



February 15, 2022

Mr. Lee Gosson
Michigan Department of Environment, Great Lakes, and Energy
Remediation and Redevelopment Division
Bay City District Office
401 Ketchum Street, Suite B
Bay City, Michigan 48708

Re: Expanded Triage Program – Limited Site Investigation
11031 Shoemaker Street Detroit MI 48213
11031 Shoemaker Street
Detroit, Wayne County, Michigan
Facility ID: 00041622

Dear Mr. Gosson:

The Mannik & Smith Group, Inc. (MSG) has been retained by the Michigan Department of Technology, Management and Budget (DTMB) to provide limited site investigation services on behalf of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) under EGLE's 2019 Environmental Expanded Triage Program (ETP). This report summarizes MSG's limited site investigation activities conducted at the 11031 Shoemaker Street Detroit MI 48213 site (the Site) located at 11031 Shoemaker Street in Detroit, Wayne County, Michigan (*Figure 1, Site Location Map*).

The limited Site investigation activities described in this report were performed in general accordance with MSG's 2019 Environmental Expanded Triage Work Plan dated July 8, 2019. The findings of this report are valid as of the report date, subject to the limitations presented in *Attachment A, Triage Site Investigation Limitations*.

On October 22, 2021, MSG conducted a geophysical survey at the Site within an area defined by Mr. Ari McKeever, EGLE's State Project Manager (SPM). The results of the geophysical survey are included in *Attachment B, Geophysical Investigation Report*.

On January 12-14, 2022, MSG drilled and sampled fifteen soil borings, designated SB-01 through SB-15, at the Site using direct-push technology. The soil borings were advanced to a maximum depth of 15 feet below ground level (bgl). Continuous soil cores were collected from the ground surface to the boring terminus depth at each boring location. The recovered soil cores were field screened for total (undifferentiated) volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Five (5) soil samples were selected for oleophilic dye testing to expeditiously evaluate for the presence of non-aqueous phase liquids (NAPL) using the following priority system:

1. Site specific instructions given by the SPM.
2. Samples with visible staining (not including sheens or other visual observations of NAPL).
3. Samples with the highest PID readings at a given boring location.
4. Professional judgment.

One (1) of the five (5) dye-tested soil samples [SB-14 (5ft)] yielded a positive result for the presence of NAPL. The remaining four (4) dye-tested soil samples [SB-02 (10ft), SB-04 (9ft), SB-11 (15 ft), and SB-13 (15ft)] yielded negative results.

The soils encountered at the Site during drilling and sampling on January 12-14, 2022 generally consisted of silty sand/sandy silt underlain by silty clay. Groundwater was encountered during drilling and soil sampling activities at one (1) of the 15 boring locations (SB-11 at a depth of approximately 9.8 feet bgl), although there was insufficient groundwater present at SB-11 to collect a groundwater sample for laboratory analysis.

Indications of petroleum-related impact (elevated PID readings greater than 1 part per million {ppm}, odors, staining) were observed at seven (7) of the 15 soil boring locations including borings SB-01, SB-02, SB-03, SB-04, SB-05, SB-11, and SB-14. PID field screening results for the recovered soil cores ranged from less than 1.0 ppm to a maximum of 26.7 ppm (SB-05 at a depth of 9 feet bgl).

The soil boring locations are depicted on *Figure 2, Soil Sample Analytical Summary*. The Daily Field Reports for the drilling and sampling activities are included in *Attachment C, Daily Field Reports*. The soil boring logs are provided in *Attachment D, Soil Boring Logs*. Photographs of the field investigation activities are included in *Attachment E, Photo Log*.

Soil samples from each boring were selected for VOCs analysis using the following priority system:

1. Site specific instructions given by the SPM.
2. Samples with visible staining or sheen or positive oleophilic dye testing results.
3. Samples with PID readings greater than 1,000 ppm.
4. Samples with PID readings between 500 ppm and 999 ppm.
5. Samples with PID readings between 100 ppm and 499 ppm.
6. Samples with PID readings between 1 ppm and 99 ppm.
7. Samples collected from a depth interval just above the depth where groundwater was encountered during drilling and soil sampling
8. Samples at the terminus depth of the boring if no groundwater was encountered during drilling and soil sampling.

Soil samples were selected for polynuclear aromatic hydrocarbon (PNA) analysis using the following priority system:

1. Site specific instructions given by the SPM.
2. Samples with visible staining or sheen or positive oleophilic dye testing results.

As noted above, groundwater was encountered during drilling and soil sampling at boring SB-11 at a depth of approximately 9.8 feet bgs. A temporary monitoring well assembly screened from 10-15 ft bgl was installed in the SB-11 borehole on January 13, 2022. Collection of a groundwater sample was attempted on January 14, 2022 after the temporary monitoring well had been allowed to equilibrate overnight. There was insufficient groundwater present in the temporary well for sampling on January 14. Therefore, no groundwater sample was collected for laboratory analysis.

Below is a summary of the soil samples collected for laboratory analysis:

Sample Selection Summary

Sample ID	Soil Boring	Sample Type	Sample Depth (ft)	Field Indicator
SB-01 (10 ft)	SB-01	Soil	10	PID= 2.5 ppm

Sample ID	Soil Boring	Sample Type	Sample Depth (ft)	Field Indicator
SB-02 (10 ft)	SB-02	Soil	10	PID = 5.3 ppm
SB-03 (9 ft)	SB-03	Soil	9	PID = 2.6 ppm
SB-04 (9 ft)	SB-04	Soil	9	PID= 15.7 ppm
SB-05 (9 ft)	SB-05	Soil	9	PID = 26.7 ppm
SB-06 (15 ft)	SB-06	Soil	15	Boring Terminus
SB-07 (15 ft)	SB-07	Soil	15	Boring Terminus
SB-08 (15 ft)	SB-08	Soil	15	Boring Terminus
DUP-1	SB-08	Soil	15	Boring Terminus
SB-09	SB-09	Not Sampled	--	Refusal at 1 ft bgl – 3 offsets attempted
SB-10	SB-10	Not Sampled	--	Refusal at 1 ft bgl – 3 offsets attempted
SB-11 (15 ft)	SB-11	Soil	15	Sheen
SB-12 (15 ft)	SB-12	Soil	15	Boring Terminus
SB-13 (15 ft)	SB-13	Soil	15	Boring Terminus
SB-14 (5 ft)	SB-14	Soil	5	Petroleum-like Odor Positive Dye Test
SB-15 (15 ft)	SB-15	Soil	15	Boring Terminus

MSG collected 14 soil samples for laboratory analyses, including one (1) duplicate soil sample collected for quality assurance/quality control (QA/QC) purposes. The duplicate soil sample (designated DUP-1) corresponds to the soil sample collected from boring SB-08 at a depth of 15 feet bgl. Samples were not collected from borings SB-09 and SB-10 due to obstacles encountered at one (1) foot bgs, despite three (3) offset attempts per boring.

The 14 soil samples collected for VOC analysis were preserved in the field using United States Environmental Protection Agency (USEPA) Method 5035, and were analyzed for VOCs by Fibertec Environmental Services (Fibertec) of Holt, Michigan, an overflow laboratory of the EGLE Environmental Laboratory in Lansing, Michigan, using USEPA Method 8260D. In addition, eight (8) soil samples including SB-02 (10 ft), SB-04 (9 ft), SB-05 (9 ft), SB-08 (15 ft), DUP-1, SB-11 (15 ft), SB-13 (15 ft), and SB-14 (15 ft) were submitted to the EGLE Environmental Laboratory who subcontracted Fibertec for analysis of PNAs using USEPA Method 8270E.

The above noted soil samples were submitted to the laboratory under standard chain of custody protocol. The soil sample laboratory analytical results are summarized on the attached tables. The laboratory analytical data report and chain of custody forms are included in *Attachment F, Laboratory Data Report and Chain of Custody Forms*.

MSG appreciates the opportunity to provide these professional services to the DTMB and EGLE. We look forward to continued opportunities to serve the State of Michigan.

Sincerely,

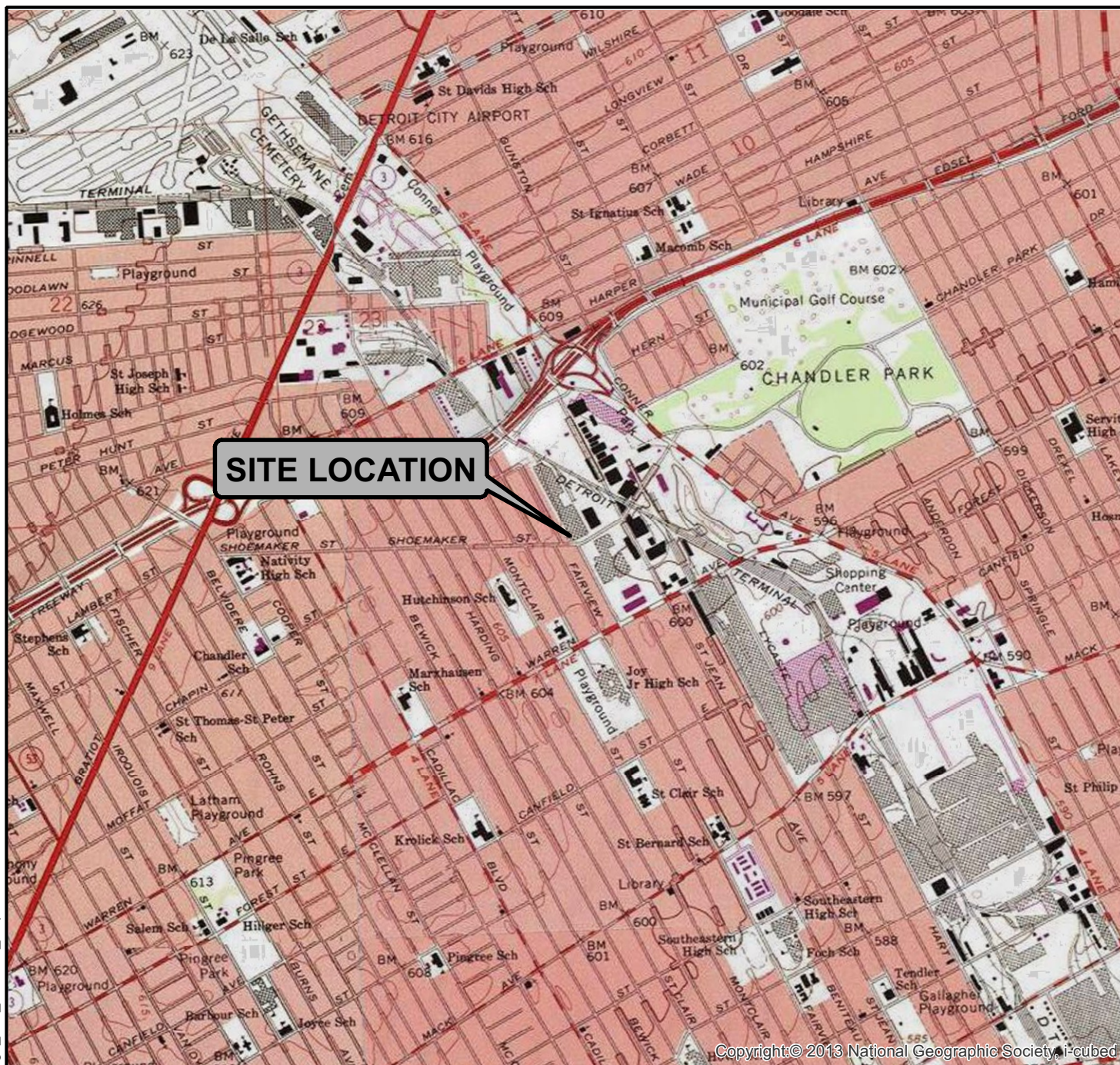

 Dave Adler, CPG
 MSG Project Manager


 Mark Schult, CPG
 MSG Group Manager

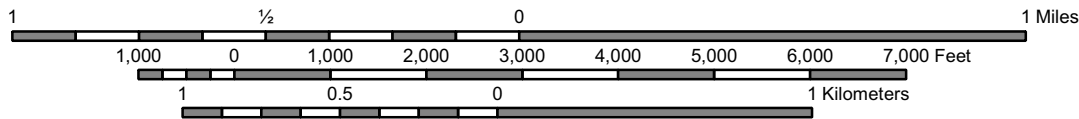
Cc: Ari McKeever, EGLE RRD
 Warren District Office

FIGURES



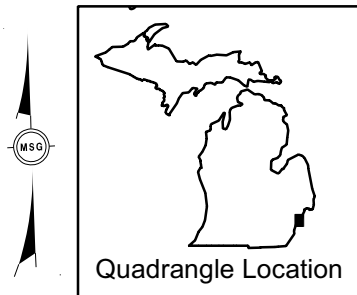


SCALE 1:24000



Contour Interval 10 Feet

National Geodetic Vertical Datum of 1929



NOTE: Map adapted from National Geographic TOPO! seamless, scanned images of USGS Topographic Maps, Belle Isle, Detroit, Grosse Pointe and Highland Park, MI (7.5 minute series).



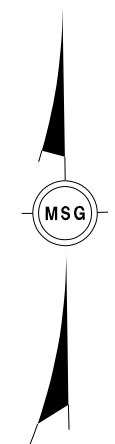
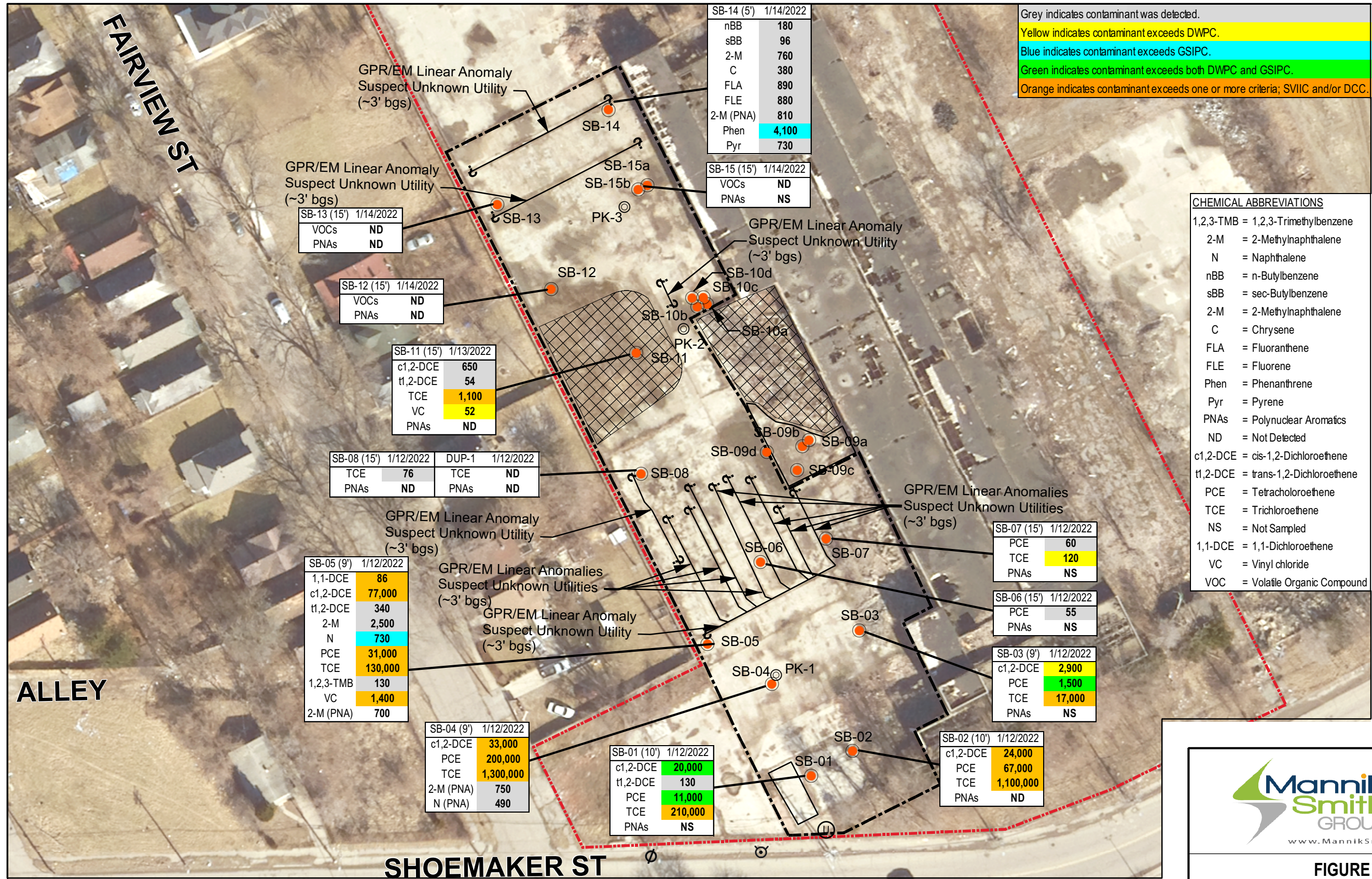
FIGURE 1

SITE LOCATION MAP

11031 Shoemaker Street
11031 Shoemaker Street
Detroit, Wayne County, MI

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
10/19/2021	CJB	CJB	DTMB0576

Date Saved: 2/14/2022 8:22:00 AM
Path: S:\Projects\Project A-EIDTMB0576\ENGAPPS\DTMB0576_Fig2_Soil_Sample_Analytical_Summary_.mxd



- Legend**
- Approx. Property Boundary
 - Approx. Geophysical Survey Area
 - GPR/EM Anomaly
 - GPR Obstruction Area
 - Linear Anomaly Continuation
 - Fire Hydrant
 - Utility Manhole
 - Utility Pole
 - Soil Boring
 - PK Nail

0 60 120
Scale: 1" = 60'
Property boundary approximated.
Property boundary information obtained from Wayne County Parcel Viewer

Mannik Smith GROUP
TECHNICAL SKILL.
CREATIVE SPIRIT.
www.MannikSmithGroup.com

FIGURE 2
SOIL SAMPLE ANALYTICAL SUMMARY
11031 Shoemaker Street
11031 Shoemaker Street
Detroit, Wayne County, Michigan

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
2/10/2022	CJB	CJB	DTMB0576

TABLES



Michigan Department of Environmental Quality Analytical Testing Report
Work Order:
Report Date:
Client:
Attention:
Project Name: SWET21- WARREN-11031 Shoemaker Street
Project Number:

Sample Number	Sample ID	Sample Depth	Target Detection Limit (TDL)	Drinking Water Protection Criteria (DWPC)	Groundwater Protection Criteria (GWPC)	Soil Surface Water Pollution to Indoor Air Inhalation Criteria (SWPIC)	Direct Contact Criteria (DCC)	A06456-001 SB-01 (10H)	A06456-002 SB-02 (10H)	A06456-003 SB-03 (9H)	A06456-004 SB-04 (9H)	A06456-005 SB-05 (9H)	A06456-006 SB-06 (15H)	A06456-007 SB-07 (15H)	A06456-008 SB-11 (15H)	A06456-009 SB-13 (15H)	A06456-010 DUP-1	A06456-011 SB-12 (15H)	A06456-012 SB-13 (15H)	A06456-013 SB-14 (9H)	A06456-014 SB-15 (15H)
Date Collected	Date Received	Depth	Units	Method	Organics Volatiles			01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	
Acetone (I)	ug/kg	8260	15,000	34,000	250,000,000	23,000,000	<1,000	<100,000	<1,000	<100,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	
Acetonitrile	ug/kg	8260	2,800	260,000	4,800,000	4,300,000															
Acetophenone	ug/kg	8260	30,000	ID	120,000,000	47,000,000															
Acrolein (I)	ug/kg	8260	2,400	NA	410	3,600,000															
Acrylamide	ug/kg	8260	10	200	NLV	1,900															
Acrylonitrile (I)	ug/kg	8260	100	100	6,600	16,000	<190	<41,000	<210	<41,000	<210	<170	<170	<170	<170	<180	<170	<190	<220	<200	
n-Alkyl methyl ether (TAME)	ug/kg	8260	3,900	NA	58,000	29,000,000															
Benzene (I)	ug/kg	8260	100	4,000	1,600	180,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<50	<54	<50	
Benzyl chloride	ug/kg	8260	150	NA	6,300	48,000															
Bromobenzene (I)	ug/kg	8260	550	NA	310,000	540,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
Bromochloromethane	ug/kg	8260					<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
Bromodichloromethane	ug/kg	8260	1,600	ID	1,200	110,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
Bromodiform	ug/kg	8260	1,600	ID	150,000	820,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
Bromomethane	ug/kg	8260	200	100	860	320,000	<200	<41,000	<210	<41,000	<210	<200	<200	<200	<200	<200	<200	<200	<200	<200	
n-Butanol (I)	ug/kg	8260	19,000	200,000	NLV	29,000,000															
2-Butanone (MEK) (I)	ug/kg	8260	260,000	44,000	34,000,000	120,000,000	<750	<41,000	<750	<41,000	<750	<750	<750	<750	<750	<750	<750	<750	<750	<750	
n-Butyl acetate	ug/kg	8260	13,000	NA	56,000,000	17,000,000															
1-Butyl alcohol	ug/kg	8260	78,000	NA	310,000,000	120,000,000	<2,500	<100,000	<2,500	<100,000	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	
n-Butylbenzene	ug/kg	8260	1,600	ID	ID	2,500,000	<94	<21,000	<100	<20,000	<100	<86	<83	<85	<88	<84	<94	<110	180	<90	
sec-Butylbenzene	ug/kg	8260	1,600	ID	ID	2,500,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	86	<50	
tert-Butylbenzene (I)	ug/kg	8260	1,600	ID	ID	2,500,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Carbon disulfide (I,II)	ug/kg	8260	16,000	ID	76,000	7,200,000	<250	<21,000	<250	<20,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
Carbon tetrachloride	ug/kg	8260	100	760	190	96,000	<94	<21,000	<100	<20,000	<100	<86	<83	<85	<88	<84	<94	<110	<98	<90	
Chlorobenzene (I)	ug/kg	8260	2,000	500	120,000	4,300,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Chloroethane	ug/kg	8260	8,600	22,000	2,900,000	2,600,000	<250	<41,000	<250	<41,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
1-Chloroethyl vinyl ether	ug/kg	8260	ID	NA	ID	ID															
Chloroform	ug/kg	8260	1,600	7,000	7,200	1,200,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Chloromethane (I)	ug/kg	8260	5,200	ID	2,300	1,600,000	<250	<21,000	<250	<20,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
o-Chlorotoluene (I)	ug/kg	8260	3,300	ID	270,000	4,500,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Cyclohexanone	ug/kg	8260	5,200,000	NA	17,000	1,000,000,000															
Dibromochloromethane	ug/kg	8260	1,600	ID	3,900	110,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
Dibromochloropropane	ug/kg	8260	10	ID	220	4,400	<250	<10,000	<250	<10,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
Dibromomethane	ug/kg	8260	1,600	NA	ID	2,500,000	<250	<10,000	<250	<10,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
1,2-Dichlorobenzene	ug/kg	8260	14,000	280	11,000,000	19,000,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
1,3-Dichlorobenzene	ug/kg	8260	170	680	36,000	200,000	<100	<21,000	<100	<20,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
1,4-Dichlorobenzene	ug/kg	8260	1,700	360	19,000	400,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
trans-1,4-Dichloro-2-butene	ug/kg	8260																			
Dichlorodifluoromethane	ug/kg	8260	95,000	ID	900,000	52,000,000	<250	<10,000	<250	<10,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
1,1-Dichloroethane	ug/kg	8260	18,000	15,000	230,000	27,000,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
1,2-Dichloroethane (I)	ug/kg	8260	100	7,200	2,100	91,000	<94	<21,000	<100	<20,000	<100	<86	<83	<85	<88	<84	<94	<110	<98	<90	
cis-1,2-Dichloroethylene	ug/kg	8260	1,400	12,000	22,000	2,500,000	20,000	24,000	2,900	33,000	77,000	<50	<50	<50	600	<50	<50	<54	<50	<50	
trans-1,2-Dichloroethylene	ug/kg	8260	2,000	30,000	23,000	3,800,000	180	<10,000	<51	<10,000	840	<50	<50	<50	54	<50	<50	<54	<50	<50	
1,1-Dichloroethylene (I)	ug/kg	8260	140	2,600	62	200,000	<50	<10,000	<51	<10,000	86	<50	<50	<50	<50	<50	<50	<54	<50	<50	
1,2-Dichloropropane (I)	ug/kg	8260	100	4,600	4,000	140,000	<94	<21,000	<100	<20,000	<100	<86	<83	<85	<88	<84	<94	<110	<98	<90	
1,3-Dichloropropane	ug/kg	8260	170	180	1,000	10,000															
cis-1,3-Dichloropropylene	ug/kg	8260					<94	<21,000	<100	<20,000	<100	<86	<83	<85	<88	<84	<94	<110	<98	<90	
trans-1,3-Dichloropropylene	ug/kg	8260					<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Diethyl ether	ug/kg	8260	200	ID	28,000,000	110,000,000	<200	<10,000	<200	<10,000	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	
Dibromopropyl ether	ug/kg	8260	600	ID	670,000	920,000	<100	<10,000	<100	<10,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
1,4-Dioxane (I)	ug/kg	8260	1,700	5,600	NLV	530,000															
Epichlorohydrin (I)	ug/kg	8260	100	NA	64,000	8,900															
Ethanol (I)	ug/kg	8260	38,000,000	ID	NLV	1,000,000,000															
Ethylbenzene (I)	ug/kg	8260	1,500	360	87,000	22,000,000	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Ethylene dibromide	ug/kg	8260	20	110	670	92	<50	<10,000	<51	<10,000	<52	<50	<50	<50	<50	<50	<50	<54	<50	<50	
Ethyl tert-butyl ether (ETBE)	ug/kg	8260	90,000	ID	940,000	32,000	<250	<10,000	<250	<10,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	
Diisopropyl ether	ug/kg	8260	430	1,800	430	1,800	<250	<10,000	<250	<10,000	<250</										

Michigan Department of Environmental Quality Analytical Testing Report

Work Order:
Report Date:
Client:
Attention:
Project Name: SWET21- WARREN-11031 Shoemaker Street
Project Number:

Sample Number								A06456-001	A06456-002	A06456-003	A06456-004	A06456-005	A06456-006	A06456-007	A06456-008	A06456-009	A06456-010	A06456-011	A06456-012	A06456-013	A06456-014
Sample ID								SB-01 (10th)	SB-02 (10th)	SB-03 (9th)	SB-04 (9th)	SB-05 (9th)	SB-06 (15th)	SB-07 (15th)	SB-08 (15th)	SB-11 (15th)	DUP-1	SB-12 (15th)	SB-13 (15th)	SB-14 (15th)	SB-15 (15th)
Sample Depth								01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/12/22	01/14/22	01/14/22	01/14/22	01/14/22
Date Received																					
Analyte	Units	Method	Organic Semivolatiles																		
Aceonaphthene	ug/kg	8270	330	300,000	8,700	150,000,000	41,000,000		<330			<330				<330	<330	<330		<330	<330
Aceonaphthylene	ug/kg	8270	330	5,900	ID	1,600,000	1,600,000		<330			<330				<330	<330	<330		<330	<330
Anthracene	ug/kg	8270	330	41,000	ID	1,000,000,000	230,000,000		<330			<330				<330	<330	<330		<330	<330
Benzo(a)anthracene (Q)	ug/kg	8270	330	NLL	NLL	NLV	20,000		<330			<330				<330	<330	<330		<330	<330
Benzo(a)pyrene (Q)	ug/kg	8270	330	NLL	NLL	NLV	2,000		<330			<330				<330	<330	<330		<330	<330
Benzo(b)fluoranthene (Q)	ug/kg	8270	330	NLL	NLL	ID	20,000		<330			<330				<330	<330	<330		<330	<330
Benzo(g,h,i)perylene	ug/kg	8270	330	NLL	NLL	NLV	2,500,000		<330			<330				<330	<330	<330		<330	<330
Benzo(k)fluoranthene (Q)	ug/kg	8270	330	NLL	NLL	NLV	200,000		<330			<330				<330	<330	<330		<330	<330
Chrysene (Q)	ug/kg	8270	330	NLL	NLL	ID	2,000,000		<330			<330				<330	<330	<330		<330	380
Dibenzof(a,h)anthracene (Q)	ug/kg	8270	330	NLL	NLL	NLV	2,000		<330			<330				<330	<330	<330		<330	<330
Fluoranthene	ug/kg	8270	330	730,000	5,500	1,000,000,000	46,000,000		<330			<330				<330	<330	<330		<330	890
Fluorene	ug/kg	8270	330	390,000	5,300	580,000,000	27,000,000		<330			<330				<330	<330	<330		<330	890
Indeno(1,2,3-cd)pyrene (Q)	ug/kg	8270	330	NLL	NLL	NLV	20,000		<330			<330				<330	<330	<330		<330	<330
2-Methylnaphthalene	ug/kg	8270	330	57,000	4,200	2,700,000	8,100,000		<330		750	700				<330	<330	<330		<330	810
Naphthalene	ug/kg	8270	330	35,000	730	250,000	16,000,000		<330		490	<330				<330	<330	<330		<330	<330
Phenanthrene	ug/kg	8270	330	56,000	2,100	2,300,000	1,600,000		<330			<330				<330	<330	<330		<330	4,200
Pyrene	ug/kg	8270	330	480,000	ID	1,000,000,000	29,000,000		<330			<330				<330	<330	<330		<330	730

Grey indicates contaminant was detected.
Yellow indicates contaminant exceeds DWPC.
Blue indicates contaminant exceeds GSPPC.
Green indicates contaminant exceeds both DWPC and GSPPC.
Orange indicates contaminant exceeds one or more criteria, SVIC and/or DCC.
"ID" means insufficient data to develop criterion.
"NA" means a criterion or value is not available or, in the case of background, not applicable.
"NLL" means hazardous substance is not likely to leach under most soil conditions.
"NLV" means hazardous substance is not likely to volatilize under most conditions.
Letters in criteria columns refer to Footnotes of the Criteria/RSUs tables.

ATTACHMENT A

TRIAGE SITE INVESTIGATION LIMITATIONS



TRIAGE SITE INVESTIGATION LIMITATIONS

This Limited Site Investigation Report and related documentation are Site-specific, which means they pertain to the environmental conditions of the subject Site only. This investigation is bound by the authorized project scope of work under this contract.

The Mannik & Smith Group, Inc. (MSG) performed its services associated with the Limited Site Investigation in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. In preparing this report, MSG relied upon Site background information provided by the EGLE State Project Manager who was responsible for determining geophysical survey boundaries and selecting soil boring locations.

Geophysical and drilling services have inherent limitations associated with the equipment, subsurface conditions, and accessibility. MSG makes no representation or warranty regarding the accuracy or completeness of this information gathered through outside sources or subcontracted services. No warranty, guarantee, or certification of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by rendering these environmental consulting services or by furnishing this written report.

Environmental conditions and regulations are subject to constant change and reinterpretation. One should not assume that any on-Site conditions and/or regulatory statutes or rules will remain constant after MSG has completed the scope of work for this project. Furthermore, because the facts stated in these reports are subject to professional interpretation, differing conclusions could be reached by other environmental professionals.

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

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

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

ATTACHMENT B

GEOPHYSICAL INVESTIGATION REPORT





November 29, 2021

Mr. Ari McKeever, Project Manager
Michigan Department of Environment, Great Lakes, and Energy
Remediation and Redevelopment Division
Warren District Office
27700 Donald Court
Warren, Michigan, 48092-2793

Re: Expanded Triage Program – Geophysical Investigation Report
11031 Shoemaker Street Site
11031 Shoemaker Street
Detroit, Wayne County, Michigan
Facility ID: 00041622

Dear Mr. McKeever,

The Mannik & Smith Group, Inc. (MSG) has been retained by the Michigan Department of Technology, Management and Budget (DTMB) to provide limited site investigation services on behalf of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) under the 2019 Environmental Expanded Triage Program (ETP). The purpose of the ETP is to rapidly investigate current site conditions and assess associated environmental risk for "Open" Leaking Underground Storage Tank (LUST) sites regulated under Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, Michigan Public Act 451, 1994, as amended (Part 213).

This letter report summarizes MSG's geophysical investigation activities conducted at the 11031 Shoemaker Street site located at 11031 Shoemaker Street in Detroit, Wayne County, Michigan (see *Figure 1, Site Location Map*). The objectives of the geophysical survey were to identify subsurface features that may be associated with historic or current petroleum system(s), as well as provide clearance for advancement of subsequent ETP investigative soil borings. The activities described herein were performed in general accordance with MSG's 2019 Environmental Expanded Triage Work Plan for the EGLE Warren District dated July 8, 2019. The findings of this report are valid as of the report date, subject to the limitations presented in *Attachment A, Triage Site Geophysical Investigation Limitations*.

Methodologies: Geophysical surveys were conducted using the electromagnetic (EM) and ground penetrating radar (GPR) methodologies. The EM instruments respond to buried metal and cables by inducing an electromagnetic signal into the ground and then measuring the strength of a secondary field produced by the metal target(s). GPR operates by transmitting electromagnetic impulses (radio waves) into the subsurface and measuring the strength and time for a reflected signal to return to the receiving antenna. GPR signals reflect back toward the ground surface depending on the contrast in the electrical properties (dielectric constant) of subsurface materials. The contrast in materials' dielectric constants is typically greatest between soil and metals, but can also be great enough between soils and nonmetallic materials (including between differing soil types) to have a measurable GPR signal response. The geophysical survey area for the subject site was selected by the State (EGLE) Project Manager (SPM).

When readily available, MSG also reviewed historical site plans, prior investigation report figures, and utility maps. MSG may have also discussed historic site use and utility information with the site owners/occupants. Prior to conducting the geophysical survey, MSG contacted the MISS DIG utility locating system and submitted a subsurface utility staking request for the site. Please be advised that no subsurface utility markings were observed when the geophysical surveys were conducted on October 22, 2021. MSG will submit another MISS DIG staking request at least 3 days prior to commencement of drilling and sampling at the site.

On October 22, 2021, MSG conducted geophysical surveys at the site within an area defined by Mr. Ari McKeever, SPM. MSG conducted an EM survey using a Fisher TW-6 Pipe and Cable Locator and/or a Vivax Metrotech vLocPro2 utility locator. MSG also conducted a GPR survey using a Geophysical Survey Systems, Inc. SIR-4000 GPR Data Acquisition System equipped with a 350 Megahertz (MHz) hyperstacking antenna mounted on a wheeled cart. The EM and GPR surveys were generally conducted by walking in a gridded pattern with a grid spacing of 5-feet or less. The locations of observed geophysical anomalies were marked in the field, typically using spray paint unless prohibited by the site owner/operator. The locations of the marked geophysical anomalies were recorded with a sub-centimeter accuracy capability global navigation satellite system (GNSS) unit. GPR penetration depth generally ranges from one (1) to six (6) feet below ground level (bgl).

MSG identified the following anomalous subsurface geophysical features at the site.

- Linear anomalies
- Two area anomalies

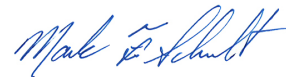
Prominent site surface features including signs, monitoring wells, catch basins, utility meters, etc. were also noted and included with the GNSS survey when present. The approximate locations of the surface and subsurface features (and GPR anomaly depth estimates) are depicted on Figure 2. Additionally, these features are described in *Attachment B, Triage Geophysical Survey Field Report*.

MSG appreciates the opportunity to provide these professional services to the DTMB and EGLE. We look forward to continued opportunities to serve the State of Michigan.

Sincerely,



Dave Adler, CPG
MSG Project Manager

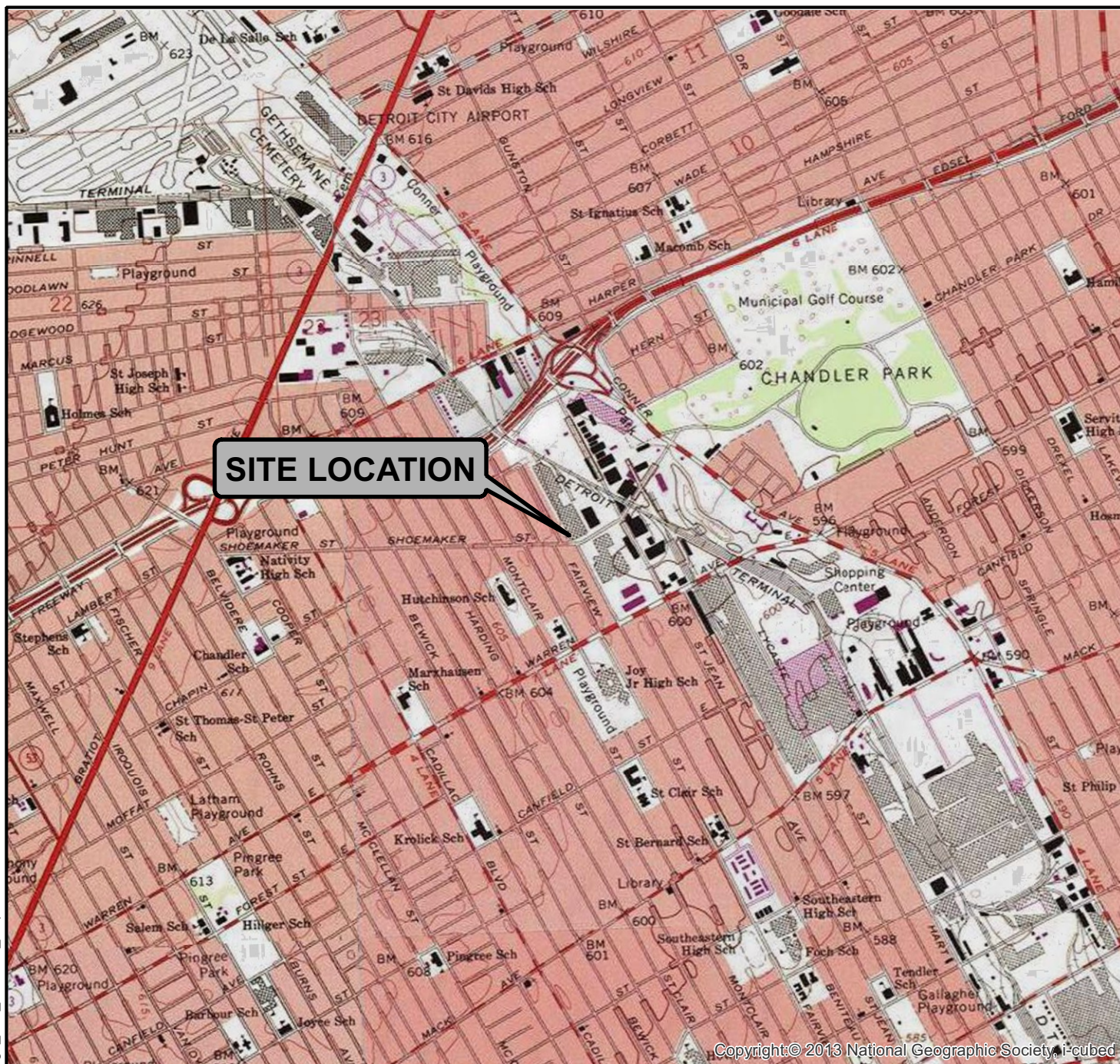


Mark Schult, CPG
MSG Group Manager

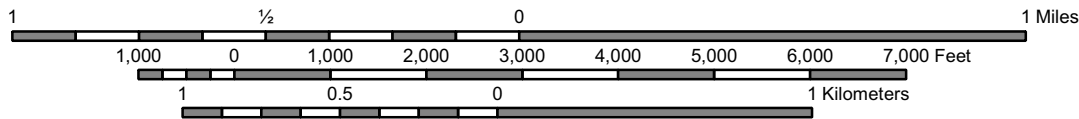
cc. Mr. Lee Gosson, EGLE Program Manager

FIGURES

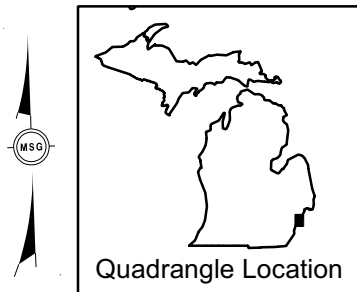




SCALE 1:24000



Contour Interval 10 Feet
National Geodetic Vertical Datum of 1929



Quadrangle Location

NOTE: Map adapted from National Geographic TOPO!
seamless, scanned images of USGS Topographic Maps,
Belle Isle, Detroit, Grosse Pointe and Highland Park, MI (7.5 minute series).

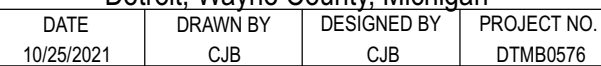
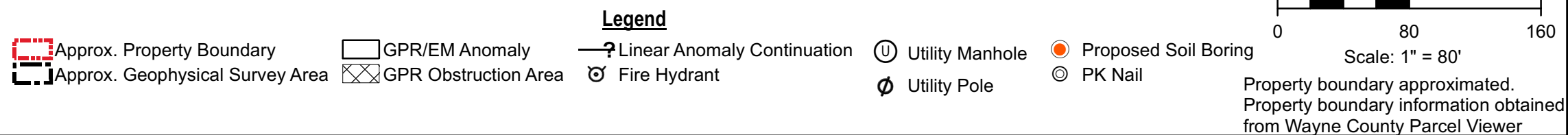


FIGURE 1

SITE LOCATION MAP

11031 Shoemaker Street
11031 Shoemaker Street
Detroit, Wayne County, MI

DATE	DRAWN BY	DESIGNED BY	PROJECT NO.
10/19/2021	CJB	CJB	DTMB0576



ATTACHMENT A

TRIAGE SITE GEOPHYSICAL INVESTIGATION LIMITATIONS



TRIAGE SITE GEOPHYSICAL INVESTIGATION LIMITATIONS

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The Mannik & Smith Group, Inc. (MSG) performed its services associated with the Limited Site Investigation in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. In preparing this report, MSG relied upon site background information provided by the EGLE State Project Manager who was responsible for determining geophysical survey location(s) and boundaries. Geophysical services have inherent limitations associated with the equipment, surface and subsurface conditions, and accessibility. MSG makes no representation or warranty regarding the accuracy or completeness of this information gathered through outside sources or subcontracted services.

No warranty, guarantee, or certification of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by rendering these environmental consulting services or by furnishing this written report. Environmental conditions and regulations are subject to constant change and reinterpretation. One should not assume that any onsite conditions and/or regulatory statutes or rules will remain constant after MSG has completed the scope of work for this project. Furthermore, because the facts stated in this report are subject to professional interpretation, differing conclusions could be reached by other environmental professionals.

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

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

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

ATTACHMENT B

TRIAGE GEOPHYSICAL SURVEY FIELD REPORT





TRIAGE GEOPHYSICAL SURVEY FIELD REPORT

Client: Michigan Department of Environmental Quality (MDEQ/MDTMB) MSG Personnel: 1
Project: 11031 Shoemaker Street MSG Job No.: DTMB0576

Date: 10/22/21 Day: Friday Temperature: 45 - a.m. 60 °F p.m.
MSG CQA Personnel: PNH, JG Cloud Cover: 0 - a.m. 0 p.m.
Client Personnel: _____ Precipitation: _____ - a.m. _____ p.m.
MSG Hours On-Site: 6.25

Contractors Information

Contractor: _____ No. Men and Type: _____ Equipment Type: _____
MSG _____ 1 Operator _____ SIR 4000 GPR Unit Pipe & Utility Locator,
Trimble Geo7x GPS

Summary of Work Performed / Field Notes:

Some debris piles on site also some overgrowth also prevented GPR. Located multiple linear anomalies. Also located multiple area anomalies that may be basements or loadbearing. Found two openings in the middle of the site that led to a basement.

Pre-Survey Instructions

- ☐ Access Requirements / Notifications / Contacts _____
☐ Survey Restrictions (State Project Manager / Owner / Time / Field Marking) _____

Site Review (Only Check if Present)

- ☒ Structures present at indicated locations
☐ Business type: factory ☐ Active ☒ Inactive
☒ Pavement / surface cover areas
Utilities Marked On-Site (MISSDIG):
☐ Electric / ☐ Fiber-Optic (Telephone) / ☐ Gas / ☐ Storm / ☐ Sanitary
/ ☐ Water / ☐ Other _____

Site Plan

- ☐ Fuel System (UST / Fill Ports / Vent Piping)
☐ Monitor Wells
☒ Obstacles (Debris Piles / Dumpsters / Equipment)
☐ Surface Cover (Gravel / Asphalt / Cement)

Geophysical Survey

GPS Survey

- ☒ Layout survey area in accordance with SPM designated area (plus buffer if appropriate)
☒ Conduct EM Survey – Mark anomalies on ground
☒ Conduct GPR Survey – Mark anomalies on ground
☒ Indicate Areas of GPR signal interference or lack of coverage
☒ Note GPR survey methodology as recorded grid (preferred) with file name or TerraSearch walk over

- ☒ GPR Survey Boundary
☒ Set PK Nails (2-3 nails)
☒ Survey Benchmarks visible on aerial photo (at least 3 items)
☒ Survey Site Features (e.g. buildings, utility structures, etc.)
☒ Survey MISSDIG Markings
☒ Survey Geophysical Anomalies

Unit	File Name	Mode	Antenna	Line or Area Description
3	DTMB0576	20	350 mhz	

Results Map

Photos

Office

- ☒ Anomalies (GPR / EM) – description and approximate depth
Typical Descriptions:
-Suspect UST at ~X ft bgs;
-Linear Anomaly, Suspect Product Lines at ~X ft bgs;
-Linear Anomaly, Suspect Utility at ~X ft bgs;
-Disturbed Soil to X ft bgs;

- ☒ Overall Site- 4 corners
☒ N ☒ S ☒ E ☒ W
☒ PK Nails
☒ Site Features
☒ MISSDIG Markings
☒ Marked Anomalies
☒ Photolog (on back)

- ☒ Download photographs
☒ Download GPR Data
☒ Download GPS Data
☒ Legible Field Report and Survey Results Sketch
(Scan then promptly return to Project Coordinator)

Photo #	Photo Description	Direction (N/S/E/W)
1	Basement	S
2	Basement	S
3	linear anomalies	E
4	linear anomalies / over growth	S
5	linear anomalies / overgrowth	S
6	linear anomalies	E
7	linear anomalies	E
8	Pk-3	S
9	linear anomaly	S
10	debris pile	SW
11	debris pile	SW
12	area anomaly / linear anomaly / water	S
13	linear anomalies	SW
14	Basement opening	W
15	linear anomalies	

16 Pk-2

ATTACHMENT C

DAILY FIELD REPORTS





DAILY FIELD REPORT

Client: MDTMB

Project: 11031 Shoemaker Street Detroit, MI

Project No: DTMB0576

Date: 1/12/22

Report No.: 1

Day: Wednesday

MSG Personnel: Rabia Azeem
James F

Project Manager: Ari McKeever

MSG Hours On-Site: 6.5 hrs
8 - 230

Temp: _____ (AM) 29° (PM) 32°

Weather: _____ (AM) cloudy (PM) cloudy

Precip: _____ (AM) 0 (PM) 0

Work Performed or in Progress/Comments/Other Observations:

- MSG calibrated PID with zero gas and 100 ppm isobutylene gas prior to field work
- MSG advanced 8 MC/DS soil borings from ~ 0 ' to 1.5 ' BGS.
- MSG collected 8 soil samples from select soil borings and depths.
- MSG collected 0 saturated soil samples.
- MSG collected 0 water samples from select borings.
- MSG collected 1 duplicate soil and 0 duplicate water samples.
- MSG collected 0 soil vapor samples at 0 depth.
- GPS coordinates were collected at each soil boring location and select landmarks.
- All soil borings were backfilled with generated cuttings and hydrated bentonite chips.
- Site conditions were restored to original and/or better condition.

NOTES (Ex. Was the SPM on site? Complications? Access issues?):

CONTRACTORS INFORMATION

Contractor:	Personnel & Type:	Equipment Type & Hours:
MSG	Geoprobe Operator	Geoprobe 6622 DT
MSG	Geologist	
Subcontractor:	Personnel & Type:	Equipment Type & Hours:



DAILY FIELD REPORT

Client: MDTMB

Date: 1/13/22

Project: 11031 Shoemaker Street Detroit, MI

Report No.: 2

Project No: DTMB0576

Day: Thursday

MSG Personnel: Rabia Azam

Project Manager: Ari McKeever

MSG Hours On-Site: 4 hours
830 - 1230

Temp: _____ (AM) 28° (PM) 37°

Weather: _____ (AM) cloudy (PM) cloudy

Precip: _____ (AM) 0 (PM) 0

Work Performed or in Progress/Comments/Other Observations:

- MSG calibrated PID with zero gas and 100 ppm isobutylene gas prior to field work
- MSG advanced 1 MC/DS soil borings from ~ 0 ' to 15 ' BGS.
- MSG collected 1 soil samples from select soil borings and depths.
- MSG collected 0 saturated soil samples.
- MSG collected 0 water samples from select borings.
- MSG collected 0 duplicate soil and 0 duplicate water samples.
- MSG collected 0 soil vapor samples at 0 depth.
- GPS coordinates were collected at each soil boring location and select landmarks.
- All soil borings were backfilled with generated cuttings and hydrated bentonite chips.
- Site conditions were restored to original and/or better condition.

NOTES (Ex. Was the SPM on site? Complications? Access issues?):

- SB-09 and SB-10 unable to be sampled due to hitting ~~concrete~~ below refusal
- Drill rig broke due to hitting lots of concrete

CONTRACTORS INFORMATION

Contractor:	Personnel & Type:	Equipment Type & Hours:
MSG	Geoprobe Operator	Geoprobe 6622 DT
MSG	Geologist	
Subcontractor:	Personnel & Type:	Equipment Type & Hours:



DAILY FIELD REPORT

Client: MDTMB

Date: 1/14/22

Project: 11031 Shoemaker Street Detroit, MI

Report No.: 3

Day: Friday

Project No: DTMB0576

MSG Personnel: Rebeka Azam
James Finkel

Project Manager: Art McKeever

MSG Hours On-Site: 3 Hours
8:30 -

Temp:	(AM) <u>30°</u>	(PM) <u>34°</u>
Weather:	(AM) <u>cloudy</u>	(PM) <u>cloudy</u>
Precip:	(AM) <u>0</u>	(PM) <u>0</u>

Work Performed or in Progress/Comments/Other Observations:

- MSG calibrated PID with zero gas and 100 ppm isobutylene gas prior to field work
- MSG advanced 4 MC/DS soil borings from 0 ' to 15 ' BGS.
- MSG collected 4 soil samples from select soil borings and depths.
- MSG collected 0 saturated soil samples.
- MSG collected 0 water samples from select borings.
- MSG collected 0 duplicate soil and 0 duplicate water samples.
- MSG collected 0 soil vapor samples at 0 depth.
- GPS coordinates were collected at each soil boring location and select landmarks.
- All soil borings were backfilled with generated cuttings and hydrated bentonite chips.
- Site conditions were restored to original and/or better condition.

NOTES (Ex. Was the SPM on site? Complications? Access issues?):

CONTRACTORS INFORMATION

Contractor:	Personnel & Type:	Equipment Type & Hours:
MSG	Geoprobe Operator	Geoprobe 6622 DT
MSG	Geologist	
Subcontractor:	Personnel & Type:	Equipment Type & Hours:

CONTRACT ITEMS AS CONSTRUCTED					
Item #	Description	No. Borings	Qty.	Unit	Remarks/Description
4i	Geoprobe Borings (0-20' bgs)	4	15	Feet	
4ii	Geoprobe Borings (20-40' bgs)			Feet	
4a	Geoprobe Soil Samples	N/A	4	Each	
4b	Geoprobe Water Samples	N/A		Each	
5i	H.S.A Borings (0-20' bgs)			Feet	
5ii	H.S.A. Borings (20-40' bgs)			Feet	
5a	H.S.A. Soil Samples	N/A		Each	
5b	H.S.A. Water Samples	N/A		Each	
6	Saturated Soil Sample	N/A		Each	

ATTACHMENT D

SOIL BORING LOGS



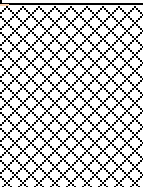
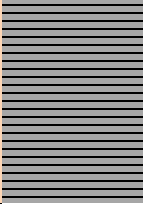
 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-01			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/12/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	62.5' S, 9.75' of PK-1			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.5			
			Brown sandy silt, trace gravel, dry	0.5 1 2 2.5			0.0 ppm @ 1' 0.0 ppm @ 2'
			Brown-Brown/gray mottled silty clay, trace sand, trace gravel, dry-moist	2.5 3 4 5 6 7 8 9 10 11 12 13 14 15	Soil	SB-01 (10 ft)	0.0 ppm @ 3' 0.0 ppm @ 4' 0.0 ppm @ 5' 0.0 ppm @ 6' 0.0 ppm @ 7' 0.1 ppm @ 8' 0.8 ppm @ 9' 2.5 ppm @ 10' 0.9 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 22.689"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 18.099"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208842.4996		
Screen Type: NA					Easting: 747739.2292		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes:					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI DTMB0576	BORING/WELL:	SB-02	
	Address	11031 Shoemaker Street Detroit, Michigan			
	County:	Wayne	Date:	1/12/22	
	Township:		Driller:	JF	
Town:	1S	Range:	12E	Sec. #:	
Location	61.2' S, 18.7' E of PK-1		Logged by	RA	
			Drill Method:	Direct Push	
			Total Depth:	15 ft. bgl	

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.5			
			Brown sandy silt, trace gravel, dry	0.5 1 2 3 4 5 6 7			0.0 ppm @ 2' 0.0 ppm @ 3' 0.0 ppm @ 4' 0.0 ppm @ 5' 1.5 ppm @ 6'
			Brown silty clay, trace sand, trace gravel, moist	7 8 9 10 11 12 13 14 15	Soil	SB-02 (10 ft)	0.6 ppm @ 7' 0.7 ppm @ 8' 1.0 ppm @ 9' 5.3 ppm @ 10' 2.3 ppm @ 11' 0.2 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 22.834"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 17.765"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208847.2601		
Screen Type: NA					Easting: 747746.7029		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Oil in Soil field test negative at 10 ft bgl					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site 11031 Shoemaker Street Detroit MI 48183 DTMB0576	BORING/WELL: SB-03
	Address 11031 Shoemaker Street Detroit, Michigan	
	County: Wayne	Date: 1/12/22
	Township:	Driller: JF
Town: 1S Range: 12E Sec. #:	Logged by: RA	Drill Method: Direct Push
Location: 56.3 E, 1.4' N of Pk-2	Total Depth: 15 ft. bgl	

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 1 2 3 4 5			
			Brown sandy silt, trace gravel, dry	5 6 7 8 9 10	Soil	SB-03 (9 ft)	0.0 ppm @ 5' 0.0 ppm @ 6' 0.0 ppm @ 7' 0.0 ppm @ 8' 2.6 ppm @ 9'
			Gray silty clay, trace sand, trace gravel, moist	10 11 12 13 14 15			0.4 ppm @ 10' 0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 23.549"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 17.695"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208869.3570		
Screen Type: NA					Easting: 747747.5130		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes:					Sheet # 1 of 1		

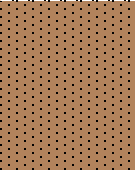
 TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-04	
	Address	11031 Shoemaker Street Detroit, Michigan			
	County:	Wayne	Date:	1/12/22	
	Township:		Driller:	JF	
Town:	1S	Range:	12E	Sec. #:	
Location	3.2' W of PK-1			Logged by	RA
			Drill Method:	Direct Push	
			Total Depth:	15 ft. bgl	

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.5			
			Brown silty sand, trace gravel, dry	0.5 1 2 3 4 4.5			0.0 ppm @ 1' 0.0 ppm @ 2' 0.0 ppm @ 3' 0.0 ppm @ 4'
			Brown silty clay, trace sand, trace gravel, moist	4.5 5 6 7 8 9 10 11	Soil	SB-04 (9 ft)	0.0 ppm @ 5' 0.0 ppm @ 6' 0.0 ppm @ 7' 1.8 ppm @ 8' 15.7 ppm @ 9' 4.3 ppm @ 10'
			Gray silty clay, trace sand, trace gravel, moist	11 12 13 14 15			7.6 ppm @ 11' 3.2 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 23.238"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 18.404"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208859.1871		
Screen Type: NA					Easting: 747731.6385		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Oil In Soil Field test negative at 9 ft bgl					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-05			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/12/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	33.7' N, 28.3' W of PK-1			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.5			
			Brown sandy silt, trace gravel, dry	0.5 1 2 3 4			0.0 ppm @ 1' 0.0 ppm @ 2' 0.0 ppm @ 3' 0.0 ppm @ 4'
			Brown silty clay, trace sand, trace gravel, moist	4 5 6 7 8 9 10	Soil	SB-05 (9 ft)	0.0 ppm @ 5' 0.9 ppm @ 7' 3.3 ppm @ 8' 26.7 ppm @ 9'
			Gray silty clay, trace sand, trace gravel, moist	10 11 12 13 14 15			5.8 ppm @ 10' 6.0 ppm @ 11' 4.3 ppm @ 12' 0.2 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 23.480"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 18.916"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208866.2318		
Screen Type: NA					Easting: 747719.6722		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes:					Sheet # 1 of 1		

	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576 t	BORING/WELL: SB-06				
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/12/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	71' N, 20.7' E of PK-1			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.5			
			Brown sand, trace gravel, dry	0.5 1 2 3 4 5			0.0 ppm @ 3' 0.0 ppm @ 4'
			Brown sandy silt, trace gravel, dry	5 6 7			0.0 ppm @ 5' 0.0 ppm @ 6'
			Brown silty clay, trace sand, trace gravel, moist	7 8 9 10 11 12 13 14 15	Soil	SB-06 (15 ft)	0.0 ppm @ 7' 0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10' 0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 23.964"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 18.480"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208881.5040		
Screen Type: NA					Easting: 747729.0988		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes:					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-07			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/12/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	58' N, 62.6' E of PK-1			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.5			
			Brown silty sand, trace gravel, dry	0.5 1 2 3 4			0.0 ppm @ 2' 0.0 ppm @ 3'
			Brown sandy silt, trace gravel, dry	4 5			0.0 ppm @ 4'
			Brown silty clay, trace sand, trace gravel, moist	5 6 7 8 9 10 11 12 13 14 15	Soil	SB-07 (15 ft)	0.0 ppm @ 5' 0.0 ppm @ 6' 0.0 ppm @ 7' 0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10'
							0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 24.097"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 17.951"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208886.0515		
Screen Type: NA					Easting: 747741.0520		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes:					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576		BORING/WELL:	SB-08
	Address	11031 Shoemaker Street Detroit, Michigan			
	County:	Wayne		Date:	1/12/22
	Township:			Driller:	JF
	Town:	1S	Range:	12E	Sec. #:
	Location	144.3' N, 20.25' W of PK-1		Logged by	RA
				Drill Method:	Direct Push
				Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 1			
			Brown sandy silt, trace gravel, dry	1 2 3 4 5 6 7			0.0 ppm @ 4' 0.0 ppm @ 5'
			Brown silty clay, trace sand, trace gravel, moist	7 8 9 10 11 12 13 14 15	Soil Soil	SB-08 (15 ft) DUP-1	0.0 ppm @ 7' 0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10' 0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 24.500"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 19.429"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208897.2573		
Screen Type: NA					Easting: 747706.8341		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Duplicate soil sample DUP-1 collected at 15 ft bgl					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL: SB-09d				
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/13/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	SB-09a: 93.08' S, 38.16' E of PK-2 SB-09b: 2' W of SB-09a SB-09c: 11.75' W, 11.6' S of SB-09a SB-09d: 24.5' W, 7.2' N of SB-09a			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Constant	Annulus Seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Concrete	0 1			
			TD (Refusal and void) at 1 ft bgl, No sample recovery	1			
Elev. Datum: NGVD					Lat: N42° 23' 24.619"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 18.417"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208901.7320		
Screen Type: NA					Easting: 747729.8271		
Annulus sealed by: 0-1 ft. Soil Cuttings							
Notes: Offset 3 times, 2 Refusals and 1 Void					Sheet # 1 of 1		

 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-10d			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/13/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	SB-10a: 6.3' N, 18.9' E of PK-2 SB-10b: 3.3' W of SB-10a SB-10c: 4.4' N of SB-10a SB-10d: 7' N, 5.25' W of SB-10a			Drill Method:	Direct Push		
			Total Depth:	15 ft. bgl			

Well Constant	Annulus Seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Concrete	0 1			
			TD (Refusal and void) at 1 ft, No sample recovery	1			
Elev. Datum: NGVD					Lat: N42° 23' 25.538"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 18.997"		
GW Encountered: Not Encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208929.6055		
Screen Type: NA					Easting: 747715.5524		
Annulus sealed by: 0-1 ft. Soil Cuttings							
Notes: Offset 3 times, 2 Refusals and 1 Void					Sheet # 1 of 1		

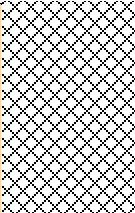
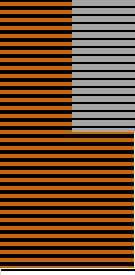
 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-11			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/13/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	32' W of PK-2			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Brown sand, trace gravel, dry (fill)	0 1			
			Base aggregate	1 2			
			Slag	2 3 4 4.5			0.0 ppm @ 2' 0.0 ppm @ 3' 0.0 ppm @ 4'
			Brown sandy silt, trace gravel, dry	4.5 5			0.0 ppm @ 5'
			Gray silty clay, trace sand, moist, Becomes wet at approx.9.8 ft bgl – sheen observed at 10 ft bgl and at 15 feet bgl	5 6 7 8 9 10 11 12 13 14 15			0.0 ppm @ 7' 0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10'
					Soil	SB-11 (15 ft)	0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 25.218"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 19.454"		
GW Encountered: Approx.9.8 ft bgl Well Screen Interval: 10-15 ft					Coord. Sys: Michigan Geo Ref		
Casing Type: PVC					Northing: 208919.3579		
Screen Type: 5 foot long PVC temporary monitoring well					Easting: 747705.4675		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Oil In Soil Field test negative at 15 ft bgl, Set temp well with screen from 10-15 ft bgl on 1/13/22. Insufficient groundwater for sampling on 1/14/22.					Sheet # 1 of 1		

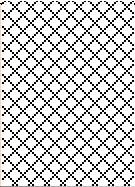
 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-12			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/14/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	20.6' S, 64' W of PK-3			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 0.75			
			Slag	0.75 1 1.25			
			Brown sandy silt, trace sand, trace gravel, dry	1.25 2 3 4 5 6 7			0.0 ppm @ 4' 0.0 ppm @ 5'
			Brown silty clay, trace sand, trace gravel, moist	7 8 9 10 11 12 13 14 15	Soil	SB-12 (15 ft)	0.0 ppm @ 7' 0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10' 0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 25.604"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 20.129"		
GW Encountered: Not encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208930.7157		
Screen Type: NA					Easting: 747689.6160		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes:					Sheet # 1 of 1		

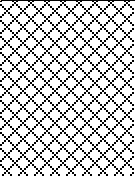
 Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-13			
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/14/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	68.1' W, 34.6" N of PK-3			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 1 2 2 3 4 4.5			
			Brown sandy silt, trace gravel, dry	4.5 5 6 7 8			0.0 ppm @ 5' 0.0 ppm @ 7'
			Brown-Brown/gray mottled silty clay, trace gravel, trace sand, moist	8 9 10 11 12 13 14 15			0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10' 0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.		Soil	SB-13 (15 ft)	
Elev. Datum: NGVD					Lat: N42° 23' 26.112"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 20.552"		
GW Encountered: Not encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208946.0203		
Screen Type: NA					Easting: 747679.3742		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Oil In Soil field test negative at 15 ft bgl					Sheet # 1 of 1		

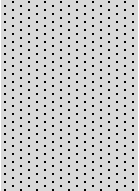
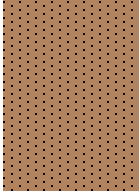
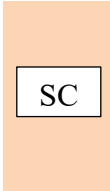
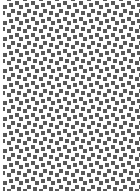
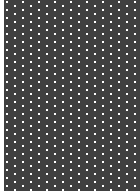
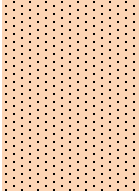
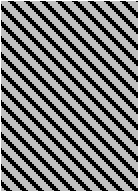
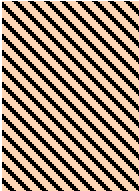
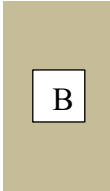
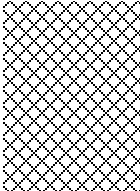
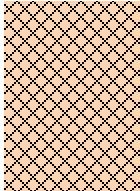
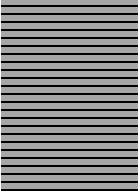
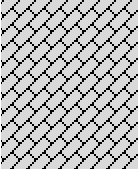
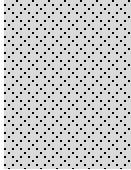
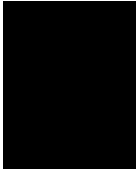
	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL: SB-14				
	Address	11031 Shoemaker Street Detroit, Michigan					
	County:	Wayne	Date:	1/14/22			
	Township:		Driller:	JF			
Town:	1S	Range:	12E	Sec. #:		Logged by	RA
Location	53.7' N, 18.4' E of PK-3			Drill Method:	Direct Push	Total Depth:	15 ft. bgl

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 1 2 2 3 4			0.0 ppm @ 3'
			Brown sandy silt, trace gravel, dry. Petroleum like odor from 4-6 ft bgl	4 5 6	Soil	SB-14 (5 ft)	0.0 ppm @ 4' 0.0 ppm @ 5'
			Brown silty clay, trace sand, trace gravel, moist	6 7 8 9 10 11 12 13 14 15			0.0 ppm @ 6' 0.0 ppm @ 7' 0.0 ppm @ 8' 0.0 ppm @ 9' 0.0 ppm @ 10' 0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 26.664"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 19.646"		
GW Encountered: Not encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208963.7877		
Screen Type: NA					Easting: 747699.4635		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Oil In Soil field test positive at 5 ft bgl.					Sheet # 1 of 1		

 TECHNICAL SKILL. CREATIVE SPIRIT.	Site	11031 Shoemaker Street Detroit MI 48213 DTMB0576	BORING/WELL:	SB-15b	
	Address	11031 Shoemaker Street Detroit, Michigan			
	County:	Wayne	Date:	1/14/22	
	Township:		Driller:	JF	
Town:	1S	Range:	12E	Sec. #:	
Location	SB-15a: 6.08' E of SB-15b SB-15b: 18. 4' E, 4.16' N of PK-3			Logged by	RA
			Drill Method:	Direct Push	
			Total Depth:	15 ft. bgl	

Well Const.	Annulus seal	Lithology	Lithologic Description	Depth bgl	Sample		Field Results PID and visual/olfactory
					Type	ID	
			Base aggregate	0 1 2 3 4 5			
			Brown silty clay, trace sand, trace gravel, moist	5 6 7 8 9 10			0.0 ppm @ 5' 0.0 ppm @ 9'
			Brown sandy silt, trace gravel, dry	10 11			0.0 ppm @ 10'
			Brown silty clay, trace sand, trace gravel, moist	11 12 13 14 15	Soil	SB-15 (15 ft)	0.0 ppm @ 11' 0.0 ppm @ 12' 0.0 ppm @ 13' 0.0 ppm @ 14' 0.0 ppm @ 15'
			TD in Clay at 15 ft.				
Elev. Datum: NGVD					Lat: N42° 23' 26.189"		
Grd. Elev: NA T.O.C.: NA					Long: W82° 59' 19.418"		
GW Encountered: Not encountered Well Screen Interval: NA					Coord. Sys: Michigan Geo Ref		
Casing Type: NA					Northing: 208949.3171		
Screen Type: NA					Easting: 747705.2168		
Annulus sealed by: 0-15 ft. Soil Cuttings							
Notes: Encountered refusal at 1 ft bgl (SB-15a). Offset 5 ft for SB-15b.					Sheet # 1 of 1		

Patterns:

					
Sand, gray	Sand, brown	Soil collapse	Gravel	Sand, black	Sand, tan
					
Silt, gray	Silt, brown	Bentonite	Base Aggregate	Silt, black	Fill
					
Clay, gray	Clay, brown	Cement	Concrete	Clay, black	
					
Bedrock, limestone	Bedrock, sandstone	Asphalt, peat, shale	Topsoil		

ATTACHMENT E

PHOTO LOG





Facing northeast, viewing overall site.
Photo taken by Patrick Howe on 10/22/21.



Facing east, viewing marked GPR linear anomalies.
Photo taken by Patrick Howe on 10/22/21.



View of soil cores from soil boring location SB-11.
Photo taken by Rabia Azam on 1/13/22



Close up of sheen at 15 ft bgl in soil boring SB-11.
Photo taken by Rabia Azam on 1/12/22



Side view of negative dye test at soil boring location SB-14. Photo taken by Rabia Azam on 1/14/22



View of soil cores from soil boring location SB-07. Photo taken by Rabia Azam on 1/12/22

ATTACHMENT F

LABORATORY DATA REPORT AND CHAIN OF CUSTODY FORMS





Thursday, February 3, 2022

Fibertec Project Number: A06456 Amended
Project Identification: SWET21-Warren-11031 Shoemaker Street /
Submittal Date: 01/14/2022

Mr. Lee Gosson
EGLE - State Overflow
Invoice sent to:
525 W. Allegan St., Constitution Hall-3N
Lansing, MI 48909

Dear Mr. Gosson,

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.

Please note that the tare weights for samples -011 and -012 were provided by the client via email and are an estimated weight.

In regards to this project, SWET21-Warren-11031 Shoemaker St, the file number is 731/20138.AGY. The contract order number is Y20153. Our permanent ISD number is 00869. The Location Code is 7826.

This report has been amended to include Volatiles results on samples -011 and -012 and replaces the report issued on January 25, 2022.

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 Bailey Welch at 11:36 AM, Feb 03, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

1914 Holloway Drive
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8660 S Mackinaw Trail

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Cadillac, MI 49601

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	EGLE - State Overflow	Sample Description:	SB-01 (10ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:23
Sample Comments:	Soil results have been calculated and reported on a dry weight 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: A06456-001		Matrix: Soil/Solid							
Method: ASTM D2216-10						Description: SB-01 (10ft)									
Parameter(s)						Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
											P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Percent Moisture (Water Content)						21		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-001A	Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-01 (10ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 2. Acrylonitrile	U		µg/kg	190	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
3. Benzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
8. Bromomethane	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
11. n-Butylbenzene	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
15. Carbon Tetrachloride	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
16. Chlorobenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
18. Chloroform	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
30. 1,2-Dichloroethane	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART

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F: (810) 220-3311
F: (231) 775-8584

Client Identification:	EGLE - State Overflow	Sample Description:	SB-01 (10ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:23
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-001A **Matrix: Soil/Solid**
Description: SB-01 (10ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
32. cis-1,2-Dichloroethene	20000		µg/kg	4700	100	01/21/22	VJ22A21A	01/21/22 16:57	VJ22A21A	ART
33. trans-1,2-Dichloroethene	130		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
49. Naphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
51. Styrene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
54. Tetrachloroethene	11000		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	470	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
56. Toluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	94	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
61. Trichloroethene	210000		µg/kg	9400	100	01/21/22	VJ22A21A	01/21/22 16:57	VJ22A21A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
67. Vinyl Chloride	U		µg/kg	47	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART

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F: (231) 775-8584

Client Identification:	EGL - State Overflow	Sample Description:	SB-01 (10ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:23
Sample Comments:	Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-001A **Matrix: Soil/Solid**
Description: SB-01 (10ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
69. o-Xylene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 14:50	VP22A20A	ART

Client Identification:	EGL - State Overflow	Sample Description:	SB-02 (10ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:44
Sample Comments:	Soil results have been calculated and reported on a dry weight 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: A06456-002	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: SB-02 (10ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	24		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035					Aliquot ID: A06456-002B	Matrix: Soil/Solid				
Method: EPA 5035A/EPA 8260D					Description: SB-02 (10ft)					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	100000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
3. Benzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
4. Bromobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
5. Bromochloromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
6. Bromodichloromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
7. Bromoform	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
8. Bromomethane	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
9. t-Butanol	U		µg/kg	100000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
10. 2-Butanone	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
11. n-Butylbenzene	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
12. sec-Butylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
13. tert-Butylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
14. Carbon Disulfide	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
15. Carbon Tetrachloride	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
16. Chlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
17. Chloroethane	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
18. Chloroform	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
19. Chloromethane	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
20. 2-Chlorotoluene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 21. Cyclohexane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
23. Dibromochloromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
24. Dibromomethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
25. 1,2-Dichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
26. 1,3-Dichlorobenzene	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
27. 1,4-Dichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
28. Dichlorodifluoromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
29. 1,1-Dichloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
30. 1,2-Dichloroethane	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF

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F: (231) 775-8584

Client Identification:	EGLE - State Overflow	Sample Description:	SB-02 (10ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:44
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-002B **Matrix: Soil/Solid**
Description: SB-02 (10ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
32. cis-1,2-Dichloroethene	24000		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
33. trans-1,2-Dichloroethene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
34. 1,2-Dichloropropane	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
35. cis-1,3-Dichloropropene	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
36. trans-1,3-Dichloropropene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
37. Diethyl Ether	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 38. Diisopropyl Ether	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 39. ETBE	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
40. Ethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
41. Ethylene Dibromide	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 42. Hexachloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
43. 2-Hexanone	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
44. Isopropylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
45. 4-Methyl-2-pentanone	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
46. Methylene Chloride	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 47. 2-Methylnaphthalene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
48. MTBE	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
49. Naphthalene	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
50. n-Propylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
51. Styrene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
54. Tetrachloroethene	67000		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 55. Tetrahydrofuran	U		µg/kg	100000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
56. Toluene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
57. 1,2,3-Trichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
58. 1,2,4-Trichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
59. 1,1,1-Trichloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
60. 1,1,2-Trichloroethane	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
61. Trichloroethene	1100000		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
62. Trichlorofluoromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
63. 1,2,3-Trichloropropane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
65. 1,2,4-Trimethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
66. 1,3,5-Trimethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
67. Vinyl Chloride	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-02 (10ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:44
Sample Comments:	Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-002B **Matrix: Soil/Solid**
Description: SB-02 (10ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	21000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
69. o-Xylene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF
‡ 70. Xylenes	U		µg/kg	31000	200	01/21/22	VP22A21A	01/21/22 16:47	VP22A21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-002 **Matrix: Soil/Solid**
Description: SB-02 (10ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
2. Acenaphthylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
3. Anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
4. Benzo(a)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
5. Benzo(a)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
9. Chrysene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
11. Fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
12. Fluorene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
15. Naphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
16. Phenanthrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT
17. Pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 20:50	S522A20A	TKT

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-03 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:21
Sample Comments: Soil results have been calculated and reported on a dry weight 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: A06456-003		Matrix: Soil/Solid		
Method: ASTM D2216-10						Description: SB-03 (9ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	20		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-003A		Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-03 (9ft)					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			
						P. Date	P. Batch	A. Date	A. Batch	Init.	
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
‡ 2. Acrylonitrile	U		µg/kg	210	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
3. Benzene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
8. Bromomethane	U		µg/kg	210	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
11. n-Butylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
12. sec-Butylbenzene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
13. tert-Butylbenzene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
15. Carbon Tetrachloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
16. Chlorobenzene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
18. Chloroform	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
20. 2-Chlorotoluene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
29. 1,1-Dichloroethane	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	
30. 1,2-Dichloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART	

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Client Identification:	EGL - State Overflow	Sample Description:	SB-03 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:21
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-003A **Matrix: Soil/Solid**
Description: SB-03 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
32. cis-1,2-Dichloroethene	2900		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
33. trans-1,2-Dichloroethene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
49. Naphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
51. Styrene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
54. Tetrachloroethene	1500		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	510	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
56. Toluene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
61. Trichloroethene	17000		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
67. Vinyl Chloride	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-03 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:21
Sample Comments:	Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-003A Matrix: Soil/Solid
Description: SB-03 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
69. o-Xylene	U		µg/kg	51	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 15:44	VP22A20A	ART

Client Identification:	EGL - State Overflow	Sample Description:	SB-04 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:48
Sample Comments:	Soil results have been calculated and reported on a dry weight 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: A06456-004		Matrix: Soil/Solid		
Method: ASTM D2216-10						Description: SB-04 (9ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	21		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035					Aliquot ID: A06456-004B	Matrix: Soil/Solid				
Method: EPA 5035A/EPA 8260D					Description: SB-04 (9ft)					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	100000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
3. Benzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
4. Bromobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
5. Bromochloromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
6. Bromodichloromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
7. Bromoform	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
8. Bromomethane	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
9. t-Butanol	U		µg/kg	100000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
10. 2-Butanone	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
11. n-Butylbenzene	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
12. sec-Butylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
13. tert-Butylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
14. Carbon Disulfide	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
15. Carbon Tetrachloride	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
16. Chlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
17. Chloroethane	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
18. Chloroform	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
19. Chloromethane	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
20. 2-Chlorotoluene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 21. Cyclohexane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
23. Dibromochloromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
24. Dibromomethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
25. 1,2-Dichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
26. 1,3-Dichlorobenzene	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
27. 1,4-Dichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
28. Dichlorodifluoromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
29. 1,1-Dichloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
30. 1,2-Dichloroethane	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-04 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:48
Sample Comments:	Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-004B **Matrix: Soil/Solid**
Description: SB-04 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
32. cis-1,2-Dichloroethene	33000		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
33. trans-1,2-Dichloroethene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
34. 1,2-Dichloropropane	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
35. cis-1,3-Dichloropropene	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
36. trans-1,3-Dichloropropene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
37. Diethyl Ether	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 38. Diisopropyl Ether	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 39. ETBE	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
40. Ethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
41. Ethylene Dibromide	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 42. Hexachloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
43. 2-Hexanone	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
44. Isopropylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
45. 4-Methyl-2-pentanone	U		µg/kg	41000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
46. Methylene Chloride	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 47. 2-Methylnaphthalene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
48. MTBE	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
49. Naphthalene	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
50. n-Propylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
51. Styrene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
54. Tetrachloroethene	200000		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 55. Tetrahydrofuran	U		µg/kg	100000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
56. Toluene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
57. 1,2,3-Trichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
58. 1,2,4-Trichlorobenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
59. 1,1,1-Trichloroethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
60. 1,1,2-Trichloroethane	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
61. Trichloroethene	1300000		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
62. Trichlorofluoromethane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
63. 1,2,3-Trichloropropane	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
65. 1,2,4-Trimethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
66. 1,3,5-Trimethylbenzene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
67. Vinyl Chloride	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-04 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:48
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-004B **Matrix: Soil/Solid**
Description: SB-04 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	20000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
69. o-Xylene	U		µg/kg	10000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF
‡ 70. Xylenes	U		µg/kg	30000	200	01/21/22	VP22A21A	01/21/22 17:14	VP22A21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-004 **Matrix: Soil/Solid**
Description: SB-04 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
2. Acenaphthylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
3. Anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
4. Benzo(a)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
5. Benzo(a)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
9. Chrysene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
11. Fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
12. Fluorene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
14. 2-Methylnaphthalene	750		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
15. Naphthalene	490		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
16. Phenanthrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT
17. Pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:23	S522A20A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A06456
Laboratory Sample Number: A06456-005

Order: A06456
Page: 14 of 43
Date: 02/03/22

Client Identification:	EGLE - State Overflow	Sample Description:	SB-05 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	11:17
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: A06456-005		Matrix: Soil/Solid		
Method: ASTM D2216-10						Description: SB-05 (9ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	21		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-005B	Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-05 (9ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 2. Acrylonitrile	U		µg/kg	210	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
3. Benzene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
8. Bromomethane	U		µg/kg	210	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
11. n-Butylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
12. sec-Butylbenzene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
13. tert-Butylbenzene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
15. Carbon Tetrachloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
16. Chlorobenzene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
18. Chloroform	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
20. 2-Chlorotoluene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
29. 1,1-Dichloroethane	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
30. 1,2-Dichloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART

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Analytical Laboratory Report
Laboratory Project Number: A06456
Laboratory Sample Number: A06456-005

Order: A06456
Page: 15 of 43
Date: 02/03/22

Client Identification:	EGLE - State Overflow	Sample Description:	SB-05 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	11:17
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.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-005B **Matrix: Soil/Solid**
Description: SB-05 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	86		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
32. cis-1,2-Dichloroethene	77000		µg/kg	2100	40	01/21/22	VJ22A21A	01/21/22 17:22	VJ22A21A	ART
33. trans-1,2-Dichloroethene	340		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	2500		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
49. Naphthalene	730		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
51. Styrene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
54. Tetrachloroethene	31000		µg/kg	4100	40	01/21/22	VJ22A21A	01/21/22 17:22	VJ22A21A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	520	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
56. Toluene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
61. Trichloroethene	130000		µg/kg	4100	40	01/21/22	VJ22A21A	01/21/22 17:22	VJ22A21A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	130		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
67. Vinyl Chloride	1400		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-05 (9ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	11:17
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.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-005B **Matrix: Soil/Solid**
Description: SB-05 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
69. o-Xylene	U		µg/kg	52	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 16:37	VP22A20A	ART

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-005 **Matrix: Soil/Solid**
Description: SB-05 (9ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
2. Acenaphthylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
3. Anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
4. Benzo(a)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
5. Benzo(a)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
9. Chrysene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
11. Fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
12. Fluorene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
14. 2-Methylnaphthalene	700		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
15. Naphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
16. Phenanthrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT
17. Pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 21:56	S522A20A	TKT

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Client Identification:	EGL - State Overflow	Sample Description:	SB-06 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	12:46
Sample Comments: Soil results have been calculated and reported on a dry weight 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: A06456-006	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: SB-06 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	12		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-006A		Matrix: Soil/Solid		
Method: EPA 5035A/EPA 8260D						Description: SB-06 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 2. Acrylonitrile	U		µg/kg	170	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
3. Benzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
8. Bromomethane	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
11. n-Butylbenzene	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
15. Carbon Tetrachloride	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
16. Chlorobenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
18. Chloroform	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
30. 1,2-Dichloroethane	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART

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Client Identification:	EGL - State Overflow	Sample Description:	SB-06 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	12:46
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-006A **Matrix: Soil/Solid**
Description: SB-06 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VJ22A21A	01/21/22 15:13	VJ22A21A	ART
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
49. Naphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
51. Styrene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
54. Tetrachloroethene	55		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	430	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
56. Toluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	86	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
61. Trichloroethene	U		µg/kg	86	1.0	01/21/22	VJ22A21A	01/21/22 15:13	VJ22A21A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
67. Vinyl Chloride	U		µg/kg	43	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-06 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	12:46
Sample Comments:	Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-006A Matrix: Soil/Solid
Description: SB-06 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
69. o-Xylene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 17:03	VP22A20A	ART

Client Identification:	EGL - State Overflow	Sample Description:	SB-07 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	13:12
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: A06456-007		Matrix: Soil/Solid		
Method: ASTM D2216-10						Description: SB-07 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	14		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-007A	Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-07 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 2. Acrylonitrile	U		µg/kg	170	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
3. Benzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
8. Bromomethane	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
11. n-Butylbenzene	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
15. Carbon Tetrachloride	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
16. Chlorobenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
18. Chloroform	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
30. 1,2-Dichloroethane	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-07 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	13:12
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.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-007A **Matrix: Soil/Solid**
Description: SB-07 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
49. Naphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
51. Styrene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
54. Tetrachloroethene	60		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	420	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
56. Toluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	83	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
61. Trichloroethene	120		µg/kg	83	1.0	01/21/22	VJ22A21A	01/21/22 15:39	VJ22A21A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
67. Vinyl Chloride	U		µg/kg	42	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART

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Client Identification:	EGL - State Overflow	Sample Description:	SB-07 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	13:12
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.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-007A Matrix: Soil/Solid
Description: SB-07 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
69. o-Xylene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 17:30	VP22A20A	ART

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Client Identification:	EGL - State Overflow	Sample Description:	SB-08 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	13:40
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: A06456-008	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: SB-08 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	14		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-008B	Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-08 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 2. Acrylonitrile	U		µg/kg	170	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
3. Benzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
8. Bromomethane	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
11. n-Butylbenzene	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
15. Carbon Tetrachloride	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
16. Chlorobenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
18. Chloroform	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
30. 1,2-Dichloroethane	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-08 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	13:40
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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-008B **Matrix: Soil/Solid**
Description: SB-08 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
49. Naphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
51. Styrene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
54. Tetrachloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	430	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
56. Toluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	85	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
61. Trichloroethene	76		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
67. Vinyl Chloride	U		µg/kg	43	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-08 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	13:40
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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-008B **Matrix: Soil/Solid**
Description: SB-08 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
69. o-Xylene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 17:56	VP22A20A	ART

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-008 **Matrix: Soil/Solid**
Description: SB-08 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
2. Acenaphthylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
3. Anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
4. Benzo(a)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
5. Benzo(a)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
9. Chrysene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
11. Fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
12. Fluorene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
15. Naphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
16. Phenanthrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT
17. Pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 22:30	S522A20A	TKT

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-11 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/13/22
Client Project No:	NA	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: A06456-009	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: SB-11 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	15		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-009B	Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-11 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 2. Acrylonitrile	U		µg/kg	180	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
3. Benzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
4. Bromobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
5. Bromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
6. Bromodichloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
7. Bromoform	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
8. Bromomethane	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
9. t-Butanol	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
10. 2-Butanone	U		µg/kg	750	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
11. n-Butylbenzene	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
14. Carbon Disulfide	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
15. Carbon Tetrachloride	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
16. Chlorobenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
17. Chloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
18. Chloroform	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
19. Chloromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
23. Dibromochloromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
24. Dibromomethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
30. 1,2-Dichloroethane	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART

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F: (231) 775-8584

Client Identification:	EGL - State Overflow	Sample Description:	SB-11 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/13/22
Client Project No:	NA	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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-009B **Matrix: Soil/Solid**
Description: SB-11 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
32. cis-1,2-Dichloroethene	650		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
33. trans-1,2-Dichloroethene	54		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
34. 1,2-Dichloropropane	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
35. cis-1,3-Dichloropropene	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
37. Diethyl Ether	U		µg/kg	200	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 39. ETBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
40. Ethylbenzene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
43. 2-Hexanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
44. Isopropylbenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
46. Methylene Chloride	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
48. MTBE	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
49. Naphthalene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
50. n-Propylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
51. Styrene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
54. Tetrachloroethene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 55. Tetrahydrofuran	U		µg/kg	440	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
56. Toluene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
60. 1,1,2-Trichloroethane	U		µg/kg	88	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
61. Trichloroethene	1100		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
67. Vinyl Chloride	52		µg/kg	44	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-11 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/13/22
Client Project No:	NA	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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-009B **Matrix: Soil/Solid**
Description: SB-11 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
69. o-Xylene	U		µg/kg	50	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART
‡ 70. Xylenes	U		µg/kg	150	1.0	01/20/22	VP22A20A	01/20/22 18:23	VP22A20A	ART

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-009 **Matrix: Soil/Solid**
Description: SB-11 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
2. Acenaphthylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
3. Anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
4. Benzo(a)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
5. Benzo(a)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
9. Chrysene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
11. Fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
12. Fluorene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
15. Naphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
16. Phenanthrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT
17. Pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:03	S522A20A	TKT

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Client Identification:	EGL - State Overflow	Sample Description:	DUP-1	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	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: A06456-010		Matrix: Soil/Solid		
Method: ASTM D2216-10						Description: DUP-1				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	15		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-010B		Matrix: Soil/Solid		
Method: EPA 5035A/EPA 8260D						Description: DUP-1				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	170	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
3. Benzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
7. Bromoform	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
9. t-Butanol	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
10. 2-Butanone	U		µg/kg	750	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
11. n-Butylbenzene	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
14. Carbon Disulfide	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
15. Carbon Tetrachloride	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
16. Chlorobenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
17. Chloroethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
18. Chloroform	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
19. Chloromethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
23. Dibromochloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
24. Dibromomethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
30. 1,2-Dichloroethane	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	DUP-1	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-010B **Matrix: Soil/Solid**
Description: DUP-1

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
34. 1,2-Dichloropropane	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
35. cis-1,3-Dichloropropene	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
37. Diethyl Ether	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 39. ETBE	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
40. Ethylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
43. 2-Hexanone	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
44. Isopropylbenzene	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
46. Methylene Chloride	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
48. MTBE	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
49. Naphthalene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
50. n-Propylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
51. Styrene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
54. Tetrachloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 55. Tetrahydrofuran	U		µg/kg	420	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
56. Toluene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
60. 1,1,2-Trichloroethane	U		µg/kg	84	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
61. Trichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
67. Vinyl Chloride	U		µg/kg	42	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	DUP-1	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/12/22
Client Project No:	NA	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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-010B **Matrix: Soil/Solid**
Description: DUP-1

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
69. o-Xylene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF
‡ 70. Xylenes	U		µg/kg	150	1.0	01/21/22	VP22A21A	01/21/22 19:53	VP22A21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-010 **Matrix: Soil/Solid**
Description: DUP-1

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
2. Acenaphthylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
3. Anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
4. Benzo(a)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
5. Benzo(a)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
9. Chrysene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
11. Fluoranthene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
12. Fluorene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
15. Naphthalene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
16. Phenanthrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT
17. Pyrene	U		µg/kg	330	1.0	01/20/22	PS22A20C	01/20/22 23:36	S522A20A	TKT

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Client Identification:	EGL - State Overflow	Sample Description:	SB-12 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:28
Sample Comments:	Soil results have been calculated and reported on a dry weight 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: A06456-011	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: SB-12 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	12		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-011A		Matrix: Soil/Solid		
Method: EPA 5035A/EPA 8260D						Description: SB-12 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	V+	µg/kg	1000	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
‡ 2. Acrylonitrile	U		µg/kg	190	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
3. Benzene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
7. Bromoform	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
8. Bromomethane	U		µg/kg	200	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
10. n-Butylbenzene	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
14. Carbon Tetrachloride	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
15. Chlorobenzene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
16. Chloroethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
17. Chloroform	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
18. Chloromethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
28. 1,2-Dichloroethane	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-12 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:28
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-011A **Matrix: Soil/Solid**
Description: SB-12 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
32. 1,2-Dichloropropane	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
35. Ethylbenzene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
36. Ethylene Dibromide	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
40. Methylene Chloride	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
42. MTBE	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
43. Naphthalene	U		µg/kg	330	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
45. Styrene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
48. Tetrachloroethene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
49. Toluene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	94	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
53. Trichloroethene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
59. Vinyl Chloride	U		µg/kg	47	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
60. m&p-Xylene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
61. o-Xylene	U		µg/kg	50	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF
‡ 62. Xylenes	U		µg/kg	150	1.0	02/01/22	VP22B01A	02/01/22 12:18	VP22B01A	JMF

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Client Identification:	EGL - State Overflow	Sample Description:	SB-13 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	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: A06456-012	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: SB-13 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	18		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-012B		Matrix: Soil/Solid		
Method: EPA 5035A/EPA 8260D						Description: SB-13 (15ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	V+	µg/kg	1000	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
‡ 2. Acrylonitrile	U		µg/kg	220	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
3. Benzene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
7. Bromoform	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
8. Bromomethane	U		µg/kg	220	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
9. 2-Butanone	U		µg/kg	750	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
10. n-Butylbenzene	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
11. sec-Butylbenzene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
12. tert-Butylbenzene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
14. Carbon Tetrachloride	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
15. Chlorobenzene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
16. Chloroethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
17. Chloroform	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
18. Chloromethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
19. 2-Chlorotoluene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
21. Dibromochloromethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
22. Dibromomethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
24. 1,3-Dichlorobenzene	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
27. 1,1-Dichloroethane	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
28. 1,2-Dichloroethane	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
29. 1,1-Dichloroethene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
30. cis-1,2-Dichloroethene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-13 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	09:50
Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.					
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-012B **Matrix: Soil/Solid**
Description: SB-13 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. trans-1,2-Dichloroethene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
32. 1,2-Dichloropropane	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
33. cis-1,3-Dichloropropene	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
34. trans-1,3-Dichloropropene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
35. Ethylbenzene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
36. Ethylene Dibromide	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
38. Isopropylbenzene	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
39. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
40. Methylene Chloride	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
42. MTBE	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
43. Naphthalene	U		µg/kg	330	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
45. Styrene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
48. Tetrachloroethene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
49. Toluene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
51. 1,1,1-Trichloroethane	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
52. 1,1,2-Trichloroethane	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
53. Trichloroethene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
54. Trichlorofluoromethane	U	V+	µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
59. Vinyl Chloride	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
60. m&p-Xylene	U		µg/kg	110	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
61. o-Xylene	U		µg/kg	54	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF
‡ 62. Xylenes	U		µg/kg	160	1.0	02/01/22	VP22B01A	02/01/22 12:45	VP22B01A	JMF

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Client Identification:	EGL - State Overflow	Sample Description:	SB-13 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	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.				

Polynuclear Aromatic Hydrocarbons (PNAs)						Aliquot ID: A06456-012	Matrix: Soil/Solid				
Method: EPA 3546/EPA 8270E						Description: SB-13 (15ft)					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			
						P. Date	P. Batch	A. Date	A. Batch	Init.	
1. Acenaphthene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
2. Acenaphthylene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
3. Anthracene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
9. Chrysene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
11. Fluoranthene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
12. Fluorene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
15. Naphthalene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
16. Phenanthrene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	
17. Pyrene (SIM)	U		µg/kg	330	10	01/21/22	PS22A20C	01/21/22 14:57	S622A21A	TKT	

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Client Identification:	EGL - State Overflow	Sample Description:	SB-14 (5ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:17
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: A06456-013		Matrix: Soil/Solid		
Method: ASTM D2216-10						Description: SB-14 (5ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	21		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A06456-013B	Matrix: Soil/Solid			
Method: EPA 5035A/EPA 8260D						Description: SB-14 (5ft)				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
3. Benzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
7. Bromoform	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
9. t-Butanol	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
10. 2-Butanone	U		µg/kg	750	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
11. n-Butylbenzene	180		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
12. sec-Butylbenzene	96	E1	µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
14. Carbon Disulfide	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
15. Carbon Tetrachloride	U		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
16. Chlorobenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
17. Chloroethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
18. Chloroform	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
19. Chloromethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
23. Dibromochloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
24. Dibromomethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
30. 1,2-Dichloroethane	U		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-14 (5ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:17
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.					

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-013B **Matrix: Soil/Solid**
Description: SB-14 (5ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
34. 1,2-Dichloropropane	U		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
35. cis-1,3-Dichloropropene	U		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
37. Diethyl Ether	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 39. ETBE	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
40. Ethylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
43. 2-Hexanone	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
44. Isopropylbenzene	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
46. Methylene Chloride	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 47. 2-Methylnaphthalene	760		µg/kg	330	1.0	01/24/22	VJ22A24A	01/24/22 13:40	VJ22A24A	ART
48. MTBE	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
49. Naphthalene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
50. n-Propylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
51. Styrene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
54. Tetrachloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 55. Tetrahydrofuran	U		µg/kg	490	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
56. Toluene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
60. 1,1,2-Trichloroethane	U		µg/kg	98	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
61. Trichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
67. Vinyl Chloride	U		µg/kg	49	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-14 (5ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:17
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.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-013B **Matrix: Soil/Solid**
Description: SB-14 (5ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
69. o-Xylene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF
‡ 70. Xylenes	U		µg/kg	150	1.0	01/21/22	VP22A21A	01/21/22 20:19	VP22A21A	JMF

Polynuclear Aromatic Hydrocarbons (PNAs)
Method: EPA 3546/EPA 8270E

Aliquot ID: A06456-013 **Matrix: Soil/Solid**
Description: SB-14 (5ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
2. Acenaphthylene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
3. Anthracene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
9. Chrysene (SIM)	380		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
11. Fluoranthene (SIM)	890		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
12. Fluorene (SIM)	880		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
14. 2-Methylnaphthalene (SIM)	810		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
15. Naphthalene (SIM)	U		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
16. Phenanthrene (SIM)	4100		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT
17. Pyrene (SIM)	730		µg/kg	330	20	01/21/22	PS22A20C	01/21/22 15:24	S622A21A	TKT

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Client Identification:	EGLE - State Overflow	Sample Description:	SB-15 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:51
Sample Comments:	Soil results have been calculated and reported on a dry weight 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: A06456-014		Matrix: Soil/Solid							
Method: ASTM D2216-10						Description: SB-15 (15ft)									
Parameter(s)						Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
											P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Percent Moisture (Water Content)						15		%	1	1.0	01/18/22	MC220118	01/19/22	MC220118	BP

Volatile Organic Compounds (VOCs) by GC/MS, 5035					Aliquot ID: A06456-014A	Matrix: Soil/Solid				
Method: EPA 5035A/EPA 8260D					Description: SB-15 (15ft)					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		µg/kg	1000	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 2. Acrylonitrile	U		µg/kg	180	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
3. Benzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
4. Bromobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
5. Bromochloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
6. Bromodichloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
7. Bromoform	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
8. Bromomethane	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
9. t-Butanol	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
10. 2-Butanone	U		µg/kg	750	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
11. n-Butylbenzene	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
12. sec-Butylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
13. tert-Butylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
14. Carbon Disulfide	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
15. Carbon Tetrachloride	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
16. Chlorobenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
17. Chloroethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
18. Chloroform	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
19. Chloromethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
20. 2-Chlorotoluene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 21. Cyclohexane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 22. 1,2-Dibromo-3-chloropropane (SIM)	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
23. Dibromochloromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
24. Dibromomethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
25. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
26. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
27. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
28. Dichlorodifluoromethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
29. 1,1-Dichloroethane	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
30. 1,2-Dichloroethane	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF

1914 Holloway Drive
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8660 S Mackinaw Trail

Hbt, MI 48842
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Cadillac, MI 49601

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	EGL - State Overflow	Sample Description:	SB-15 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:51
Sample Comments: Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-014A **Matrix: Soil/Solid**
Description: SB-15 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
31. 1,1-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
32. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
33. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
34. 1,2-Dichloropropane	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
35. cis-1,3-Dichloropropene	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
36. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
37. Diethyl Ether	U		µg/kg	200	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 38. Diisopropyl Ether	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 39. ETBE	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
40. Ethylbenzene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
41. Ethylene Dibromide	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 42. Hexachloroethane	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
43. 2-Hexanone	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
44. Isopropylbenzene	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
45. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
46. Methylene Chloride	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 47. 2-Methylnaphthalene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
48. MTBE	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
49. Naphthalene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
50. n-Propylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
51. Styrene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
52. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
53. 1,1,2,2-Tetrachloroethane	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
54. Tetrachloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 55. Tetrahydrofuran	U		µg/kg	450	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
56. Toluene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
57. 1,2,3-Trichlorobenzene	U		µg/kg	330	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
58. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
59. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
60. 1,1,2-Trichloroethane	U		µg/kg	90	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
61. Trichloroethene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
62. Trichlorofluoromethane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
63. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 64. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
65. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
66. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
67. Vinyl Chloride	U		µg/kg	45	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF

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F: (231) 775-8584

Client Identification:	EGLE - State Overflow	Sample Description:	SB-15 (15ft)	Chain of Custody:	N/A
Client Project Name:	SWET21-Warren-11031 Shoemaker Street	Sample No:		Collect Date:	01/14/22
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	10:51
Sample Comments:	Soil results have been calculated and reported on a dry weight 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
Method: EPA 5035A/EPA 8260D

Aliquot ID: A06456-014A Matrix: Soil/Solid
Description: SB-15 (15ft)

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
68. m&p-Xylene	U		µg/kg	100	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
69. o-Xylene	U		µg/kg	50	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF
‡ 70. Xylenes	U		µg/kg	150	1.0	01/21/22	VP22A21A	01/21/22 20:46	VP22A21A	JMF

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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:

- E1** : The reported value is estimated due to the presence of interference.
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)

1914 Holloway Drive
11766 E Grand River
8660 S Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

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F: (810) 220-3311
F: (231) 775-8584



Analysis Request Sheet

Lab Work Order Number

Project Name

Matrix

SWET21 - Warren - 11031 Shoemaker Street

SOIL/SEDIMENT

Site Code/Project Number

AY

CC Email 1

Project TAT Days

Sample Collector

T400 / 7826

Index

CC Email 2

Project Due Date

Rabia Azam

Dept-Division-District

PCA

CC Email 3

Accept Analysis hold time codes

Sample Collector Phone

EGLE-RRD-SWET21

T400

mschult@manniksmithgroup.com

734-578-8243

State Project Manager

Project

Overflow Lab Choice 1

Contract Firm

Lee Gosson

Phase

Overflow Lab Choice 2

The Mannik & Smith Group

State Project Manager Email

TriMatrix

Contract Firm Primary Contact

GossonL@michigan.gov

7826

Fibertec

Mark Schult

State Project Manager Phone

Primary Contact Phone

517-582-4482

734-397-3100

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Bottle Count	Comments
1	SB-01 (10 ft)	1/12/22	923	1	
2	SB-02 (10 ft)	1/12/22	944	2	
3	SB-03 (9 ft)	1/12/22	1021	1	
4	SB-04 (9 ft)	1/12/22	1048	2	
5	SB-05 (9 ft)	1/12/22	1117	2	
6	SB-06 (15 ft)	1/12/22	1246	1	
7	SB-07 (15 ft)	1/12/22	1312	1	
8	SB-08 (15 ft)	1/12/22	1340	2	
9	SB-11 (15 ft)	1/13/22	1035	2	
10	DUP-1	1/12/22		2	

ORGANIC CHEMISTRY		METALS CHEMISTRY PACKAGES		MS - TOTAL METALS		GENERAL CHEMISTRY	
VOA - Volatile Organic Acid		OpMemo2 - Total 1 2 3 4 5 6 7 8 9 10		Silver - Ag 1 2 3 4 5 6 7 8 9 10		GS - General Chemistry	
Volatiles - Full List 1 2 3 4 5 6 7 8 9 10		(Sb,As,Ba,Be,Cd,Cr,Cu,Co,Fe,Pb,Mn,Hg,Mo,Ni,Se,Ag,Ti,V,Zn)		Aluminum - Al 1 2 3 4 5 6 7 8 9 10		Total Cyanide - CN 1 2 3 4 5 6 7 8 9 10	
BTEX/MTBE/TMB only 1 2 3 4 5 6 7 8 9 10		Michigan10 - Total 1 2 3 4 5 6 7 8 9 10		Arsenic - As 1 2 3 4 5 6 7 8 9 10		Available Cyanide - CN 1 2 3 4 5 6 7 8 9 10	
Chlorinated only 1 2 3 4 5 6 7 8 9 10		(As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn)		Barium - Ba 1 2 3 4 5 6 7 8 9 10			
GRO 1 2 3 4 5 6 7 8 9 10				Beryllium - Be 1 2 3 4 5 6 7 8 9 10			
1,4 Dioxane 1 2 3 4 5 6 7 8 9 10				Cadmium - Cd 1 2 3 4 5 6 7 8 9 10			
				Cobalt - Co 1 2 3 4 5 6 7 8 9 10			
				Chromium - Cr 1 2 3 4 5 6 7 8 9 10			
				Copper - Cu 1 2 3 4 5 6 7 8 9 10			
				Iron - Fe 1 2 3 4 5 6 7 8 9 10			
				Mercury - Hg 1 2 3 4 5 6 7 8 9 10			
				Lithium - Li 1 2 3 4 5 6 7 8 9 10			
				Manganese - Mn 1 2 3 4 5 6 7 8 9 10			
				Molybdenum - Mo 1 2 3 4 5 6 7 8 9 10			
				Nickel - Ni 1 2 3 4 5 6 7 8 9 10			
				Lead - Pb 1 2 3 4 5 6 7 8 9 10			
				Antimony - Sb 1 2 3 4 5 6 7 8 9 10			
				Selenium - Se 1 2 3 4 5 6 7 8 9 10			
				Strontium - Sr 1 2 3 4 5 6 7 8 9 10			
				Titanium - Ti 1 2 3 4 5 6 7 8 9 10			
				Thallium - Tl 1 2 3 4 5 6 7 8 9 10			
				Uranium - U 1 2 3 4 5 6 7 8 9 10			
				Vanadium - V 1 2 3 4 5 6 7 8 9 10			
				Zinc - Zn 1 2 3 4 5 6 7 8 9 10			
				Calcium - Ca 1 2 3 4 5 6 7 8 9 10			
				Potassium - K 1 2 3 4 5 6 7 8 9 10			
				Magnesium - Mg 1 2 3 4 5 6 7 8 9 10			
				Sodium - Na 1 2 3 4 5 6 7 8 9 10			

OS - Pesticides, PCBs	
Pesticides & PCBs	1 2 3 4 5 6 7 8 9 10
Pesticides only	1 2 3 4 5 6 7 8 9 10
PCBs only	1 2 3 4 5 6 7 8 9 10
Toxaphene	1 2 3 4 5 6 7 8 9 10

BNA - Base Neutral Acids	
BNAs	1 2 3 4 5 6 7 8 9 10
PNAs only	1 2 3 4 5 6 7 8 9 10
BNs only	1 2 3 4 5 6 7 8 9 10

Organic Specialty Requests	
Library search - Volatiles	1 2 3 4 5 6 7 8 9 10
Library search - SemiVols	1 2 3 4 5 6 7 8 9 10
Finger Print	1 2 3 4 5 6 7 8 9 10
DRO / ORO	1 2 3 4 5 6 7 8 9 10

AP6456

2.2°C

Received
On Ice

Received By Lab

JAN 14 2022

Initials: JS

2.2°C
Received On Ice
Received By Lab
JAN 14 2022
Initials: *ss*

Chain of Custody	Relinquished by	Received By	Date / Time
	Print Name & Org. Rabia Azam / M86	<i>Seyla</i>	1-14-22 14:32
	Signature: <i>Rabia</i>		
	Print Name & Org.		
	Signature:		
	Print Name & Org.		
	Signature:		



Analysis Request Sheet

Lab Work Order Number

Project Name

Matrix

SWET21 - Warren - 11031 Shoemaker Street

SOIL/SEDIMENT

Site Code/Project Number

T400 / 7826

Dept-Division-District

EGLE-RRD-SWET21

State Project Manager

Lee Gosson

State Project Manager Email

GossonL@michigan.gov

State Project Manager Phone

517-582-4482

AY

Index

T400

PCA

Project

7826

Phase

CC Email 1

McKeeverA1@michigan.gov

CC Email 2

mschult@mannaismithgroup.com

CC Email 3

dadler@mannaismithgroup.com

Overflow Lab Choice 1

TriMatrix

Overflow Lab Choice 2

Fibertec

Project TAT Days

Project Due Date

Accept Analysis
hold time codes

Sample Collector

Rabia Azam

Sample Collector Phone

734-578-8243

Contract Firm

The Mannik & Smith Group

Contract Firm Primary Contact

Mark Schult

Primary Contact Phone

734-397-3100

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Bottle Count	Comments
1	SB - 12 (15 ft)	1/14/22	928	1	
2	SB - 13 (15 ft)	1/14/22	950	2	
3	SB - 14 (5 ft)	1/14/22	1017	2	
4	SB - 15 (15 ft)	1/14/22	1051	1	
5					
6					
7					
8					
9					
10					

ORGANIC CHEMISTRY	METALS CHEMISTRY PACKAGES	MS - TOTAL METALS	GENERAL CHEMISTRY
VOA - Volatile Organic Acidic Volatiles - Full List 1 2 3 4 5 6 7 8 9 10 BTEX/MTBE/TMB only 1 2 3 4 5 6 7 8 9 10 Chlorinated only 1 2 3 4 5 6 7 8 9 10 GRO 1 2 3 4 5 6 7 8 9 10 1,4 Dioxane 1 2 3 4 5 6 7 8 9 10 OS - Pesticides, PCBs Pesticides & PCBs 1 2 3 4 5 6 7 8 9 10 Pesticides only 1 2 3 4 5 6 7 8 9 10 PCBs only 1 2 3 4 5 6 7 8 9 10 Toxaphene 1 2 3 4 5 6 7 8 9 10 BNA - Base Neutral Acids BNAs 1 2 3 4 5 6 7 8 9 10 PNAs only 1 2 3 4 5 6 7 8 9 10 BNs only 1 2 3 4 5 6 7 8 9 10 Organic Specialty Requests Library search - Volatiles 1 2 3 4 5 6 7 8 9 10 Library search - SemiVols 1 2 3 4 5 6 7 8 9 10 Finger Print 1 2 3 4 5 6 7 8 9 10 DRO / ORO 1 2 3 4 5 6 7 8 9 10	OpMemo2 - Total 1 2 3 4 5 6 7 8 9 10 (Sb,As,Ba,Be,Cd,Cr,Cu,Co,Fe,Pb,Mn,Hg,Mo,Ni,Se,Ag,Tl,V,Zn) Michigan10 - Total 1 2 3 4 5 6 7 8 9 10 (As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn)	Silver - Ag 1 2 3 4 5 6 7 8 9 10 Aluminum - Al 1 2 3 4 5 6 7 8 9 10 Arsenic - As 1 2 3 4 5 6 7 8 9 10 Barium - Ba 1 2 3 4 5 6 7 8 9 10 Beryllium - Be 1 2 3 4 5 6 7 8 9 10 Cadmium - Cd 1 2 3 4 5 6 7 8 9 10 Cobalt - Co 1 2 3 4 5 6 7 8 9 10 Chromium - Cr 1 2 3 4 5 6 7 8 9 10 Copper - Cu 1 2 3 4 5 6 7 8 9 10 Iron - Fe 1 2 3 4 5 6 7 8 9 10 Mercury - Hg 1 2 3 4 5 6 7 8 9 10 Lithium - Li 1 2 3 4 5 6 7 8 9 10 Manganese - Mn 1 2 3 4 5 6 7 8 9 10 Molybdenum - Mo 1 2 3 4 5 6 7 8 9 10 Nickel - Ni 1 2 3 4 5 6 7 8 9 10 Lead - Pb 1 2 3 4 5 6 7 8 9 10 Antimony - Sb 1 2 3 4 5 6 7 8 9 10 Selenium - Se 1 2 3 4 5 6 7 8 9 10 Strontium - Sr 1 2 3 4 5 6 7 8 9 10 Titanium - Ti 1 2 3 4 5 6 7 8 9 10 Thallium - Tl 1 2 3 4 5 6 7 8 9 10 Uranium - U 1 2 3 4 5 6 7 8 9 10 Vanadium - V 1 2 3 4 5 6 7 8 9 10 Zinc - Zn 1 2 3 4 5 6 7 8 9 10 Calcium - Ca 1 2 3 4 5 6 7 8 9 10 Potassium - K 1 2 3 4 5 6 7 8 9 10 Magnesium - Mg 1 2 3 4 5 6 7 8 9 10 Sodium - Na 1 2 3 4 5 6 7 8 9 10	GS - General Chemistry Total Cyanide - CN 1 2 3 4 5 6 7 8 9 10 Available Cyanide - CN 1 2 3 4 5 6 7 8 9 10

A06456

2.2°C **Received On Ice**

Received By Lab

JAN 14 2022

Initials: AS

Chain of Custody	Relinquished by	Received By	Date / Time
	Print Name <i>Rabia Azam / MS6</i> & Org. Signature: <i>Rabia Azam</i>	<i>Schult</i>	1-14-22 14:32
	Print Name & Org. Signature:		
	Print Name & Org. Signature:		