropropane	U		µg/kg	120	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
57. 1,2,4-Trimethylbenzene	U		µg/kg	120	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
58. 1,3,5-Trimethylbenzene	U	V+	µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
59. Vinyl Chloride	U		µg/kg	40	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
60. m&p-Xylene	U		µg/kg	100	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-36 (3-4')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:32**

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: 97367-012A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-36 (3-4')**

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	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM
‡ 62. Xylenes	U		µg/kg	150	1.0	08/10/20	VJ20H10A	08/10/20	VJ20H10A	CM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-012** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-36 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	**470**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**1300**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**1600**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**2100**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	**1200**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	**620**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	**1000**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**1900**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**1200**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	**450**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**2700**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-37 (0-1.5')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:47**

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: 97367-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-37 (0-1.5')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-013** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-37 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7300**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**70000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-37 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**610**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**700**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**1100**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	**530**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	**570**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**1400**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**550**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	**720**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**1300**		µg/kg	330	1.0	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-37 (2-3')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:47**

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: 97367-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-37 (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)	**8**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-014** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-37 (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	**3700**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**24000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-014** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-37 (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 (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**340**		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**420**		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**410**		µg/kg	330	1.5	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-38 (0-1.5')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-015** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-38 (0-1.5')**

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)	**11**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-015** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-38 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9000**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**19000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-015** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-38 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**390**		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**360**		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**380**		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**420**		µg/kg	330	20	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-38 (2-3')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-016** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-38 (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)	**22**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-016** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-38 (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	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**2300000**		µg/kg	4000	400	08/11/20	PT20H11C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-38 (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 (SIM)	**370**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
3. Anthracene (SIM)	**1300**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
4. Benzo(a)anthracene (SIM)	**4700**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
5. Benzo(a)pyrene (SIM)	**4800**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
6. Benzo(b)fluoranthene (SIM)	**7000**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
7. Benzo(ghi)perylene (SIM)	**3000**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
8. Benzo(k)fluoranthene (SIM)	**2600**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
9. Chrysene (SIM)	**4200**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
10. Dibenzo(a,h)anthracene (SIM)	**770**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
11. Fluoranthene (SIM)	**12000**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
12. Fluorene (SIM)	**440**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**3500**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
16. Phenanthrene (SIM)	**6500**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB
17. Pyrene (SIM)	**11000**		µg/kg	330	10	08/10/20	PS20H10D	08/11/20	SJ20H10C	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-38 (4.5-5')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-017** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-38 (4.5-5')**

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)	**15**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-017** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-38 (4.5-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2100**		µg/kg	100	20	08/11/20	PT20H11C	08/12/20	T420H12B	JLH
2. Lead	**4300**		µg/kg	1000	20	08/11/20	PT20H11C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-017** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-38 (4.5-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10D	08/10/20	SJ20H10A	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-39 (0-1.5')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:12**

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: 97367-018** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-39 (0-1.5')**

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)	**10**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-018** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-39 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5800**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**82000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-018** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-39 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**890**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**860**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**1300**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	**600**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	**470**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	**930**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**1600**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**680**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	**860**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	**1500**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: 97367
Laboratory Sample Number: 97367-019

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-39 (2-3')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:12**

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: 97367-019** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-39 (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	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-019** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-39 (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	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**85000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-019** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-39 (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 (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**520**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**410**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**650**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	**340**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	**400**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**800**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**350**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	**350**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	**780**		µg/kg	330	10	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-39 (4.5-5')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:12**

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: 97367-020** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-39 (4.5-5')**

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)	**12**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-020** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-39 (4.5-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4800**		µg/kg	100	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH
2. Lead	**5000**		µg/kg	1000	20	08/11/20	PT20H11C	08/11/20	T420H11C	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-020** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-39 (4.5-5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-40 (0-1.5')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:24**

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: 97367-021** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-40 (0-1.5')**

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)	**8**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-021** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-40 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7300**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**470000**		µg/kg	1000	100	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-021** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-40 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	**980**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**4800**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**4600**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**7600**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	**3400**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	**2000**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	**4200**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	**910**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**8800**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**3600**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	**2700**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	**8500**		µg/kg	330	15	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-40 (2-3')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:24**

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: 97367-022** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-40 (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)	**6**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-022** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-40 (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	**3600**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**29000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-022** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-40 (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 (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**330**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-41 (0-1.5')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:32**

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: 97367-023** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-41 (0-1.5')**

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)	**8**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-023** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-41 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4700**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**32000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-023** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-41 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**400**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**380**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**580**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**930**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	**510**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	**780**		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-41 (3-4')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:32**

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: 97367-024** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-41 (3-4')**

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)	**4**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-024** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-41 (3-4')**

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	9.5	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Volatile Organic Compounds (VOCs) by GC/MS, 5035 **Aliquot ID: 97367-024A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-41 (3-4')**

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	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 2. Acrylonitrile	U		µg/kg	110	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
3. Benzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
4. Bromobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
5. Bromochloromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
6. Bromodichloromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
7. Bromoform	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
8. Bromomethane	U		µg/kg	200	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
9. 2-Butanone	U		µg/kg	750	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
10. n-Butylbenzene	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
11. sec-Butylbenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
12. tert-Butylbenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
13. Carbon Disulfide	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
14. Carbon Tetrachloride	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
15. Chlorobenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
16. Chloroethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
17. Chloroform	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
18. Chloromethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
21. Dibromochloromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
22. Dibromomethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-41 (3-4')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:32**

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: 97367-024A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-41 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
28. 1,2-Dichloroethane	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
32. 1,2-Dichloropropane	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
33. cis-1,3-Dichloropropene	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
35. Ethylbenzene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
36. Ethylene Dibromide	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
37. 2-Hexanone	U		µg/kg	2500	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
38. Isopropylbenzene	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
40. Methylene Chloride	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
42. MTBE	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
43. Naphthalene	U		µg/kg	330	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
44. n-Propylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
45. Styrene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
48. Tetrachloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
49. Toluene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
52. 1,1,2-Trichloroethane	U		µg/kg	54	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
53. Trichloroethene	U		µg/kg	50	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
59. Vinyl Chloride	U		µg/kg	40	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
60. m&p-Xylene	U		µg/kg	100	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-41 (3-4')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:32**

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: 97367-024A** **Matrix: Soil/Solid**
Method: EPA 5035A/EPA 8260D **Description: SB-41 (3-4')**

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	08/07/20	VP20H07B	08/08/20	VP20H07B	CM
‡ 62. Xylenes	U		µg/kg	150	1.0	08/07/20	VP20H07B	08/08/20	VP20H07B	CM

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-024** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-41 (3-4')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/11/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-42 (1-2')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-025** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-42 (1-2')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-025** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-42 (1-2')**

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	8.7	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-025** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-42 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-025** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-42 (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 (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**360**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-43 (1-2')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:01**

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: 97367-026** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-43 (1-2')**

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)	**6**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-026** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-43 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**290**		µg/kg	50	9.3	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-026** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-43 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-026** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-43 (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 (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**490**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**460**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**640**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**550**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-43 (2-2.5')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:01**

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: 97367-027** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-43 (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)	**14**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-027** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-43 (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	**100**		µg/kg	50	8.4	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-027** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-43 (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. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-027** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-43 (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 (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**760**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	**630**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**1000**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	**460**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	**760**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**1500**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**480**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	**610**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**1300**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-44 (1-2')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:17**

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: 97367-028** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-44 (1-2')**

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)	**7**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-028** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-44 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**130**		µg/kg	50	9.1	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-028** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-44 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-028** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-44 (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 (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
4. Benzo(a)anthracene (SIM)	**1000**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
5. Benzo(a)pyrene (SIM)	**940**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
6. Benzo(b)fluoranthene (SIM)	**1300**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
7. Benzo(ghi)perylene (SIM)	**630**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
8. Benzo(k)fluoranthene (SIM)	**460**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
9. Chrysene (SIM)	**990**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
11. Fluoranthene (SIM)	**2100**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	**680**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
16. Phenanthrene (SIM)	**780**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP
17. Pyrene (SIM)	**1800**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-44 (2-2.5')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:17**

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: 97367-029** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-44 (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)	**15**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-029** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-44 (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	**190**		µg/kg	50	9.0	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-029** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-44 (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. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-029** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-44 (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 (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**340**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**500**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	**360**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**640**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**560**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-45 (1-2')**	Chain of Custody:	**191604**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:33**

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: 97367-030** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-45 (1-2')**

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)	**13**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-030** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-45 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**310**		µg/kg	50	9.4	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-030** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-45 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-030** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-45 (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 (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**550**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	**400**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**530**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	**410**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**690**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
17. Pyrene (SIM)	**620**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-46 (1-2')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:45**

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: 97367-031** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-46 (1-2')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-031** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-46 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**160**		µg/kg	50	8.5	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-031** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-46 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-031** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-46 (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 (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**590**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	**400**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**640**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	**450**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**920**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	**370**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**800**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-47 (1-2')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:55**

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: 97367-032** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-47 (1-2')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-032** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: SB-47 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**190**		µg/kg	50	8.5	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-032** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-47 (1-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-032** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-47 (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 (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**340**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**340**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-48 (0-1.5')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:10**

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: 97367-033** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-48 (0-1.5')**

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)	**14**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-033** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-48 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8300**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**73000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-033** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-48 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
3. Anthracene (SIM)	**720**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**1800**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**1700**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**2500**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	**1300**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	**830**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
9. Chrysene (SIM)	**1300**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**4400**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**1400**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	**2400**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
17. Pyrene (SIM)	**4100**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-48 (1.5-2')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:10**

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: 97367-034** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-48 (1.5-2')**

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	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-034** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-48 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**38000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-034** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-48 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**440**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**340**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**520**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
9. Chrysene (SIM)	**360**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**590**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
17. Pyrene (SIM)	**560**		µg/kg	330	10	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-49 (0-1.5')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:22**

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: 97367-036** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-49 (0-1.5')**

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)	**10**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-036** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-49 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5200**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**170000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-036** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-49 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-49 (1.5-2')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:22**

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: 97367-037** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-49 (1.5-2')**

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	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-037** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-49 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5400**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**20000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-037** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-49 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-50 (0-1.5')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:33**

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: 97367-039** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-50 (0-1.5')**

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)	**14**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-039** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-50 (0-1.5')**

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	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**58000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-039** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-50 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	**370**		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	**390**		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	**580**		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	**880**		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	**390**		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
17. Pyrene (SIM)	**770**		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-50 (1.5-2')**	Chain of Custody:	**191605**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:33**

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: 97367-040** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-50 (1.5-2')**

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	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-040** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-50 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7500**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**66000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-040** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-50 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/10/20	PS20H10C	08/12/20	SJ20H11C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-51 (0-1.5')**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:43**

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: 97367-042** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-51 (0-1.5')**

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)	**12**		%	1	1.0	08/10/20	MC200810	08/12/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-042** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-51 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**17000**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**29000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-042** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-51 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP
17. Pyrene (SIM)	U		µg/kg	330	10	08/10/20	PS20H10C	08/10/20	SJ20H10A	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-51 (1.5-2')**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:43**

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: 97367-043** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-51 (1.5-2')**

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)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-043** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-51 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**73000**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**1100000**		µg/kg	2000	200	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-043** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-51 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-52 (0-1.5')**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-045** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-52 (0-1.5')**

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)	**10**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-045** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-52 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4300**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**89000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-045** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-52 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/11/20	PS20H11B	08/12/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-52 (1.5-2')**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	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: 97367-046** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-52 (1.5-2')**

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	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-046** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-52 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7200**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**61000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-046** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-52 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**580**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	**550**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**810**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	**430**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	**590**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**1200**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**450**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	**510**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**1000**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**DUP1-SB**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 97367-048** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: DUP1-SB**

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)	**10**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-048** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: DUP1-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5700**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**95000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-048** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: DUP1-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**420**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**400**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**360**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**DUP2-SB**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 97367-049** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: DUP2-SB**

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)	**13**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-049** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: DUP2-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7900**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**270000**		µg/kg	1000	100	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-049** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: DUP2-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	**1100**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	**990**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	**1600**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	**690**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	**540**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	**1100**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**1900**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	**770**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	**740**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	**1600**		µg/kg	330	20	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**DUP3-SB**	Chain of Custody:	**191606**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 97367-050** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: DUP3-SB**

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	08/10/20	MC200810	08/11/20	MC200810	TM

Mercury by CVAAS **Aliquot ID: 97367-050** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: DUP3-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**110**		µg/kg	50	8.9	08/12/20	PM20H12B	08/12/20	M720H12A	CJA

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-050** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: DUP3-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. DRO (C10-C20)	U		µg/kg	20000	1.0	08/11/20	PS20H11A	08/12/20	S920H12A	BDA

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-050** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: DUP3-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
4. Benzo(a)anthracene (SIM)	**670**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
5. Benzo(a)pyrene (SIM)	**490**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
6. Benzo(b)fluoranthene (SIM)	**830**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
9. Chrysene (SIM)	**610**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
11. Fluoranthene (SIM)	**1300**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**360**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
16. Phenanthrene (SIM)	**540**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB
17. Pyrene (SIM)	**1000**		µg/kg	330	20	08/11/20	PS20H11B	08/12/20	SN20H11B	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**DUP4-SB**	Chain of Custody:	**191607**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 97367-051** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: DUP4-SB**

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)	**18**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Trace Elements by ICP/MS **Aliquot ID: 97367-051** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: DUP4-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5700**		µg/kg	100	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH
2. Lead	**37000**		µg/kg	1000	20	08/12/20	PT20H12C	08/12/20	T420H12B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97367-051** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: DUP4-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
9. Chrysene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
11. Fluoranthene (SIM)	**330**		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS
17. Pyrene (SIM)	U		µg/kg	330	10	08/11/20	PS20H11B	08/11/20	SN20H11B	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Meth Blank**	Chain of Custody:	**191607**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Blank: Methanol**	Collect Time:	**NA**

Sample Comments:

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: 97367-052** **Matrix: Blank: Methanol**
Method: EPA 5035A/EPA 8260D **Description: Meth Blank**

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	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
3. Benzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
4. Bromobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
5. Bromochloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
6. Bromodichloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
7. Bromoform	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
8. Bromomethane	U		µg/kg	200	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
9. 2-Butanone	U		µg/kg	750	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
10. n-Butylbenzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
11. sec-Butylbenzene	U	V+	µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
12. tert-Butylbenzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
13. Carbon Disulfide	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
14. Carbon Tetrachloride	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
15. Chlorobenzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
16. Chloroethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
17. Chloroform	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
18. Chloromethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
19. 2-Chlorotoluene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
21. Dibromochloromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
22. Dibromomethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
35. Ethylbenzene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
36. Ethylene Dibromide	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
37. 2-Hexanone	U		µg/kg	2500	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Meth Blank**	Chain of Custody:	**191607**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Blank: Methanol**	Collect Time:	**NA**

Sample Comments:

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: 97367-052** **Matrix: Blank: Methanol**
Method: EPA 5035A/EPA 8260D **Description: Meth Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
38. Isopropylbenzene	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
40. Methylene Chloride	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
42. MTBE	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
43. Naphthalene	U		µg/kg	330	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
44. n-Propylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
45. Styrene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
48. Tetrachloroethene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
49. Toluene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
53. Trichloroethene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
54. Trichlorofluoromethane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
59. Vinyl Chloride	U		µg/kg	40	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
60. m&p-Xylene	U		µg/kg	100	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
61. o-Xylene	U		µg/kg	50	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM
‡ 62. Xylenes	U		µg/kg	150	1.0	08/07/20	VJ20H07B	08/08/20	VJ20H07B	CM

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 upper control limit (matrix spike or matrix spike duplicate).
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

Wednesday, August 26, 2020

Fibertec Project Number:	97367 Supplemental
Project Identification:	Field Street and East Grand Boulevard (1-11284) /1-11284
Submittal Date:	08/05/2020

Mr. Brian Kuberski
Applied Science & Technology, Inc. - Brighton
10448 Citation
Suite 100
Brighton, MI 48116

Dear Mr. Kuberski,

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,

Sue Ricketts

By Sue Ricketts at 11:30 AM, Aug 26, 2020

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-37 (0-1.5')**	Chain of Custody:	**191603**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/05/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:47**

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: 97367-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-37 (0-1.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	08/10/20	MC200810	08/11/20	MC200810	TM

Diesel Range Organics (DRO) by GC/FID **Aliquot ID: 97367-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8015C **Description: SB-37 (0-1.5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. DRO (C10-C20)	**24000**	H	µg/kg	20000	1.0	08/21/20	PS20H21D	08/24/20	S920H24B	RKB

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:

H : Hold time exceeded.

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
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Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
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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 # **191602**
PAGE 1 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	VOCs	PNAs	DRO	HOLD SAMPLE
8/5/20	916		SB-31 (0-1.5')	S	1	X	X			X		
	916		SB-31 (3-4')	S	2			X	X	X		
	939		SB-32 (0-1.5')	S	1	X	X			X		
	939		SB-32 (3-4')	S	2			X	X	X		
	955		SB-33 (0-1.5')	S	1	X	X			X		
	955		SB-33 (5-5.5')	S	2			X	X	X		X
	1006		SB-34 (0-1.5')	S	1	X	X			X		
	1006		SB-34 (5-5.5')	S	2			X	X	X		X
	1020		SB-35 (0-1.5')	S	1	X	X			X		
	1020		SB-35 (3-4')	S	2			X	X	X		

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

Remarks:

Received By Lab
AUG 06 2020
Initials: NE

Comments:

	Date/ Time	
Sampled/Relinquished By:	8/5/20	1530
Relinquished By:	8/6/20	0900
Relinquished By:	8/6/20	1030

Received By:
Received By:
Received By Laboratory:

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: 97367

Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
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email: lab@fibertec.us

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email: asbestos@fibertecihs.com

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

Chain of Custody # **191603**
PAGE 2 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaeasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	VOCs	PNAs	DRO						HOLD SAMPLE
8/5/20	1032		SB-36 (0-1.5')	S	1	X	X			X							
	1032		SB-36 (3-4')	S	2			X	X	X							
	1047		SB-37 (0-1.5')	S	1	X	X			X							
	1047		SB-37 (2-3')	S	1	X	X			X							
	1100		SB-38 (0-1.5')	S	1	X	X			X							
	1100		SB-38 (2-3')	S	1	X	X			X							
	1100		SB-38 (4.5-5')	S	1	X	X			X							
	1112		SB-39 (0-1.5')	S	1	X	X			X							
	1112		SB-39 (2-3')	S	1	X	X			X							
	1112		SB-39 (4.5-5')	S	1	X	X			X							

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
AUG 06 2020
Initials: NS

Comments:

Sampled/Relinquished By:	Date/ Time 8/5/20 1530	Received By:
Relinquished By:	Date/ Time 8/6/20 0900	Received By:
Relinquished By:	Date/ Time 8/6/20 1030	Received By Laboratory:

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: 97367

Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
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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 # **191604**
PAGE 3 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	VOCs	PNAs	DRO	HOLD SAMPLE
8/5/20	1124		SB-40 (0-1.5')	S	1	X	X			X		
	1124		SB-40 (2-3')	S	1	X	X			X		
	1132		SB-41 (0-1.5')	S	1	X	X			X		
	1132		SB-41 (3-4')	S	2			X	X	X		
	1150		SB-42 (1-2')	S	2			X		X	X	
	1201		SB-43 (1-2')	S	2			X		X	X	
	1201		SB-43 (2-2.5')	S	2			X		X	X	
	1217		SB-44 (1-2')	S	2			X		X	X	
	1217		SB-44 (2-2.5')	S	2			X		X	X	
	1233		SB-45 (1-2')	S	2			X		X	X	

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

Remarks:

Received By Lab
AUG 05 2020
Initials: NE

Comments:

	Date/ Time	
Sampled/Relinquished By:	8/5/20 1530	Received By:
Relinquished By:	8/6/20 0900	Received By:
Relinquished By:	8/6/20 1030	Received By Laboratory:

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: 97367

Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
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Brighton, MI 48116
Phone: 810 220 3300
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Chain of Custody # 191605
PAGE 4 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaeasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	VOCs	PNAs	DRO					HOLD SAMPLE
8/5/20	1245		SB-46 (1-2')	S	2			X		X	X					
	1255		SB-47 (1-2')	S	2			X		X	X					
	1310		SB-48 (0-1.5')	S	1	X	X			X						
	1310		SB-48 (1.5-2')	S	1	X	X			X						
	1310		SB-48 (2-2.5')	S	1	X	X			X						X
	1322		SB-49 (0-1.5')	S	1	X	X			X						
	1322		SB-49 (1.5-2')	S	1	X	X			X						
	1322		SB-49 (2-2.5')	S	1	X	X			X						X
	1333		SB-50 (0-1.5')	S	1	X	X			X						
	1333		SB-50 (1.5-2')	S	1	X	X			X						

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
AUG 06 2020
Initials: NE

Comments:

Sampled/Relinquished By:	Date/ Time 5/5/20 1530	Received By:
Relinquished By:	Date/ Time 8/6/20 0900	Received By:
Relinquished By:	Date/ Time 8/6/20 1030	Received By Laboratory:

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: 97367

Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
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Brighton, MI 48116
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Fax: 810 220 3311

Chain of Custody # **191606**
PAGE 5 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	PNAs	Mercury	VOCs	DRO					HOLD SAMPLE
8/5/20	1333		SB-50 (2-2.5')	S	1	X	X	X								X
	1343		SB-51 (0-1.5')	S	1	X	X	X								
	1343		SB-51 (1.5-2')	S	1	X	X	X								
	1343		SB-51 (2-2.5')	S	1	X	X	X								X
	1400		SB-52 (0-1.5')	S	1	X	X	X								
	1400		SB-52 (1.5-2')	S	1	X	X	X								
	1400		SB-52 (2-2.5')	S	1	X	X	X								X
	—		Dup1-SB	S	1	X	X	X								
	—		Dup2-SB	S	1	X	X	X								
	—		Dup3-SB	S	2			X	X		X					

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

Remarks:

Received By:
AUG 06 2020
Initials: NE

Comments:

	Date/ Time	Received By:
Sampled/Relinquished By:	8/5/20 1530	
Relinquished By:	8/6/20 0900	Received By:
Relinquished By:	8/6/20 1030	Received By Laboratory:

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: 47367

Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

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

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email: asbestos@fibertecihs.com

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

Chain of Custody #
191607
PAGE 6 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: Arsenic	Lead	PNAs	VOCs	HOLD SAMPLE
8/5/20	—		Dup4-SB	S	1	X	X	X		
8/5/20	—		Meth Blank	S	1				X	

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

Remarks:

Received By Lab
AUG 06 2020
Initials: NE

Comments:

	Date/ Time	
Sampled/Relinquished By: Mitchell	8/5/20	1530
Relinquished By: Kriss Scott	8/6/20	0900
Relinquished By:	8/6/20	1030

Received By: Kriss Scott
Received By:
Received By Laboratory:

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: 97367

Temperature upon receipt at Lab: 2.0°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Friday, August 21, 2020

Fibertec Project Number:	97481
Project Identification:	Field Street and East Grand Boulevard (1-11284) /1-11284
Submittal Date:	08/13/2020

Mr. Brian Kuberski
Applied Science & Technology, Inc. - Brighton
10448 Citation
Suite 100
Brighton, MI 48116

Dear Mr. Kuberski,

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 Rikki Lott at 12:55 PM, Aug 21, 2020

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-53 (0-1.5')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:03**

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: 97481-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-53 (0-1.5')**

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)	**7**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-53 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**3600**		µg/kg	100	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH
2. Lead	**100000**		µg/kg	1000	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-53 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-53 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:03**

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:** 97481-002 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-53 (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)	**11**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-002 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-53 (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	**16000**		µg/kg	100	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH
2. Lead	**940000**		µg/kg	2000	200	08/18/20	PT20H18B	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-002 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-53 (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	**240**		µg/kg	50	10	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-002 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-53 (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 (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	**450**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	**360**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	**590**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
9. Chrysene (SIM)	**370**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	**690**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	**340**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-53 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:03**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-53 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	**710**		µg/kg	330	10	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-54 (0-1.5')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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: 97481-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-54 (0-1.5')**

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)	**10**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-003** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-54 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4500**		µg/kg	100	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH
2. Lead	**100000**		µg/kg	1000	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-54 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/17/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-54 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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:** 97481-004 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-54 (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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-004 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-54 (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	**6500**		µg/kg	100	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH
2. Lead	**3800000**		µg/kg	5000	500	08/18/20	PT20H18B	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-004 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-54 (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	**97**		µg/kg	50	9.7	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-004 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-54 (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 (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-54 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-54 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-54 (3-4')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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:** 97481-005 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-54 (3-4')

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-005 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-54 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2400**		µg/kg	100	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH
2. Lead	**6200**		µg/kg	1000	20	08/18/20	PT20H18B	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-005 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-54 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**330**		µg/kg	50	9.4	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-005 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-54 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-54 (3-4')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:15**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-005** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-54 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-55 (0-1.5')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:24**

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: 97481-006** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-55 (0-1.5')**

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)	**15**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-006** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-55 (0-1.5')**

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	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**3200000**		µg/kg	4000	400	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-006** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-55 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
17. Pyrene (SIM)	U		µg/kg	330	20	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-55 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:24**

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:** 97481-007 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-55 (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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-007 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-55 (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	**5200**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**31000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-007 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-55 (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	9.5	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-007 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-55 (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 (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-55 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:24**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-55 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-55 (3-4')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:24**

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:** 97481-008 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-55 (3-4')

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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-008 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-55 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**3500**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**4900**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-008 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-55 (3-4')

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	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-008 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-55 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-55 (3-4')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:24**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-008** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-55 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-56 (0-1.5')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:32**

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: 97481-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-56 (0-1.5')**

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)	**12**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-009** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-56 (0-1.5')**

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	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**100000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-56 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	**350**		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	**350**		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	**590**		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	**740**		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	**350**		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
17. Pyrene (SIM)	**700**		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-56 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:36**

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:** 97481-010 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-56 (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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-010 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-56 (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	**2300**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**9400**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-010 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-56 (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	9.9	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-010 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-56 (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 (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-56 (2-3')**	Chain of Custody:	**187192**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:36**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-56 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-57 (0-1.5')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:42**

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: 97481-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-57 (0-1.5')**

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-011** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-57 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**56000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-57 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-57 (2-3')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:42**

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:** 97481-012 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-57 (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)	**17**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-012 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-57 (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	**11000**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**28000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-012 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-57 (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	9.5	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-012 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-57 (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 (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
3. Anthracene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
9. Chrysene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
12. Fluorene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
15. Naphthalene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-57 (2-3')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:42**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-012** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-57 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	10	08/17/20	PS20H17D	08/18/20	SJ20H18A	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-58 (0-1.5')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	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: 97481-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-58 (0-1.5')**

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)	**12**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-013** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-58 (0-1.5')**

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	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**54000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-58 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-58 (1.5-2')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	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: 97481-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-58 (1.5-2')**

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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-014** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-58 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**12000**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**13000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-014** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-58 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	SJ20H17C	ALS

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-59 (0-1.5')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:00**

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: 97481-015** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-59 (0-1.5')**

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)	**10**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-015** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-59 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5500**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**100000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-015** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-59 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-59 (1.5-2')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:00**

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: 97481-016** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-59 (1.5-2')**

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)	**7**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-016** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-59 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**3700**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**45000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-59 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/17/20	PS20H17D	08/18/20	S520H17A	GJP

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-60 (0-1.5')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:14**

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: 97481-017** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-60 (0-1.5')**

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)	**10**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-017** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-60 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6000**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**130000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-017** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-60 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	**340**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	**430**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	**410**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-60 (2-2.5')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:14**

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: 97481-018** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-60 (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)	**12**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-018** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-60 (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	**9700**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**42000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-018** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-60 (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 (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-61 (0-1.5')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:24**

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: 97481-019** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-61 (0-1.5')**

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)	**9**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-019** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-61 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8600**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**930000**		µg/kg	2000	200	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-019** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-61 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	**430**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	**760**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	**480**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	**630**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-61 (1.5-2')**	Chain of Custody:	**187193**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:24**

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: 97481-020** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-61 (1.5-2')**

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)	**7**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-020** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-61 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2600**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**80000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-020** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-61 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-62 (0-1.5')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

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: 97481-021** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-62 (0-1.5')**

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-021** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-62 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9900**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**45000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-021** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-62 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-62 (2-2.5')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:35**

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: 97481-022** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-62 (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)	**14**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-022** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-62 (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	**12000**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**16000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-022** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-62 (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 (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-63 (0-1.5')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:47**

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: 97481-023** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-63 (0-1.5')**

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)	**10**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-023** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-63 (0-1.5')**

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	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**18000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-023** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-63 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-63 (1.5-2')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:47**

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: 97481-024** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-63 (1.5-2')**

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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-024** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-63 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6200**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**91000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-024** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-63 (1.5-2')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-64 (0-1.5')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:58**

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: 97481-025** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-64 (0-1.5')**

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)	**6**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-025** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-64 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5700**		µg/kg	100	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH
2. Lead	**160000**		µg/kg	1000	20	08/18/20	PT20H18C	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-025** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-64 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	**350**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	**360**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	**470**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	**2200**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	**1600**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	**980**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	**510**		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-64 (1.5-2')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:58**

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:** 97481-026 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-64 (1.5-2')

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)	**8**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-026 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-64 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**1200**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**9600**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-026 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-64 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**58**		µg/kg	50	8.9	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-026 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-64 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-64 (1.5-2')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:58**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-026** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-64 (1.5-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-65 (0-1.5')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:08**

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: 97481-027** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-65 (0-1.5')**

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-027** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-65 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**5000**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**230000**		µg/kg	1000	100	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-027** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-65 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-65 (3-4')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:08**

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:** 97481-028 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-65 (3-4')

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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-028 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-65 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2000**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**4100**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-028 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-65 (3-4')

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	9.3	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-028 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-65 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-65 (3-4')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:08**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-028** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-65 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-66 (0-1.5')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:18**

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: 97481-029** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-66 (0-1.5')**

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)	**12**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-029** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-66 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6400**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**380000**		µg/kg	1000	100	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-029** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-66 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	**340**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	**390**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	**620**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	**380**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	**580**		µg/kg	330	10	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-66 (1.5-2')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:18**

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:** 97481-030 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-66 (1.5-2')

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)	**9**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-030 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-66 (1.5-2')

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	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**1500000**		µg/kg	2000	200	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-030 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-66 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**640**		µg/kg	50	9.0	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-030 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-66 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	**610**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	**820**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	**1100**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	**1500**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	**580**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	**340**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	**1100**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**1000**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	**600**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-66 (1.5-2')**	Chain of Custody:	**187194**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:18**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-030** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-66 (1.5-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	**1000**		µg/kg	330	20	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-66 (3-4')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:18**

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:** 97481-031 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-66 (3-4')

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)	**6**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-031 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-66 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**1000**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**19000**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-031 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-66 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**720**		µg/kg	50	9.4	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-031 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-66 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-66 (3-4')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:18**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-031** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-66 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-67 (0-1.5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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: 97481-032** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-67 (0-1.5')**

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)	**4**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-032** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-67 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**2000**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**66000**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-032** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-67 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18B	08/19/20	S620H18D	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-67 (1.5-2')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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:** 97481-033 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-67 (1.5-2')

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)	**4**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-033 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-67 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**610**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**1600**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-033 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-67 (1.5-2')

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	9.1	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-033 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-67 (1.5-2')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-67 (1.5-2')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:30**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-033** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-67 (1.5-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-68 (0-1.5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:47**

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: 97481-034** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-68 (0-1.5')**

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)	**9**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-034** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-68 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7100**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**100000**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-034** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-68 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	**390**		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
11. Fluoranthene (SIM)	**660**		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
16. Phenanthrene (SIM)	**440**		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
17. Pyrene (SIM)	**570**		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-68 (3-4')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:47**

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:** 97481-035 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-68 (3-4')

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)	**9**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-035 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-68 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4300**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**5500**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-035 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-68 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**53**		µg/kg	50	9.5	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-035 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-68 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-68 (3-4')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:47**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-035** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-68 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/18/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-69 (0-1.5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:00**

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: 97481-036** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-69 (0-1.5')**

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)	**12**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-036** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-69 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9100**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**110000**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-036** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-69 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-69 (3-4')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:00**

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:** 97481-037 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-69 (3-4')

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)	**8**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-037 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-69 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8900**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**550000**		µg/kg	1000	100	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-037 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-69 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**340**		µg/kg	50	9.7	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-037 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-69 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	**350**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	**830**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	**360**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-69 (3-4')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:00**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-037** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-69 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	**340**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-69 (4.5-5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:00**

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:** 97481-038 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-69 (4.5-5')

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)	**12**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-038 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-69 (4.5-5')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**6400**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**7600**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-038 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-69 (4.5-5')

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	9.9	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-038 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-69 (4.5-5')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-69 (4.5-5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:00**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-038** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-69 (4.5-5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-70 (0-1.5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:08**

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: 97481-039** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-70 (0-1.5')**

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)	**6**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-039** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-70 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**8300**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**570000**		µg/kg	1000	100	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-039** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-70 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
17. Pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-70 (4.5-5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:08**

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:** 97481-040 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-70 (4.5-5')

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-040 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-70 (4.5-5')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**9600**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**12000**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-040 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-70 (4.5-5')

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	9.7	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-040 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-70 (4.5-5')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-70 (4.5-5')**	Chain of Custody:	**187195**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:08**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-040** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-70 (4.5-5')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-71 (0-1.5')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:16**

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: 97481-041** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-71 (0-1.5')**

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)	**10**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-041** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-71 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**11000**		µg/kg	100	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH
2. Lead	**21000**		µg/kg	1000	20	08/18/20	PT20H18D	08/18/20	T420H18A	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-041** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-71 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
9. Chrysene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
17. Pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-71 (3-4')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:16**

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:** 97481-042 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** SB-71 (3-4')

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)	**11**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-042 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** SB-71 (3-4')

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	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**25000**	*	µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-042 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** SB-71 (3-4')

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	8.7	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-042 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** SB-71 (3-4')

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-71 (3-4')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:16**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-042** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-71 (3-4')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-72 (0-1.5')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	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: 97481-043** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-72 (0-1.5')**

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-043** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-72 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7300**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**55000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-043** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-72 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	**400**		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	**350**		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
9. Chrysene (SIM)	**360**		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	**610**		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	**510**		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB
17. Pyrene (SIM)	**610**		µg/kg	330	10	08/18/20	PS20H18C	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-72 (2-3')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	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: 97481-044** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-72 (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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-044** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-72 (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	**7500**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**23000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-044** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-72 (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 (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-73 (0-1.5')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:40**

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: 97481-045** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-73 (0-1.5')**

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)	**11**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-045** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-73 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**7200**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**120000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-045** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-73 (0-1.5')**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	**570**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	**1700**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	**1300**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	**1800**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	**740**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	**530**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	**1500**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	**3300**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	**780**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	**2900**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
17. Pyrene (SIM)	**3400**		µg/kg	330	20	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-73 (2-3')**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:40**

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: 97481-046** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-73 (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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-046** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: SB-73 (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	**7300**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**13000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-046** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: SB-73 (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 (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup5-SB**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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:** 97481-047 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** Dup5-SB

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-047 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** Dup5-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**19000**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**1500000**		µg/kg	2000	200	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-047 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** Dup5-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**360**		µg/kg	50	10	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-047 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** Dup5-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	**540**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	**550**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	**870**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	**520**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	**1300**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	**790**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup5-SB**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-047** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup5-SB**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
17. Pyrene (SIM)	**1100**		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup6-SB**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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:** 97481-048 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** Dup6-SB

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	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-048 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** Dup6-SB

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	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**34000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-048 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** Dup6-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	**59**		µg/kg	50	9.5	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-048 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** Dup6-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup6-SB**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-048** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup6-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/18/20	PS20H18C	08/19/20	S520H18A	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup7-SB**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 97481-049** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: Dup7-SB**

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)	**13**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-049** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: Dup7-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**12000**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**29000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-049** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup7-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup8-SB**	Chain of Custody:	**187196**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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: 97481-050** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: Dup8-SB**

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)	**3**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS **Aliquot ID: 97481-050** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: Dup8-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**1300**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**48000**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-050** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup8-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/19/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup9-SB**	Chain of Custody:	**187197**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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:** 97481-051 — **Matrix: Soil/Solid**
Method: ASTM D2216-10 — **Description:** Dup9-SB

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)	**10**		%	1	1.0	08/17/20	MC200817	08/18/20	MC200817	NE

Trace Elements by ICP/MS — **Aliquot ID:** 97481-051 — **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A — **Description:** Dup9-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4300**		µg/kg	100	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH
2. Lead	**3100**		µg/kg	1000	20	08/19/20	PT20H19E	08/19/20	T420H19B	JLH

Mercury by CVAAS — **Aliquot ID:** 97481-051 — **Matrix: Soil/Solid**
Method: EPA 7471B — **Description:** Dup9-SB

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	9.3	08/18/20	PM20H18B	08/18/20	M720H18A	AVC

Polynuclear Aromatic Hydrocarbons (PNAs) — **Aliquot ID:** 97481-051 — **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E — **Description:** Dup9-SB

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
2. Acenaphthylene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
3. Anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
9. Chrysene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
11. Fluoranthene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
12. Fluorene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
15. Naphthalene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB
16. Phenanthrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup9-SB**	Chain of Custody:	**187197**
Client Project Name:	**Field Street and East Grand Boulevard (1-11284)**	Sample No:		Collect Date:	**08/06/20**
Client Project No:	**1-11284**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

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.

Polynuclear Aromatic Hydrocarbons (PNAs) **Aliquot ID: 97481-051** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8270E **Description: Dup9-SB**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
17. Pyrene (SIM)	U		µg/kg	330	1.0	08/19/20	PS20H19A	08/20/20	SJ20H19E	RKB

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.

Analysis Locations:

All analyses performed in Holt.

NELAP ACCREDITED TNI LABORATORY

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

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email: lab@fibertec.us

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Fax: 231 775 8584

Industrial Hygiene Services, Inc.
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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 # 187192

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdykla@asti-env.com
Quote# Field Street / 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	PNAs	HOLD SAMPLE
8/6/20	903		SB-53 (0-1.5')	S	1	X	X		X	
	903		SB-53 (2-3')			X	X	X	X	
	915		SB-54 (0-1.5')			X	X		X	
	915		SB-54 (2-3')			X	X	X	X	
	915		SB-54 (3-4')			X	X	X	X	
	924		SB-55 (0-1.5')			X	X		X	
	924		SB-55 (2-3')			X	X	X	X	
	924		SB-55 (3-4')			X	X	X	X	
	932		SB-56 (0-1.5')			X	X		X	
	936		SB-56 (2-3')			X	X	X	X	

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
AUG 13 2020
Initials: CI

Comments:

Sampled/Relinquished By: Michael Dykla	Date/ Time 8/6/20 1400	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: Dale A. Shade 8/13/20 8:46
Relinquished By: Dale A. Shade	Date/ Time 8/13/20 3:20	Received By Laboratory:

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: 9748

Temperature upon receipt at Lab: 3.2°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

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Fax: 517 699 0388
email: lab@fibertec.us

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Fax: 231 775 8584

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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 # 187193

Client Name: ASTI Environmental

Contact Person: Brian Kuberski

Project Name/ Number: Field Street / 1-11284

Email distribution list: bkuberski@asti-env.com mdyke@asti-env.com

Quote# Field Street 1-11284

Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	PNAs	HOLD SAMPLE
8/6/20	942		SB-57 (0-1.5')	S	1	X	X		X	
	942		SB-57 (2-3')			X	X	X	X	
	950		SB-58 (0-1.5')			X	X		X	
	950		SB-58 (1.5-2')			X	X		X	
	1000		SB-59 (0-1.5')			X	X		X	
	1000		SB-59 (1.5-2')			X	X		X	
	1014		SB-60 (0-1.5')			X	X		X	
	1014		SB-60 (2-~~3~~2.5')			X	X		X	
	1024		SB-61 (0-1.5')			X	X		X	
	1024		SB-61 (1.5-2')			X	X		X	

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
AUG 13 2020
Initials: CL

Comments:

Sampled/Relinquished By: [signature]	Date/ Time 8/6/20 1400	Received By: ASTI cold storage
Relinquished By: ASTI Cold storage	Date/ Time	Received By: [signature] 8/13/20 8:46
Relinquished By: [signature]	Date/ Time 8/13/20 3:20	Received By Laboratory: [signature]

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: 97481

Temperature upon receipt at Lab: 3.2°C

Received On Ice

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Fibertec environmental services

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email: asbestos@fibertecihs.com

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Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 187194
PAGE 3 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdykta@asti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	PNAs							HOLD SAMPLE
8/6/20	1035		SB-62 (0-1.5')	S	1	X	X		X							
	1035		SB-62 (2-2.5')			X	X		X							
	1047		SB-63 (0-1.5')			X	X		X							
	1047		SB-63 (1.5-2')			X	X		X							
	1058		SB-64 (0-1.5')			X	X		X							
	1058		SB-64 (1.5-2')			X	X	X	X							
	1108		SB-65 (0-1.5')			X	X		X							
	1108		SB-65 (3-4')			X	X	X	X							
	1118		SB-66 (0-1.5')			X	X		X							
	1118		SB-66 (1.5-2')			X	X	X	X							

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
AUG 13 2020
Initials: CI

Comments:

Sampled/Relinquished By: [signature]	Date/ Time 8/6/20 1400	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: [signature] 8/13/20 8:46
Relinquished By: [signature]	Date/ Time 8/13/20 3:20	Received By Laboratory: [signature]

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: 97481
Temperature upon receipt at Lab: 3.2°C
Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
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Chain of Custody # **187195**
PAGE 4 of 6

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdykla@asti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	PAHs	HOLD SAMPLE
8/6/20	1118		SB-66 (3-4')	S	1	X	X	X	X	
	1130		SB-67 (0-1.5')			X	X		X	
	1130		SB-67 (1.5-2')			X	X	X	X	
	1147		SB-68 (0-1.5')			X	X		X	
	1147		SB-68 (3-4')			X	X	X	X	
	1200		SB-69 (0-1.5')			X	X		X	
	1200		SB-69 (3-4')			X	X	X	X	
	1200		SB-69 (4.5-5')			X	X	X	X	
	1208		SB-70 (0-1.5')			X	X		X	
	1208		SB-70 (4.5-5')			X	X	X	X	

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

Remarks:

Received By Lab
AUG 13 2020
Initials: CT

Comments:

Sampled/Relinquished By: [signature]	Date/ Time 8/6/20 1400	Received By: ASTI cold storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: [signature] 8/13/20 8:46
Relinquished By: [signature]	Date/ Time 8/13/20 3:20	Received By Laboratory: [signature]

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: 97481

Temperature upon receipt at Lab: 3.2°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

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email: asbestos@fibertecihs.com

Geoprobe
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Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 187196

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bkuberski@asti-env.com mdyklaasti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	PAHs	HOLD SAMPLE
8/6/20	1216		SB-71 (0-1.5')	S	1	X	X		X	
	1216		SB-71 (3-4')			X	X	X	X	
	1230		SB-72 (0-1.5')			X	X		X	
	1230		SB-72 (2-3')			X	X		X	
	1240		SB-73 (0-1.5')			X	X		X	
	1240		SB-73 (2-3')			X	X		X	
	—		Dup5 -SB			X	X	X	X	
	—		Dup6 -SB			X	X	X	X	
	—		Dup7 -SB			X	X		X	
	—		Dup8 -SB			X	X		X	

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

Remarks:

Received By Lab
AUG 13 2020
Initials: CI

Comments:

Sampled/Relinquished By: Mitchell	Date/ Time 8/6/20 1400	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: 8/13/20 8:46
Relinquished By: 3:20	Date/Time 8/13/20	Received By Laboratory:

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: 97481

Received On Ice

Temperature upon receipt at Lab: 3.2°c

Please see back for terms and conditions

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 # **187197**

Client Name: ASTI Environmental
Contact Person: Brian Kuberski
Project Name/ Number: Field Street / 1-11284
Email distribution list: bKuberski@asti-env.com mdyklu@asti-env.com
Quote# Field Street 1-11284
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	Arsenic	Lead	Mercury	PAHs	HOLD SAMPLE
6/16/20	—		Dup 9-SB	S	1	X	X	X	X	

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
AUG 13 2020
Initials: CT

Comments:

Sampled/Relinquished By: Mitchell	Date/ Time 6/16/20 1400	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: 8/13/20 8:46
Relinquished By:	Date/Time 8/13/20 3:20	Received By Laboratory:

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

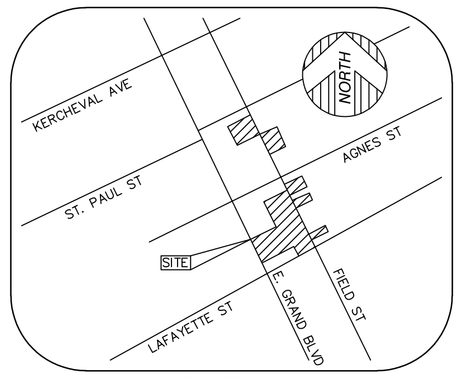
Fibertec project number: 97481

Temperature upon receipt at Lab: 3.2°C

Received On Ice

Please see back for terms and conditions

Attachment D
Survey with Legal Descriptions



VICINITY MAP
(NOT TO SCALE)

PARKING
HANDICAP PARKING = 1 STALL
STANDARD PARKING = 87 STALLS

BASIS OF BEARING
NORTH 26°00'00" WEST, BEING THE RIGHT OF WAY OF FIELD STREET, AS PLATTED.

SURVEYOR'S NOTE
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

TITLE REPORT NOTE
SEE PAGE 2 OF 2.

LEGEND

◉	FOUND MONUMENT (AS NOTED)
(R&M)	RECORD AND MEASURED DIMENSION
(R)	RECORD DIMENSION
(M)	MEASURED DIMENSION
Ⓔ	ELECTRIC MANHOLE
⊠	ELECTRIC METER
⊟	ELECTRIC PANEL
△	TRANSFORMER
○	UTILITY POLE
⊠	GAS METER
⋈	GAS VALVE
	LIGHT POLE WITH STREET LAMP
Ⓛ	PUBLIC LIGHTING MANHOLE
Ⓣ	TELEPHONE MANHOLE
◨	TELEPHONE RISER
◪	CABLE TV RISER
⊗	CLEANOUT
Ⓒ	COMBINATION SANITARY/STORM MANHOLE
▦	SQUARE CATCH BASIN
●	DRAIN
Ⓢ	STORM DRAIN MANHOLE
	FIRE HYDRANT
⋈	WATER VALVE
Ⓤ	UNKNOWN MANHOLE
AC	AIR CONDITIONING UNIT
•	BOLLARD
☼	LIGHTPOST/LAMP POST
	SINGLE POST SIGN
	PARCEL BOUNDARY LINE
	PLATTED LOT LINE
	ADJOINER PARCEL LINE
	EASEMENT CENTERLINE
	BUILDING
	BUILDING OVERHANG
	CONCRETE CURB
	RAISED CONCRETE
	PARKING
	EDGE OF CONCRETE (CONC.)
	EDGE OF ASPHALT (ASPH.)
-x-	FENCE (AS NOTED)
	WALL (AS NOTED)
	OVERHEAD UTILITY LINE
	BUILDING AREA
	BUILDING AREA
	ASPHALT
	CONCRETE

HOUSE DETAIL - SCALE: 1"=30'

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

PROPERTY DESCRIPTION
THE LAND SITUATED IN THE CITY OF DETROIT, COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

FIELD STREET (PHASE I)

PARCEL 1:
LOT 57 AND THE EAST 120 FEET OF LOT 56, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1005 FIELD
TAX ID: 15007487–8

PARCEL 2:
LOTS 60, 61 AND 64, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1023 FIELD
TAX ID: 15007484–6

PARCEL 3:
LOT 65 AND 68, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1045 FIELD
TAX ID: 15007482–3

PARCEL 4:
LOT 69, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1065 FIELD
TAX ID: 15007481.

PARCEL 5:
LOT 72 AND 73, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1083 FIELD
TAX ID: 15007479–80

PARCEL 6:
NORTH 25 FEET OF LOT 62 AND ALL OF LOT 63, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 240 E. GRAND BLVD.
TAX ID: 15007534.

PARCEL 6A:
LOT 76, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1103 FIELD
TAX ID: 15007478

FIELD STREET II (PHASE II)

PARCEL 7:
NORTH 10 FEET OF LOT 2, AND ALL OF LOT 3, MOSES W. FIELDS SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1014 FIELD
TAX ID: 17013513.

PARCEL 8:
NORTH 10 FEET OF LOT 11 AND ALL OF LOTS 12 AND 13, MOSES W. FIELDS SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1070 FIELD
TAX ID: 17013520–1

PARCEL 9:
LOTS 15 AND 16, MOSES W. FIELDS SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1090 FIELD
TAX ID: 17013523–4

PARCEL 10:
LOTS 17 THROUGH 19, MOSES W. FIELDS SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1100 FIELD
TAX ID: 17013525–7

PARCEL 11:
LOTS 134 AND 135, MOSES W. FIELD SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1448 FIELD
TAX ID: 17013536–7

PARCEL 12:
LOTS 136 AND 137, MOSES W. FIELDS SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1458 FIELD
TAX ID: 17013538.

PARCEL 13:
LOTS 138 AND 139, MOSES W. FIELDS SUBDIVISION, AS RECORDED IN LIBER 8, PAGE 37 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1470 FIELD
TAX ID: 17013539–40

PARCEL 14:
LOT 98 AND THE NORTH 25 FEET OF LOT 99, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 1481 FIELD
TAX ID: 15007472.

PARCEL 15:
LOT 97, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.
AREA: 9,000± SQUARE FEET = 0.207± ACRES

ADDRESS: 1491 FIELD
TAX ID: 15007471.

PARCEL 16:
LOT 58, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 232 E. GRAND BLVD.
TAX ID: 15007531.

PARCEL 17:
LOT 59, AND THE SOUTH 25 FEET OF LOT 62, MOSES W. FIELDS 2ND SUBDIVISION, AS RECORDED IN LIBER 10, PAGE 10 OF PLATS, WAYNE COUNTY RECORDS.

ADDRESS: 236 E. GRAND BLVD.
TAX ID: 15007532 AND 15007533

***NOTE: BOTH PHASE I AND PHASE II ARE BEING COMBINED.**

SURVEYOR'S CERTIFICATION
TO FIELD STREET III LIMITED DIVIDEND HOUSING ASSOCIATION, LLC, A MICHIGAN LIMITED LIABILITY COMPANY; OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY; AND CINNAIRE TITLE SERVICES, LLC:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDED ITEMS 2, 4, 7A, 8, AND 9 OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON 10/28/19.

DATE OF PLAT OR MAP: 11/01/19

DRAFT

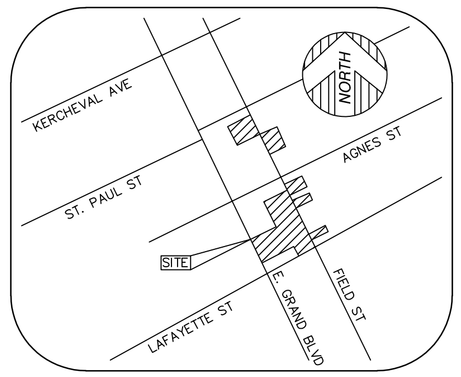
ANTHONY T. SYCKO, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
TSycko@kemtec-survey.com

KEM-TEC
SURVEYING & ENGINEERING, ARCHITECTURE & ENVIRONMENTAL SERVICES
A GROUP OF COMPANIES
Eastpointe (800) 295.7222
Ann Arbor (734) 994.0888
Detroit (313) 758.0877
Grand Blanc (888) 694.0001
www.kemtecgroupofcompanies.com

ALTA / NSPS LAND TITLE SURVEY
PREPARED FOR: MHT HOUSING, INC
232, 236, 238, AND 240 E GRAND BLVD; 1014, 1070, 1090, 1100, 1448, 1458, 1470, 1005, 1023, 1045, 1065, 1083, 1103, 1481 & 1491 FIELD ST,
DETROIT, MICHIGAN,
PART OF PRIVATE CLAIMS 16 AND 678

REVISION	DATE	BY	DESCRIPTION
2	11-13-19	JV	RECEIVED UPDATED TITLE WORK
1	11-12-19	JV	PER REVIEW COMMENTS DATED NOVEMBER 5, 2019

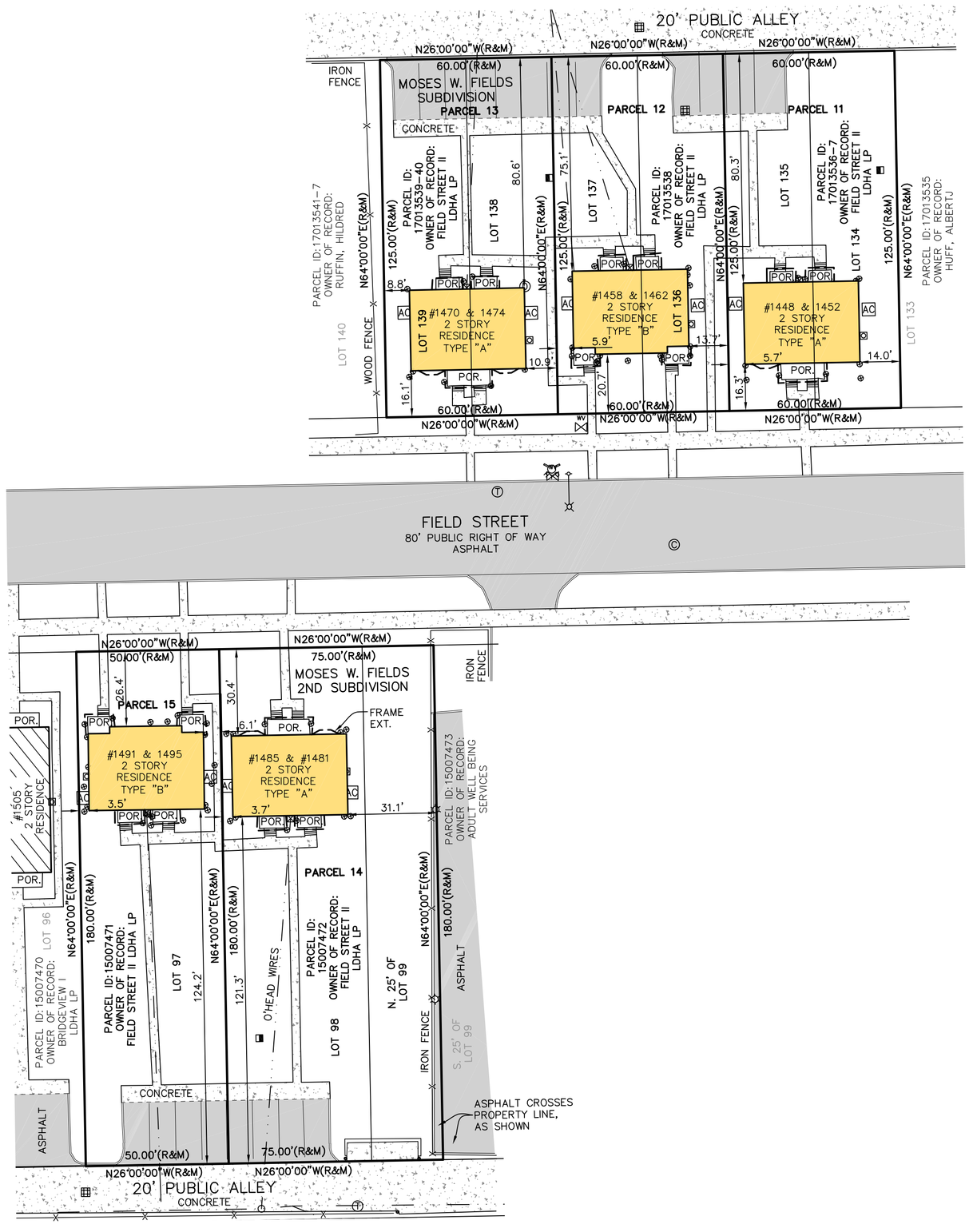
DRAWN BY: MRJ 11/01/19
CHECKED BY: ATS 11/01/19
DATE: NOVEMBER 01, 2019
SCALE: 1" = 30'
PROJECT NO. 19-03365

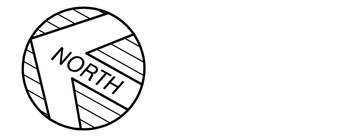


VICINITY MAP
(NOT TO SCALE)

LEGEND

◉	FOUND MONUMENT (AS NOTED)
(R&M)	RECORD AND MEASURED DIMENSION
(R)	RECORD DIMENSION
(M)	MEASURED DIMENSION
Ⓔ	ELECTRIC MANHOLE
⊠	ELECTRIC METER
⊞	ELECTRIC PANEL
△	TRANSFORMER
○	UTILITY POLE
⊠	GAS METER
⋈	GAS VALVE
	LIGHT POLE WITH STREET LAMP
Ⓛ	PUBLIC LIGHTING MANHOLE
Ⓣ	TELEPHONE MANHOLE
	TELEPHONE RISER
	CABLE TV RISER
⊗	CLEANOUT
Ⓒ	COMBINATION SANITARY/STORM MANHOLE
▦	SQUARE CATCH BASIN
⊕	DRAIN
Ⓢ	STORM DRAIN MANHOLE
	FIRE HYDRANT
⋈	WATER VALVE
Ⓜ	UNKNOWN MANHOLE
AC	AIR CONDITIONING UNIT
•	BOLLARD
☼	LIGHTPOST/LAMP POST
	SINGLE POST SIGN
	PARCEL BOUNDARY LINE
	PLATTED LOT LINE
	ADJOINER PARCEL LINE
	EASEMENT CENTERLINE
	BUILDING
	BUILDING OVERHANG
	CONCRETE CURB
	RAISED CONCRETE
	PARKING
	EDGE OF CONCRETE (CONC.)
	EDGE OF ASPHALT (ASPH.)
-X-	FENCE (AS NOTED)
	WALL (AS NOTED)
	OVERHEAD UTILITY LINE
	BUILDING AREA
	BUILDING AREA
	ASPHALT





GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

SURVEYOR'S CERTIFICATION

ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY COMMITMENT No. 703945, DATED OCTOBER 16, 2019, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

6. REGULATORY AGREEMENT/RESTRICTIVE COVENANT IN FAVOR OF MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, RECORDED IN LIBER 27806, PAGE 540, AS TO PARCELS 1 THROUGH 6. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

10. UNDERGROUND DISTRIBUTION EASEMENT IN FAVOR OF THE DETROIT EDISON COMPANY, RECORDED IN LIBER 26575, PAGE 733, AS TO PARCELS 1 THROUGH 6. (AS SHOWN)

20. TERMS AND CONDITIONS OF AFFORDABLE HOUSING RESTRICTION, RECORDED IN LIBER 29480, PAGE 912, AS TO PARCELS 7 THROUGH 17. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

21. REGULATORY AGREEMENT WITH MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, RECORDED IN LIBER 29480, PAGE 853, AS TO PARCELS 7 THROUGH 17. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

22. REGULATORY AGREEMENT WITH MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY, RECORDED IN LIBER 30096, PAGE 3242, AS TO PARCELS 7 THROUGH 17. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

PARCEL AREA

PARCEL 1:
15,000± SQUARE FEET = 0.344± ACRES

PARCEL 2:
27,000± SQUARE FEET = 0.620± ACRES

PARCEL 3:
18,000± SQUARE FEET = 0.413± ACRES

PARCEL 4:
9,000± SQUARE FEET = 0.210± ACRES

PARCEL 5:
18,000± SQUARE FEET = 0.413± ACRES

PARCEL 6:
11,625± SQUARE FEET = 0.267± ACRES

PARCEL 6A:
9,000± SQUARE FEET = 0.210± ACRES

PARCEL 7:
5,000± SQUARE FEET = 0.115± ACRES

PARCEL 8:
8,750± SQUARE FEET = 0.201± ACRES

PARCEL 9:
7,500± SQUARE FEET = 0.172± ACRES

PARCEL 10:
11,250± SQUARE FEET = 0.258± ACRES

PARCEL 11:
7,500± SQUARE FEET = 0.172± ACRES

PARCEL 12:
7,500± SQUARE FEET = 0.172± ACRES

PARCEL 13:
7,500± SQUARE FEET = 0.172± ACRES

PARCEL 14:
13,500± SQUARE FEET = 0.310± ACRES

PARCEL 15:
9,000± SQUARE FEET = 0.207± ACRES

PARCEL 16:
7,750± SQUARE FEET = 0.178± ACRES

PARCEL 17:
11,625± SQUARE FEET = 0.267± ACRES

TOTAL:
204,500± SQUARE FEET = 4.701± ACRES

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Grand Blanc (888) 694-0001
Eastpointe (800) 295-7222
Detroit (313) 758-0877
www.kemtecgroupofcompanies.com

ALTA / NSPS LAND TITLE SURVEY

PREPARED FOR: MHT HOUSING, INC

232, 236, 238, AND 240 E GRAND BLVD; 1014, 1070, 1090, 1100, 1448, 1458, 1470, 1005, 1023, 1045, 1065, 1083, 1103, 1481 & 1491 FIELD ST, DETROIT, MICHIGAN,

PART OF PRIVATE CLAIMS 16 AND 678

REVISION	DATE	BY	DESCRIPTION
2	11-13-19	JV	RECEIVED UPDATED TITLE WORK
1	11-12-19	JV	PER REVIEW COMMENTS DATED NOVEMBER 5, 2019

DRAWN BY: MRJ 11/01/19
CHECKED BY: ATS 11/01/19
DATE: NOVEMBER 01, 2019
PROJECT NO. 19-03365
SCALE: 1" = 30'

Attachment E
Resume of Brian Kuberski

BRIAN KUBERSKI
Group Leader

PROFILE

Certifications
40-Hour OSHA HAZWOPER
Certified Asbestos Inspector, Michigan (Certification No. A33882)

Education and Training
Natural Resource Planning and Management, B.S. University of Michigan-Flint, Flint, Michigan
ASTM Risk-Based Corrective Action at Petroleum Release Sites

Experience History
Environmental Professional, Property Services Group, ASTI ENVIRONMENTAL
Project Manager, Applied EcoSystems Great lakes
Field Scientist, ATC Associates, Inc.

Professional Background
Mr. Kuberski has conducted work on various environmental projects including Phase II Environmental Site Assessments (ESAs), methane and soil gas monitoring, groundwater monitoring, Baseline Environmental Assessments, Response Activity Plans, Documentation of Due Care Compliance reports, and Certificate of Completion reports. Mr. Kuberski has also conducted work on environmental projects involving site investigative activities for hydrogeological studies and site remediation of petroleum contamination of soil and groundwater from leaking underground storage tanks. He has provided management oversight of projects from initial UST removals through implementation of remedial actions, long-term groundwater monitoring, Initial and Final Assessment Reporting, and site closures. In addition, he has completed various site remediation projects including soil removal and free product removal. Mr. Kuberski has performed numerous Phase I Environmental Site Assessments and asbestos inspections of residential, commercial, and industrial properties in Michigan. Mr. Kuberski is knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and ASTM E1527 and meets the requirements of an Environmental Professional per AAI.

Years' Experience:

14 --- ASTI ENVIRONMENTAL
7 --- other firms

ENVIRONMENTAL DUE DILLIGENCE AND SITE INVESTIGAITON PROJECTS

Former Dry Cleaner
A Phase I ESA identified the site as a former dry cleaner. Investigations completed at the site included soil and groundwater sampling, geophysical survey, and soil gas sampling. An underground storage tank was identified and removed from the site. Subsurface investigation identified petroleum-impacted soil and groundwater. A Response Activity Plan was submitted to EGLE for review and was approved with the proposed response activities consisting of soil removal and a soil gas investigation.

Former Orchard
A Phase I ESA identified a former orchard on a vacant property. Investigations were completed to determine if the soil was impacted from the former orchard operation. Arsenic was identified above the cleanup criteria and additional investigations were completed to determine the extent of the impacted soil. The extent of the impacted soil was delineated, and a Response Activity Plan was submitted to EGLE for review. The Response Activity Plan was approved by EGLE with the proposed response activity consisting of soil removal.

Investigation of former glass manufacturing operation
A Phase I ESA identified the site as a facility based on prior investigations that indicated the site was part of a former glass manufacturing operation. A subsurface investigation was completed to assess the upper soil at the site consisting of the completion of soil borings prior to sampling of fill material identifying compounds above the direct contact cleanup criteria. Additional soil sampling was completed to further assess the fill material at the site and a Response Activity Plan was submitted to EGLE for review. The Response Activity Plan was approved by EGLE with the proposed response activities consisting of removal of soil and placement of soil barriers. Response activities were completed and documented with the completion of a Documentation of Due Care Compliance report for EGLE review. The Documentation of Due Care Compliance report was approved by EGLE.

UNDERGROUND STORAGE TANK SERVICES

UST Removal – Apartment Building
Coordinated and oversaw the removal of a UST associated with a generator. A soil investigation was completed that delineated the area of impacted soil. A Restrictive Covenant was completed prohibiting the installation of water wells in the impacted area, and a Closure Report was submitted to EGLE and approved.

UST Removal – Apartment Building
Coordinated and oversaw the removal of a UST discovered during the completion of a Geophysical in one-acre exposure areas with random grid sampling. Sampling identified the site had widespread detections of arsenic above the cleanup criteria for direct contact. A Response Activity Plan was submitted to EGLE for review with the proposed response activity consisting of soil removal with placement of a barrier. The Response Activity Plan was approved by EGLE.

Former Dry Cleaner
A Phase I ESA identified the site as containing several former dry cleaners or clothes cleaners. Investigations completed at the site included soil, soil gas, and indoor air sampling. Sampling identified chlorinated volatile organic compounds (VOCs) in soil adjacent the apartment building on the site. Soil gas sampling identified chlorinated VOCs under the slab of the building. Soil sampling also identified soil in the upper foot of soil above the direct contact criteria A Response Activity Plan was completed with the proposed response activities consisting of soil removal with the placement of a barrier and design of a vapor mitigation system for the building. The Response Activity Plan was submitted to EGLE for review.

Investigation of Former Developed Land
A Phase I ESA identified the site as a facility based on Survey during due diligence activities. A soil investigation was completed that delineated the area of impacted soil. Coordinated and supervised the remediation of the impacted soil by excavation and transportation to a licensed landfill. A closure report was completed and approved by EGLE.

ASTI ENVIRONMENTAL

ENVIRONMENTAL INVESTIGATION, REMEDIATION, COMPLIANCE AND RESTORATION PROJECTS THROUGHOUT THE GREAT LAKES SINCE 1985.

OUR SERVICES INCLUDE:

- **ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS**
- **BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE**
- **DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT**
- **ECOLOGICAL ASSESSMENTS AND RESTORATION**
- **ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS**
- **ENVIRONMENTAL OPPORTUNITIES ASSESSMENT**
- **GIS MAPPING**
- **HAZARD MITIGATION PLANNING**
- **MINING AND RECLAMATION ASSISTANCE**
- **REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE**
- **PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS**
- **REGULATORY COMPLIANCE AND PERMITTING**
- **SOIL AND GROUNDWATER ASSESSMENTS**
- **SOIL AND GROUNDWATER REMEDIATION**
- **STORAGE TANK COMPLIANCE AND CLOSURE**
- **THREATENED AND ENDANGERED SPECIES SURVEYS**
- **WATERSHED AND STORMWATER MANAGEMENT PROGRAMS**
- **WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING**

ASTI ENVIRONMENTAL
Detroit/Grand Rapids/Brighton

Phone: 1-800-395-2784
www.asti-env.com
Email: environmental@asti-env.com