SITE ASSESSMENT AND INTERIM SOURCE REMOVAL REPORT

SUNRISE FOOD MART #175

463152 STATE ROAD 200

YULEE, NASSAU COUNTY, FLORIDA

FACILITY IDENTIFICATION NO. 45/9802278

December 30, 2022

PREPARED FOR:

All American Oil Co.

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1.0 INTRODUCTION

1.1 SITE SUMMARY

Freeland Environmental Associates, Inc. (FEA) has prepared this Interim Source Removal Report for the Sunrise Food Mart #175 facility (the Site), located at 463152 State Road 200, Yulee, Nassau County, Florida. Previously, the facility operated as a convenience store and petroleum retail outlet consisting of a one-story building, eight dispenser islands, and one 20,000-gallon compartmentalized underground storage tank (UST). Figure 1 presents a Site Location Map. Figures 2-2A presents the most recent Site Plan.

On April 20, 2021, the regular unleaded and premium unleaded spill buckets were replaced. Closure assessment activities were conducted by FEA. At that time, elevated net vapor readings (greater than 10 parts per million [ppm]) were recorded from the regular unleaded spill bucket and the premium unleaded spill bucket locations. The laboratory results from the samples collected reported concentrations above their respective Soil Cleanup Target Levels (SCTLs) in the sample collected from a depth of 2 feet below ground surface (ft bgs) from the regular unleaded spill bucket location. Further analysis of these constituents was conducted using the Synthetic Precipitation Leachate Procedure (SPLP). The results of the SPLP analysis reported constituents in exceedance of applicable Groundwater Cleanup Target Levels (GCTLs) and Natural Attenuation Default Concentrations (NADCs). Constituent concentrations sampled for from the premium unleaded spill bucket were reported below applicable SCTL limits.

Due to the exceedances in the soil surrounding the spill bucket, a Discharge Reporting Form (DRF) was filed. Subsequently, FEA was contracted by the owner of the Site to conduct site assessment activities December 15-16, 2021. The scope of work included vadose zone soil and shallow aquifer groundwater assessment.

FEA was informed by the Property Owner in January 2022 that they were going to sell the facility and the underground storage tanks were going to be removed as part of the real estate divestiture. In consideration of the fact that the soil and groundwater analytical samples around the majority of the UST farm did not exhibit petroleum constituents of concern (CoC), FEA considered a limited source removal of the vadose zone soil on top of the tank farm an appropriate remedial strategy since the USTs were being removed from the site in 2022.

FEA returned to the site on April 27-28, 2022 for tank and source removal activities. The scope of work included removing the UST as well as excavating contaminated soils on top of the tank the UST area. The field methodologies and results of the Site Assessment and Interim Source Removal activities conducted by FEA are included herein.

2.0 SITE ASSESSMENT ACTIVITIES

2.1 SOIL SAMPLING

FEA was onsite from December 15-16, 2021 to conduct soil sampling around the tank farm to determine soil and groundwater quality proximal to the source of the release. Soil samples were collected from soil borings SB-1 through SB-12 in two-foot intervals for field screening using an Organic Vapor Analyzer (OVA) equipped with a photo ionization detector (PID) for petroleum vapors using the procedure as specified in Chapter 62-780, Florida Administrative Code (F.A.C.). Soil samples were collecting from borings SB-4, SB-9 and SB-12 from the zone with highest OVA readings and were submitted to Advanced Environmental Laboratories, Inc. (AEL) for analysis of benzene, toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX+MTBE) by Environmental Protection Agency (EPA) Method 8260B, for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D, and for total recoverable petroleum hydrocarbons (TRPH) using the FL-PRO Method. The soil boring locations are presented in Figure 3. A geologic cross section representing the soils encountered at the site during this field event is presented in Figures 5-5B.

Soil screening data and field calibration information is included with the field forms provided in Appendix A. Soil vapor screening results are presented in Table 1 and depicted on Figures 3A-B.

2.2 TEMPORARY MONITORING WELL INSTALLATION

In conjunction with the December 15-16, 2021 site assessment activities, FEA installed temporary monitoring wells TMW-1 through TMW-3 in soil borings SB-5, SB-1, and SB-11, respectively. Each temporary monitoring well was installed to 6 ft bgs and were constructed with 5 feet of 1-inch diameter PVC riser and 5 feet of 1-inch diameter pre-screen with pre-packed sand filter pack. Groundwater sampling was performed after the temporary well had been properly installed, developed, and purged until field parameters had stabilized as required. The samples were submitted to AEL for analysis of BTEX+MTBE using EPA Method 8260B, for PAHs using EPA Method 8270D, and for TRPHs using the FL-PRO Method.

Groundwater sampling data and field calibration information is included with the field forms provided in Appendix A.

2.3 SOIL ANALYTICAL RESULTS

Laboratory analytical results for the soil samples collected from December 15-16, 2021 were compared against applicable SCTLs, as defined in Chapter 62-777, F.A.C., Table II. Laboratory analytical results reported an exceedance of benzene from soil boring SB-4. The soil analytical

summaries for the samples collected on December 15-16, 2022 are provided in Tables 2A-C and depicted on Figures 3C-D. The laboratory analytical reports are included in Appendix B.

2.4 GROUNDWATER ANALYTICAL RESULTS

Laboratory analytical results for the groundwater samples collected December 15-16, 2021 were compared against applicable GCTLs. The constituents sampled for were reported below their applicable GCTLs from all temporary monitoring wells. Due to the absence of petroleum constituents in the shallow aquifer groundwater samples, FEA requests an exemption from the requirement in Chapter 62-780 FAC that requests the installation of a vertical extent monitoring well in the deeper portion of the aquifer.

Laboratory test results are summarized in Tables 3A-B and depicted on Figure 3E. The groundwater sampling logs and laboratory reports are presented in Appendices A and B, respectively.

3.0 SOURCE REMOVAL ACTIVITIES

3.1 EXCAVATION

FEA was onsite beginning April 27, 2022 for the excavation of impacted soil in the vicinity of the unleaded UST. Excavation of impacted soils was done after the removal of the one underground storage tank present at the site. Due to the operation of the trackhoe, the asphalt and concrete was damaged or destroyed across an approximately 59-foot by 36-foot area. The actual area of the excavation was limited to the vadose zone soils on top the tank farm and trending towards Dispenser 7/8. Soil samples were collected for field screening in a five-foot grid pattern at approximately one, three, and five ft bgs. Concurrent with source removal activities, soil samples were collected from each dispenser island and each product line. All samples were field screened using an OVA equipped with a PID for petroleum vapors using the procedure as specified in Chapter 62-780, F.A.C.

Four confirmatory soil samples were collected from within the vadose zone of the side-walls (north, east, south, and west) of the excavated area (1-3 ft bgs). Due to encountering the water table at approximately 5 ft bgs, a soil sample from the bottom of the excavated area was not collected. Soil samples were also collected from each dispenser island and product lines. The soil samples were submitted to AEL for analysis of BTEX+MTBE using EPA Method 8260B, for PAHs using EPA Method 8270D, and for TRPHs using the FL-PRO Method.

A total of 6.64 tons of impacted soil were excavated from around the top of the tank farm and trending east to Dispenser Island 7/8. The excavated soils were removed from the site and transported to the Otis Road Landfill for appropriate disposal. A copy of the disposal manifest is included as Appendix C.

Soil screening data and field calibration information is included with the field forms provided in Appendix D. Soil vapor screening results are presented in Table 1.

3.2 TEMPORARY MONITORING WELL INSTALLATION

On April 27, 2022 during source removal activities, FEA installed temporary monitoring well TMW-1 in the former tank pit. The temporary monitoring well was installed to 5 ft into the aquifer at the bottom of the excavated tank pit and was constructed with 5 feet of 1-inch diameter pre-screen with a pre-packed sand filter pack. Groundwater sampling was performed after the temporary well had been properly installed, developed, and purged until field parameters had stabilized as required. A groundwater sample was collected from a temporary well at the bottom of the excavated area. The samples were submitted to AEL for analysis of BTEX+MTBE using

EPA Method 8260B, for PAHs using EPA Method 8270D, and for TRPHs using the FL-PRO Method.

3.3 SOIL ANALYTICAL RESULTS

Laboratory analytical results for the soil samples collected on April 27, 2022 were compared against applicable SCTLs, as defined in Chapter 62-777, F.A.C., Table II. Laboratory analytical results reported an exceedance of benzene from the sample collected from Dispenser Island 7/8. FEA returned to the Site on May 19, 2022 to collect a confirmatory soil sample from Dispenser 7/8 after the soils had been excavated and the analytical results reported no constituents of concern above applicable SCTLs.

The soil analytical summaries for the samples collected on April 27, 2022 and May 19, 2022 are provided in Tables 2A-C and depicted on Figure 4. The laboratory analytical reports are included in Appendix E.

3.4 GROUNDWATER ANALYTICAL RESULTS

Laboratory analytical results for the groundwater sample collected on April 27, 2022 was compared against applicable GCTLs. The constituents sampled for were reported below their applicable GCTLs. Laboratory test results are summarized in Tables 3A-B, and depicted on Figure 4A. The groundwater sampling logs and laboratory reports are presented in Attachments D and E, respectively.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Impacted soils were identified during the April 2021 closure effort and the December 15-16, 2021 site assessment field activities within the vicinity of the tank farm. Impacted soils identified during the Interim Source Removal activities from April 27-28, 2022 were removed from the site in April 2022. Approximately 6.64 tons of impacted soils were removed from the site for appropriate disposal at the Otis Road Landfill in Jacksonville, Florida. The laboratory analytical results for the groundwater samples reported no exceedances from any of the samples. An exceedance of benzene was encountered during the April 27-28, 2022 source removal activities in the vicinity of dispenser island 7/8; however, a confirmatory sample collected after the excavation did not report any petroleum constituents of concern in excess of the established SCTLs.

Based upon the data collected at the site, FEA believes the contaminated soils migrated along the product line piping run towards Dispenser Island 7/8. The petroleum impacted soils were excavated during the source removal at the site; consequently, FEA recommends No Further Assessment (NFA) for the 2021 non-program release.

PROFESSIONAL CERTIFICATION

INTERIM SOURCE REMOVAL REPORT

Sunrise Food Mart #175

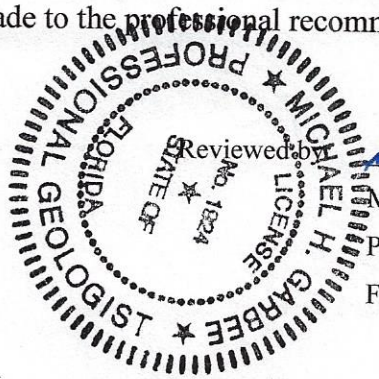
463152 State Road 200, Yulee, Nassau County, Florida

FDEP Facility ID Number: 45/9802278

This Site Assessment and Interim Source Removal Report prepared for the Sunrise Food Mart #175 site, located at 463152 State Road 200, Yulee, Nassau County, Florida, (FDEP Facility ID No. 45/9802278), has been prepared and reviewed by Emily MacFarland and Michael Garbee, P.G., from Freeland Environmental Associates, Inc., in accordance with Chapter 62-780, Florida Administrative Code requirements.

This report complies with the current standards and practices in the field of geology in the State of Florida. Our professional services have been performed using the degree of skill ordinarily exercised under similar circumstances by other registered professionals practicing in this field. All drawings, reports, plats, or other information contained herein have been prepared or approved by the undersigned geologist or a subordinate employee under his direction.

This report is certified only to the current Site Owner, its environmental insurance provider, the State of Florida, and the Florida Department of Environmental Protection. Otherwise, no warranty, expressed or implied, is made to the professional recommendations contained in this report.



Reviewed by:

Michael Garbee, P.G.

Principal Scientist

Florida License No. PG1924

Date: 12/30/22

FREELAND
Environmental Associates, Inc.

TABLES

TABLE 1: FIELD SCREENING SUMMARY

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

SAMPLE			OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FTBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
Premium North	04/20/21	1	266		266	
		2	314		314	
Premium South	04/20/21	1	217		217	
		2	858		858	Lab Sample
Premium East	04/20/21	1	605		605	
		2	421		421	
Premium West	04/20/21	1	290		290	
		2	452		452.0	
Unleaded North	04/20/21	1	896		896	
		2	1453		1453	
		2(SW)	942		942	
Unleaded East	04/20/21	1	1002		1002	
		2	4021		4021	Lab Sample
		2(SW)	3850		3850	
Unleaded South	04/20/21	1	319		319	
		2	648		648	
		2(SW)	386		386	
Unleaded West	04/20/21	1	2017		2017	
		2	751		751	
		2(SW)	47		47	
SB-1	12/16/21	1	0		0	
		3	0		0	
		5	0		0	
		7	0		0	
SB-2	12/15/21	1	21		21	
		3	24		24	
		5	1		1	
SB-3	12/15/21	1	34.5		34.5	
		3	11.8		11.8	
		5	0.0		0.0	
SB-4	12/15/21	1	20.4		20.4	Lab Sample
		3	7.6		7.6	
		5	0.0		0.0	
SB-5	12/15/21	1	0.4		0.4	
		3	0.0		0.0	
		5	0.0		0.0	
		7	0.0		0.0	
SB-6	12/15/21	1	0.0		0.0	
		3	0.0		0.0	
		5	0.0		0.0	
SB-7	12/15/21	1	0.0		0.0	
		3	0.0		0.0	
		5	0.0		0.0	
SB-8	12/15/21	1	1.2		1.2	
		3	0.3		0.3	
		5	0.0		0.0	
SB-9	12/15/21	1	0.5		0.5	
		3	2.2		2.2	
		5	3.4		3.4	Lab Sample
SB-10	12/16/21	1	0.0		0.0	
		3	0.5		0.5	
		5	0.4		0.4	
SB-11	12/16/21	1	6.4		6.4	
		3	11.6		11.6	
		5	0.3		0.3	
		7	0.0		0.0	

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SAMPLE			OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FTBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-12	12/16/21	1	0.0		0.0	Lab Sample
		3	0.0		0.0	
		5	0.2		0.2	
TMW-1	12/15/21	1	0.0		0.0	
		3	0.0		0.0	
		5	0.0		0.0	
TMW-2	12/15/21	1	0.0		0.0	
		3	0.5		0.5	
		5	0.4		0.4	
TMW-3	12/15/21	1	6.4		6.4	
		3	11.6		11.6	
		5	0.3		0.3	
A1	04/27/22	1	0.0		0.0	
		3	0.2		0.2	
		5	0.2		0.2	
A2	04/27/22	1	1.5		1.5	
		3	0.3		0.3	
		5	0.2		0.2	
A3	04/27/22	1	0.1		0.1	
		3	0.7		0.7	
		5	0.1		0.1	
A4	04/27/22	1	0.3		0.3	
		3	0.4		0.4	
		5	0.7		0.7	
A5	04/27/22	1	0.1		0.1	
		3	0.1		0.1	
		5	0.2		0.2	
A6	04/27/22	1	0.0		0.0	
		3	0.0		0.0	
		5	0.2		0.2	
A7	04/27/22	1	0.1		0.1	
		3	0.0		0.0	
		5	0.2		0.2	
A8	04/27/22	1	0.1		0.1	
		3	0.0		0.0	
		5	0.2		0.2	
A9	04/27/22	1	0.4		0.4	
		3	0.3		0.3	
		5	0.0		0.0	
B1	04/27/22	1	0.0		0.0	
		3	0.0		0.0	
		5	Tank		Tank	
B2	04/27/22	1	0.1		0.1	
		3	0.2		0.2	
		5	Tank		Tank	
B3	04/27/22	1	0.7		0.7	
		3	0.3		0.3	
		5	Tank		Tank	
B4	04/27/22	1	0.1		0.1	
		3	0.1		0.1	
		5	Tank		Tank	
B5	04/27/22	1	0.2		0.2	
		3	0.2		0.2	
		5	Tank		Tank	

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Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

SAMPLE			OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FTBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
B6	04/27/22	1	9.8		9.8	
		3	11.2		11.2	
		5	Tank		Tank	
B7	04/27/22	1	119.3		119.3	
		3	Refusal		Refusal	
		5	Tank		Tank	
B8	04/27/22	1	448.1		448.1	
		3	500.0		500.0	
		5	Tank		Tank	
B9	04/27/22	1	113.2		113.2	
		3	38.8		38.8	
		5	Tank		Tank	
C1	04/27/22	1	0.0		0.0	
		3	0.0		0.0	
		5	Tank		Tank	
C2	04/27/22	1	0.0		0.0	
		3	1.6		1.6	
		5	Tank		Tank	
C3	04/27/22	1	0.8		0.8	
		3	2.5		2.5	
		5	Tank		Tank	
C4	04/27/22	1	12.4		12.4	
		3	12.1		12.1	
		5	Tank		Tank	
C5	04/27/22	1	6.1		6.1	
		3	26.8		26.8	
		5	Tank		Tank	
C6	04/27/22	1	Sump		Sump	
		3	Sump		Sump	
		5	Tank		Tank	
C7	04/27/22	1	22.9		22.9	
		3	61.0		61.0	
		5	Tank		Tank	
C8	04/27/22	1	15.1		15.1	
		3	40.0		40.0	
		5	Tank		Tank	
C9	04/27/22	1	8.5		8.5	
		3	7.5		7.5	
		5	Tank		Tank	
D1	04/27/22	1	0.0		0.0	
		3	0.5		0.5	
		5	0.4		0.4	
D2	04/27/22	1	0.0		0.0	
		3	0.5		0.5	
		5	0.7		0.7	
D3	04/27/22	1	0.0		0.0	
		3	0.1		0.1	
		5	0.1		0.1	
D4	04/27/22	1	0.0		0.0	
		3	0.2		0.2	
		5	0.4		0.4	
D5	04/27/22	1	0.1		0.1	
		3	0.1		0.1	
		5	0.0		0.0	

TABLE 1: FIELD SCREENING SUMMARY

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

SAMPLE			OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FTBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
D6	04/27/22	1	0.1		0.1	
		3	0.1		0.1	
		5	0.2		0.2	
D7	04/27/22	1	0.0		0.0	
		3	0.0		0.0	
		5	0.3		0.3	
D8	04/27/22	1	0.1		0.1	
		3	0.1		0.1	
		5	0.2		0.2	
D9	04/27/22	1	0.1		0.1	
		3	0.4		0.4	
		5	1.2		1.2	
DI 1/2	04/26/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
DI 3/4	04/26/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
DI 5/6	04/27/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
DI 7/8	04/27/22	1	7.5		7.5	
		2	2.1		2.1	Lab Sample
		3	5.2		5.2	
		4	Roots		Roots	
DI 9/10	04/26/22	1	0.0		0.0	
		2	0.0		0.0	
		3	0.0		0.0	Lab Sample
		4	0.0		0.0	
DI 11/12	04/26/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
PL-1	04/26/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
PL-2	04/26/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
PL-3	04/27/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
PL-4	04/27/22	1	0.0		0.0	
		2	0.0		0.0	Lab Sample
		3	0.0		0.0	
		4	0.0		0.0	
DI 7/8 (conf)	05/19/22	1	2.1		2.1	
		2	0.0		0.0	Lab Sample
		3	0.2		0.2	

Notes:
ftbls = feet below land surface
ppm = parts per million

TABLE 2A: LABORATORY ANALYTICAL SUMMARY - VOAs, TRPHs and Metals

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

Sample				OVA	Laboratory Analyses									
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzene (mg/kg)	Ethyl-benzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPHs (mg/kg)	Arsenic (mg/kg)	Cad-mium (mg/kg)	Chro-mium (mg/kg)	Lead (mg/kg)
Leachability Based on Groundwater Criteria (mg/kg)					0.007	0.6	0.5	0.2	0.09	340		7.5	38	
Direct Exposure Residential (mg/kg)					1.2	1500	7500	130	4400	460	2.1	82	210	400
REG SB (2ft - E)	4/20/2021	NA	2	4,021	**0.074 U**	0.074 U	0.074 U	**1.8**	0.074 U	**590**	NS	NS	NS	NS
PREM SB (2FT - S)	4/20/2021	NA	2	858	0.00083 U	0.032	0.0012 I	0.15	0.03	83	NS	NS	NS	NS
SB-4	12/15/2021	4	1	20	**0.018**	0.00039 U	0.0027 I	0.0018 I	0.0011 U	7.4 I	NS	NS	NS	NS
SB-9	12/15/2021	4	5	3	0.0050 U	0.00036 U	0.00037 U	0.0013 U	0.0011 I	12 I	NS	NS	NS	NS
SB-12	12/16/2021	4	1	0	0.00052 U	0.00037 U	0.00039 U	0.0014 U	0.0010 U	5.7 I	NS	NS	NS	NS
North Wall	4/27/2022	4	3.5	0	0.0010 U	0.0010 U	0.0010 U	0.0030 U	0.0010 U	53 U	NS	NS	NS	NS
East Wall	4/27/2022	4	3.5	0	0.0011 U	0.0011 U	0.0011 U	0.0033 U	0.0011 U	11 U	NS	NS	NS	NS
South Wall	4/27/2022	4	3.5	0	0.00098 U	0.00098 U	0.00098 U	0.0029 U	0.00098 U	11 U	NS	NS	NS	NS
West Wall	4/27/2022	4	3.5	0	0.00091 U	0.00091 U	0.00091 U	0.0027 U	0.00091 U	58 U	NS	NS	NS	NS
DI 1/2	4/27/2022	NA	2	0	0.0010 U	0.0010 U	0.0010 U	0.0090 I	0.0010 U	10 U	NS	NS	NS	NS
DI 3/4	4/27/2022	NA	2	0	0.00099 U	0.00099 U	0.00099 U	0.0030 U	0.00099 U	11 U	NS	NS	NS	NS
DI 5/6	4/27/2022	NA	2	0	0.00097 U	0.00097 U	0.00097 U	0.0029 U	0.00097 U	54 U	NS	NS	NS	NS
DI 7/8	4/27/2022	NA	2	2.1	**0.089 I**	**0.92**	**1.4**	**4.4**	**2.6**	58 U	NS	NS	NS	NS
DI 9/10	4/27/2022	NA	3	0	0.00094 U	0.00094 U	0.00094 U	0.0028 U	0.00094 U	57 U	NS	NS	NS	NS
DI 11/12	4/27/2022	NA	2	0	0.00085 U	0.00085 U	0.00091 I	0.0026 U	0.00085 U	59 U	NS	NS	NS	NS
PL-1	4/27/2022	NA	2	0	0.00094 U	0.00094 U	0.00094 U	0.0028 U	0.00094 U	10 U	NS	NS	NS	NS
PL-2	4/27/2022	NA	2	0	0.0011 U	0.0011 U	0.0011 U	0.0034 U	0.0011 U	61 U	NS	NS	NS	NS
PL-3	4/27/2022	NA	2	0	0.0011 U	0.0011 U	0.0011 U	0.0033 U	0.0011 U	10 U	NS	NS	NS	NS
PL-4	4/27/2022	NA	2	0	0.0010 U	0.0010 U	0.0010 U	0.0031 U	0.0010 U	10 U	NS	NS	NS	NS
DI 7/8 (CONF)	5/19/2022	NA	2	0	0.00045 U	0.00032 U	0.00033 U	0.0012 U	0.00089 U	29	NS	NS	NS	NS

Notes:
NA = Not Available.
NS = Not Sampled.
* = Leachability value may be determined using TCLP.
I = Result >= MDL but < PQL
a = Suspected laboratory contaminant
V = Indicates analyte found in associated method blank

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 2B: LABORATORY ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

Sample				OVA	Laboratory Analyses										
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Naph-thalene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)	Acen-aph-thene (mg/kg)	Acen-aph-thylene (mg/kg)	Anthra-cene (mg/kg)	Benzo (g,h,i) pery-lene (mg/kg)	Fluoran-thene (mg/kg)	Fluor-ene (mg/kg)	Phenan-threne (mg/kg)	Pyrene (mg/kg)
Leachability Based on Groundwater Criteria (mg/kg)					1.2	3.1	8.5	2.1	27	2500	32000	1200	160	250	880
Direct Exposure Residential (mg/kg)					55	200	210	2400	1800	21000	2500	3200	2600	2200	2400
REG SB (2ft - E)	4/20/2021	NA	2	4,021	**15**	**11**	**23**	0.09 I	0.042 U	0.064 I	0.042 U	0.042 U	0.14	0.16	0.058 I
PREM SB (2FT - S)	4/20/2021	NA	2	858	0.068	0.099	0.13	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0068 I	0.0076 I	0.0044 U
SB-4	12/15/2021	4	1	20	0.0021 U	0.0019 U	0.0025 U	0.0019 U	0.0022 U	0.0031 U	0.0024 U	0.0034 U	0.0027 U	0.0027 U	0.0029 U
SB-9	12/15/2021	4	5	3	0.0018 U	0.0017 U	0.0022 U	0.0016 U	0.0019 U	0.0027 U	0.0031 I	0.0030 U	0.0023 U	0.0023 U	0.0034 I
SB-12	12/16/2021	4	1	0	0.0018 U	0.0016 U	0.0021 U	0.0016 U	0.0020 I	0.0026 U	0.0048 I	0.0056 I	0.0023 U	0.0035 I	0.0089
North Wall	4/27/2022	4	3.5	0	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
East Wall	4/27/2022	4	3.5	0	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U
South Wall	4/27/2022	4	3.5	0	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
West Wall	4/27/2022	4	3.5	0	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
DI 1/2	4/27/2022	NA	2	0	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U
DI 3/4	4/27/2022	NA	2	0	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U
DI 5/6	4/27/2022	NA	2	0	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
DI 7/8	4/27/2022	NA	2	2.1	0.32	0.13	0.12	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
DI 9/10	4/27/2022	NA	3	0	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U
DI 11/12	4/27/2022	NA	2	0	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
PL-1	4/27/2022	NA	2	0	0.012	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U
PL-2	4/27/2022	NA	2	0	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
PL-3	4/27/2022	NA	2	0	0.0061 I	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U
PL-4	4/27/2022	NA	2	0	0.011	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U
DI 7/8 Conf)	5/19/2022	NA	2	0	0.0017 U	0.0016 U	0.0020 U	0.0015 U	0.0018 U	0.0025 U	0.012	0.014	0.0021 U	0.0042 I	0.012

Notes: NA = Not Available.
NS = Not Sampled.
I = Result >= MDL but < PQL
a = Suspected laboratory contaminant

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 2C: LABORATORY ANALYTICAL SUMMARY - Carcinogenic PAHs

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

Sample				OVA	Laboratory Analyses							
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzo (a) pyrene (mg/kg)	Benzo (a) anthra-cene (mg/kg)	Benzo (b) fluoran-thene (mg/kg)	Benzo (k) fluoran-thene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthra-cene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)
Leachability Based on Groundwater Criteria (mg/kg)					8	0.8	2.4	24	77	0.7	6.6	
Direct Exposure Residential (mg/kg)					0.1							0.1
REG SB (2ft - E)	4/20/2021	NA	2	4,021	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	NC
PREM SB (2FT - S)	4/20/2021	NA	2	858	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	NC
SB-4	12/15/2021	4	1	20	0.0021 U	0.0025 U	0.0022 I	0.0029 U	0.0036 U	0.0021 U	0.0029 U	NC
SB-9	12/15/2021	4	5	3	0.0027 I	0.0022 I	0.0049 I	0.0025 U	0.0031 U	0.0018 U	0.0032 I	NC
SB-12	12/16/2021	4	1	0	0.0054 I	0.0044 I	0.0078 I	0.0029 I	0.0063 I	0.0018 U	0.0045 I	NC
North Wall	4/27/2022	4	3.5	0	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	NC
East Wall	4/27/2022	4	3.5	0	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	NC
South Wall	4/27/2022	4	3.5	0	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	NC
West Wall	4/27/2022	4	3.5	0	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	NC
DI 1/2	4/27/2022	NA	2	0	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	NC
DI 3/4	4/27/2022	NA	2	0	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	NC
DI 5/6	4/27/2022	NA	2	0	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	NC
DI 7/8	4/27/2022	NA	2	2.1	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	NC
DI 9/10	4/27/2022	NA	3	0	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	NC
DI 11/12	4/27/2022	NA	2	0	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	NC
PL-1	4/27/2022	NA	2	0	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	NC
PL-2	4/27/2022	NA	2	0	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NC
PL-3	4/27/2022	NA	2	0	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	NC
PL-4	4/27/2022	NA	2	0	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	NC
DI 7/8 (Conf)	5/19/2022	NA	2	0	0.0096	0.0064 I	0.015	0.0055 I	0.01	0.0023 I	0.011	0.015

Notes: NA = Not Available. NC = Not Caculated

NS = Not Sampled.

** = Leachability value not applicable.

= Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	Sunrise Food Mart #175
Location:	463152 SR 200, Yulee
Facility/Site ID No.:	45/9802278
Soil Sample No.	Conf. 7/8
Sample Date	5/19/2022
Location:	Conf. 7/8
Depth (ft):	2

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0096	1.0	0.0096
Benzo(a)anthracene	0.0064	0.1	0.0006
Benzo(b)fluoranthene	0.0150	0.1	0.0015
Benzo(k)fluoranthene	0.0055	0.01	0.0001
Chrysene	0.0100	0.001	0.0000
Dibenz(a,h)anthracene	0.0023	1.0	0.0023
Indeno(1,2,3-cd)pyrene	0.0110	0.1	0.0011

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.015205

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

TABLE 3A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs and Metals

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total VOAs (µg/L)	MTBE (µg/L)	EDB (µg/L)	1,2-Di-chloro-ethane (µg/L)	Total Arsenic (µg/L)	Total Cad-mium (µg/L)	Total Chro-mium (µg/L)	Total Lead (µg/L)
Chapter 62-780, F.A.C. GCTLs		1	40	30	20	NA	20	0.02	**	**	**	**	15.00
Chapter 62-780, F.A.C. NADCs		100	400	300	200	NA	200	2.00	**	**	**	**	150.00
REG SB(2FT - E)	4/20/2021	0.25 U	0.25 U	1.2	**170**	171.7 U	**21 J4**	NS	NS	NS	NS	NS	NS
PREM SB (2FT - S)	4/20/2021	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TMW-1	12/15/2021	0.28 U	0.66 U	0.56 U	1.3 U	2.8	0.71 U	NS	NS	NS	NS	NS	NS
TMW-2	12/16/2021	0.28 U	0.66 U	0.56 U	1.3 U	2.8	0.71 U	NS	NS	NS	NS	NS	NS
TMW-3	12/16/2021	0.28 U	0.66 U	0.56 U	1.3 U	3	0.71 U	NS	NS	NS	NS	NS	NS
TMW-1	4/27/2022	0.25 U	0.25 U	0.25 U	0.75 U	2	0.52 I	NS	NS	NS	NS	NS	NS

Notes:

NA = Not Available.

NS = Not Sampled.

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

** = As provided in Chapter 62-520, F.A.C.

[a] = Associated CCV outside of control limits high, sample was ND

I = Results >= MDL but < PQL

J4 = Estimated Result

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

TABLE 3B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs

Facility ID: 49/9802278 **Facility Name: Sunrise Food Mart No. 175**

Sample		TRPHs	Naph-thalene	1-Methyl-naph-thalene	2-Methyl-naph-thalene	Acen-aph-thene	Acen-aph-thylene	Anthra-cene	Benzo (g,h,i) pery-lene	Fluoran-thene	Fluor-ene	Phenan-threne	Pyrene	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chry-sene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Chapter 62-780, F.A.C. GCTLs		5,000	14	28	28	20	210	2,100	210	280	280	210	210	0.2**	0.05[a]	0.05[a]	0.5	4.8	0.005[a]	0.05[a]
Chapter 62-780, F.A.C. NADCs		50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5
REG SB(2FT - E)	4/20/2021	NS	**370 Q**	**150 Q**	**270 Q**	1.6 Q	0.17 U,Q	0.43 Q	0.19 U,Q	0.15 U,Q	2.2 Q	2.6 Q	0.36 Q	0.15 U,Q	0.049 U,Q	0.050 U,Q	0.19 U,Q	0.13 U,Q	**0.095 U,Q**	0.045 U,Q
PREM SB (2FT - S)	4/20/2021	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TMW-1	12/15/2021	580 U	0.077 I	0.048 I	0.054 I	0.043 I	0.033 U	0.054 U	0.046 U	0.073 I	0.063 I	0.11 I	0.070 I	0.037 U	0.043 U	0.044 U	0.028 U	0.031 U	0.054 U	0.043 U
TMW-2	12/16/2021	570 U	0.059 I	0.043 U	0.032 U	0.028 U	0.032 U	0.053 U	0.045 U	0.038 U	0.038 U	0.036 U	0.037 U	0.036 U	0.042 U	0.043 U	0.027 U	0.031 U	0.053 U	0.042 U
TMW-3	12/16/2021	540 U	0.052 U	0.040 U	0.031 U	0.026 U	0.030 U	0.050 U	0.042 U	0.035 U	0.036 U	0.034 U	0.035 U	0.034 U	0.040 U	0.041 U	0.026 U	0.029 U	0.050 U	0.040 U
TMW-1	4/27/2022	600 U	0.19 U	0.20 U	0.20 U	0.16 U	0.17 U	0.14 U	0..095 U	0.15 U	0.15 U	0.16 U	0.14 U	0.15 U	0.049 U	0.050 U	0.19 U	0.13 U	0.095 U	0.045 U

Notes:
NA = Not Available.
NS = Not Sampled.
GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.
** = As provided in Chapter 62-550, F.A.C.
[a] = Associated CCV outside of control limits high, sample was ND
I = Results >= MDL but < PQL

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].
Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

FIGURES

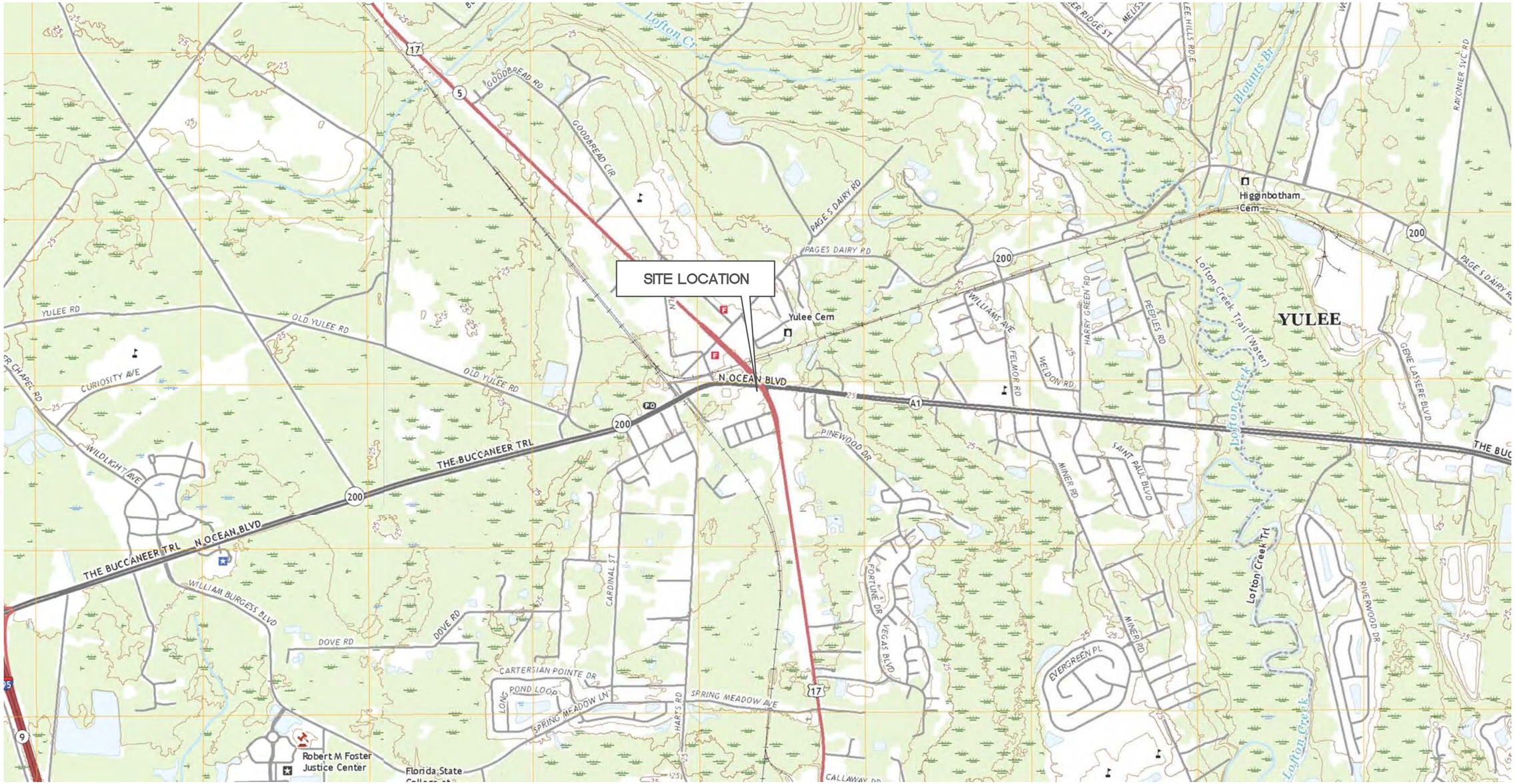


Image Cite: U.S. Geological Survey, Mosaic of 1:24,000–Scale Quadrangles, Saint Marys, Georgia (2020); Gross, Florida (2021); Hedges, Florida (2021); and Italia, Florida (2021).

QUADRANGLE LOCATION

N

0 2000'

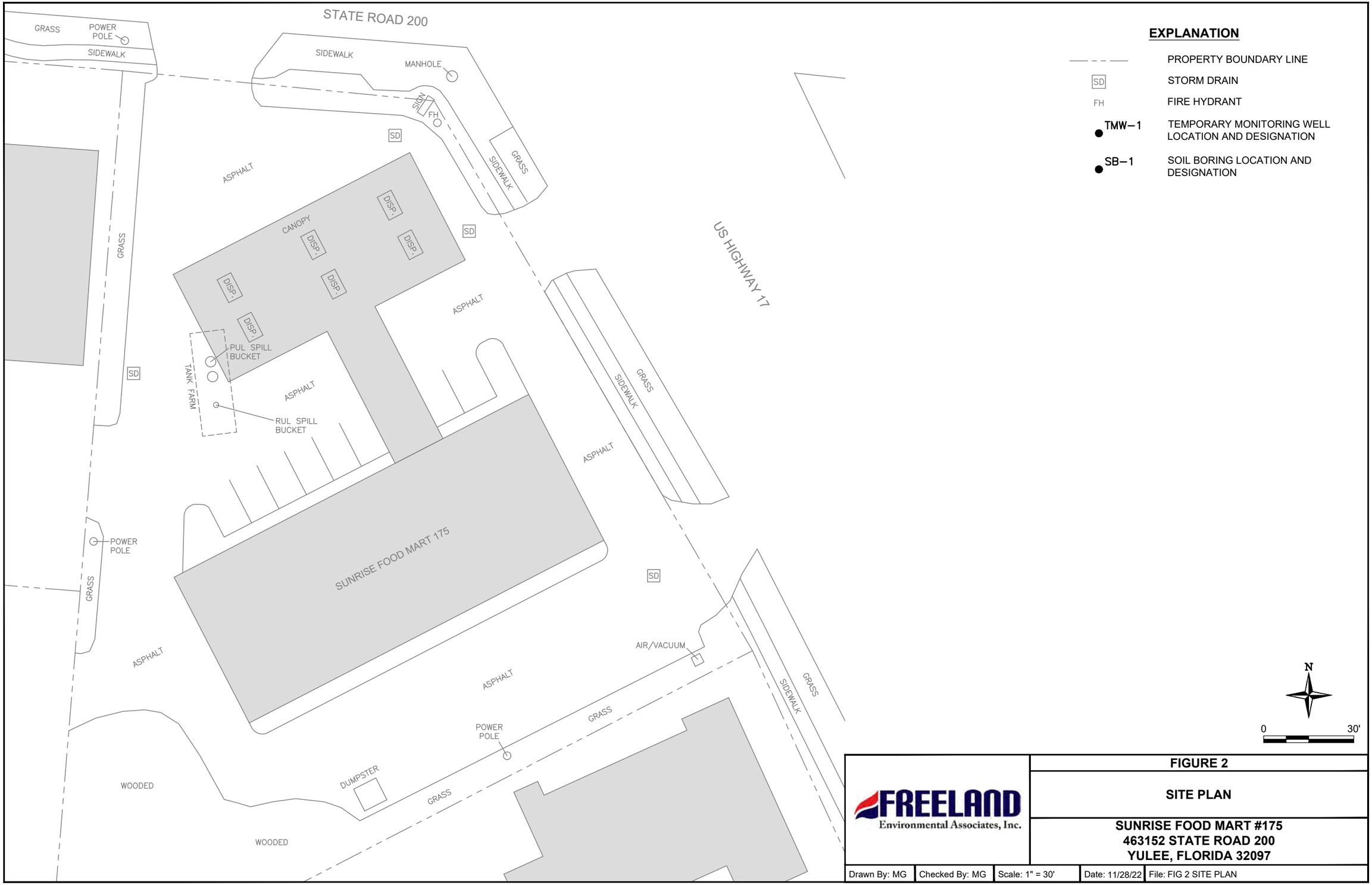
FREELAND Environmental Associates, Inc.

FIGURE 1

SITE LOCATION MAP

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: 1" = 2000'	Date: 6/4/22	File: FIG 1 SITE LOCATION MAP



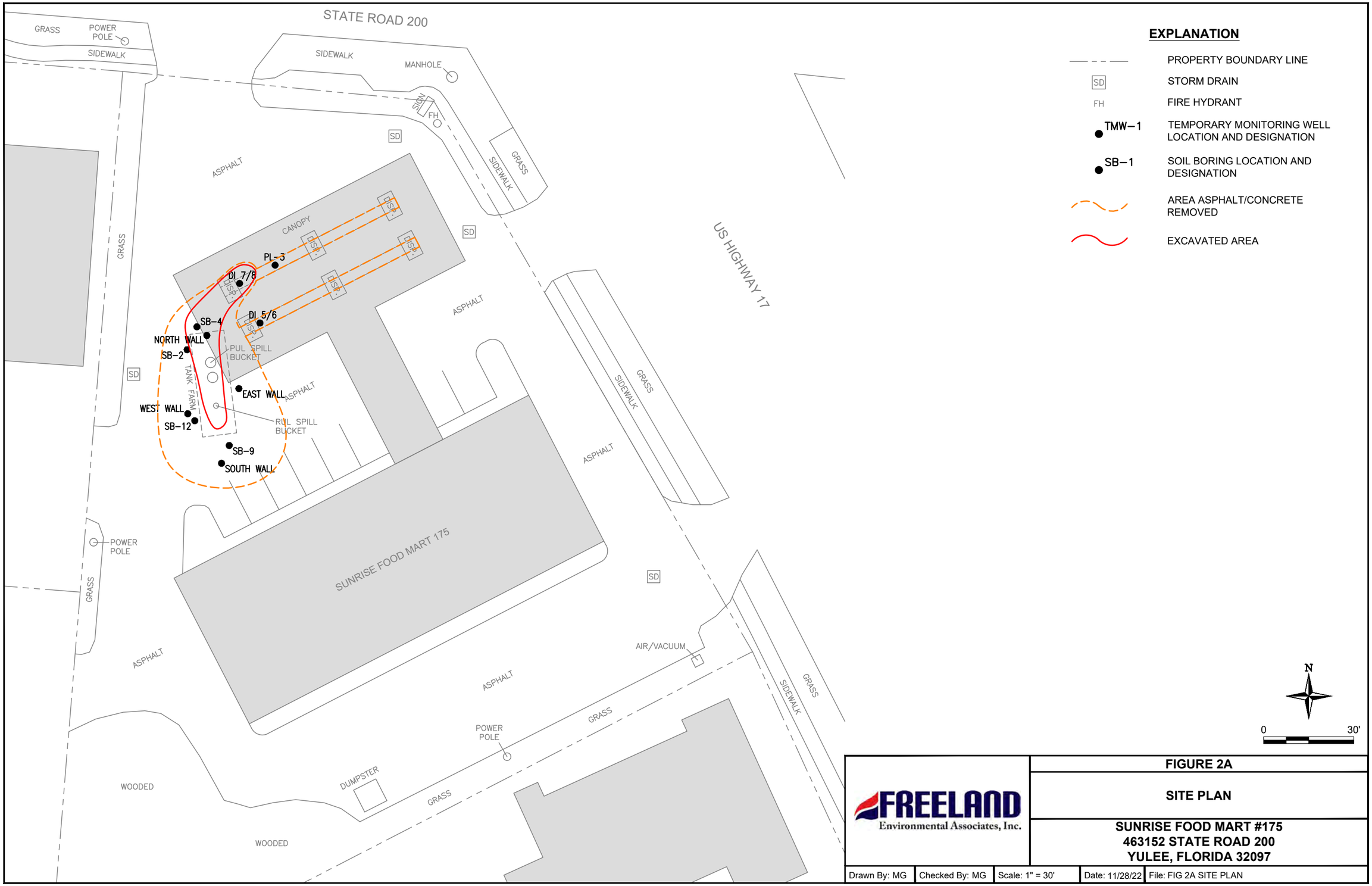
FREELAND Environmental Associates, Inc.

FIGURE 2

SITE PLAN

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 11/28/22	File: FIG 2 SITE PLAN



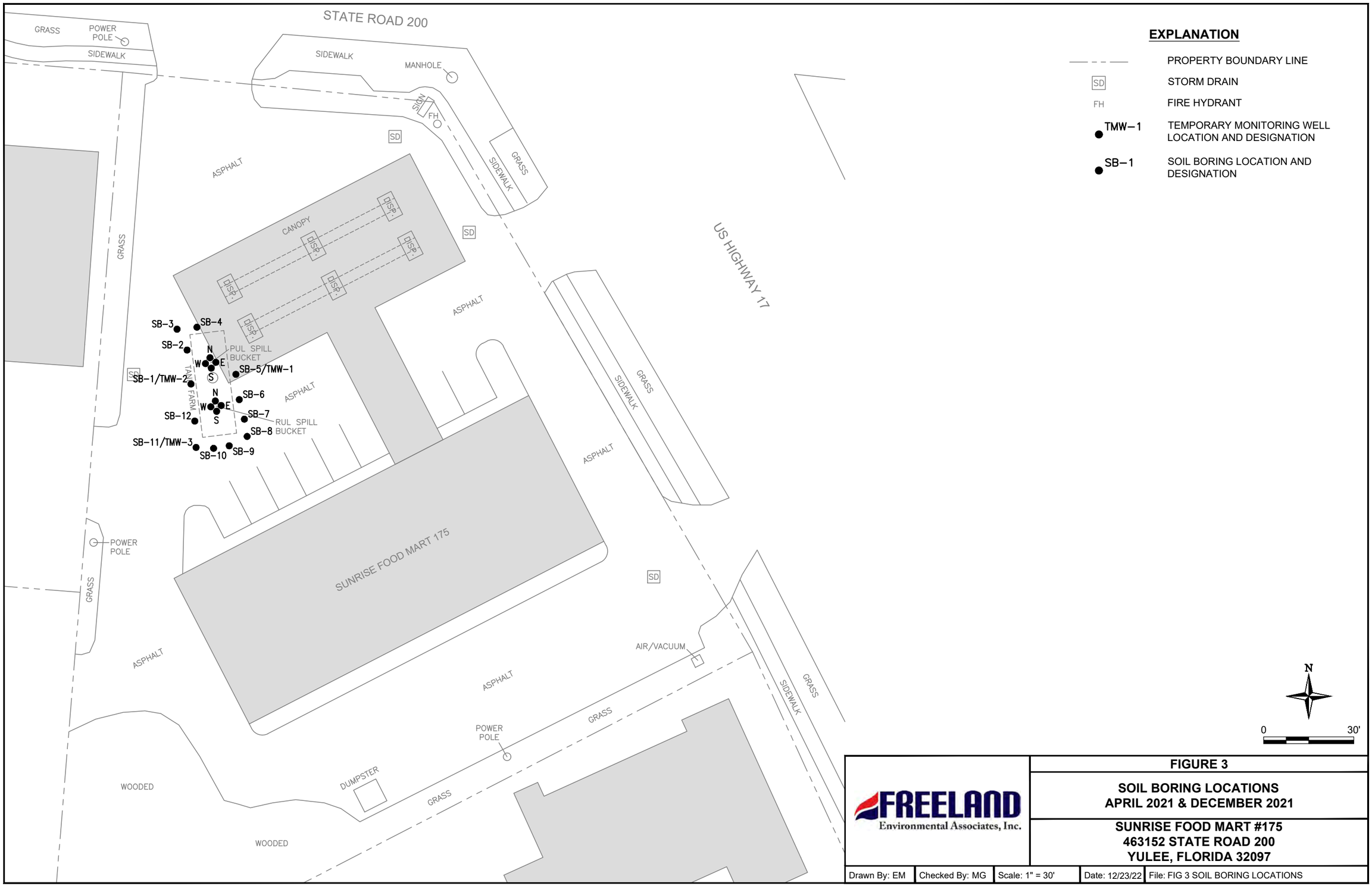
FREELAND Environmental Associates, Inc.

FIGURE 2A

SITE PLAN

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 11/28/22	File: FIG 2A SITE PLAN



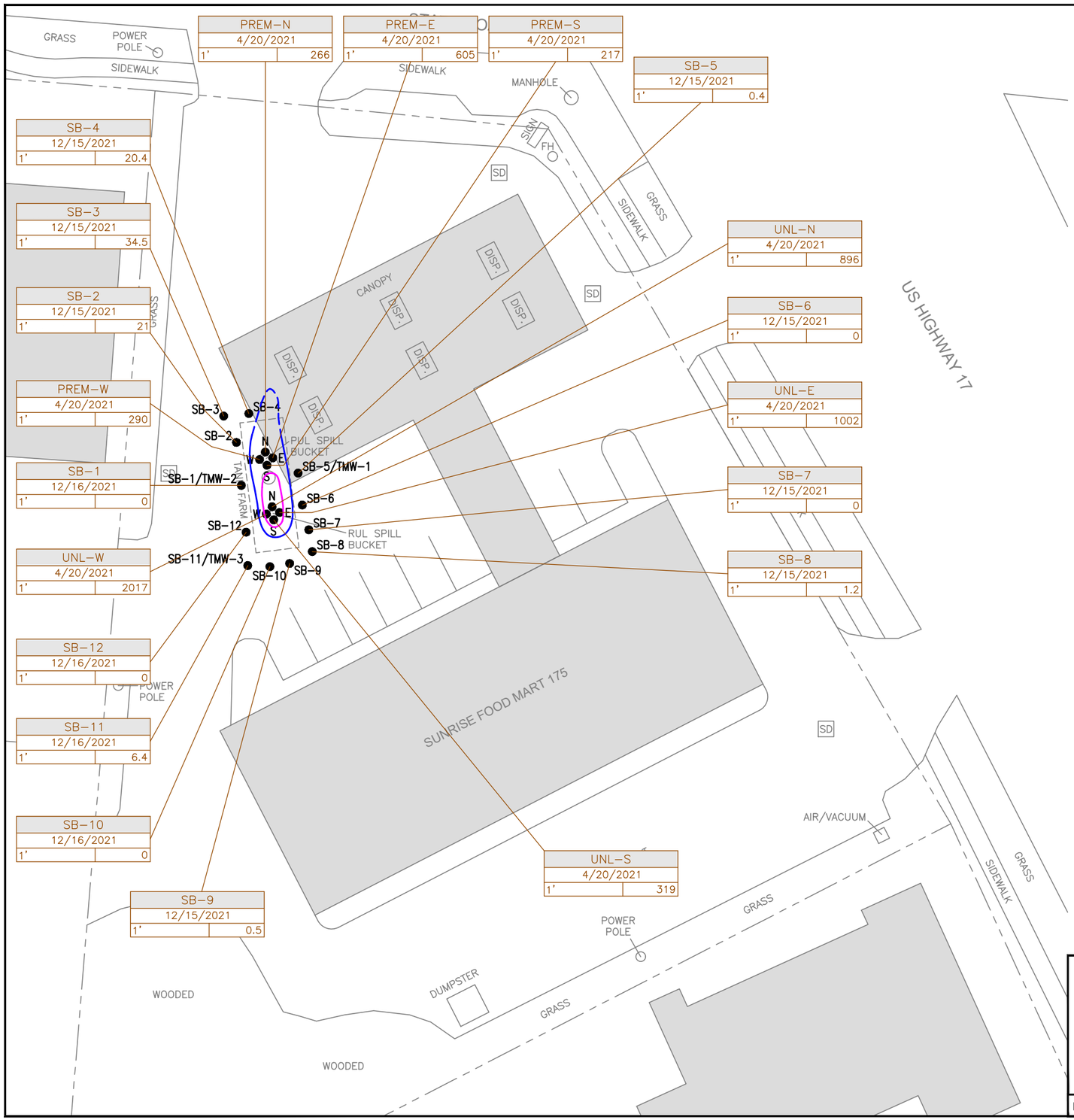
FREELAND Environmental Associates, Inc.

FIGURE 3

SOIL BORING LOCATIONS
APRIL 2021 & DECEMBER 2021

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: 1" = 30'	Date: 12/23/22	File: FIG 3 SOIL BORING LOCATIONS



EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW–1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB–1 — SOIL BORING LOCATION AND DESIGNATION
- 100 PPM
- 1000 PPM

OVA TABLE EXPLANATION

WELL DESIGNATION → / SAMPLE DATE →	SB–1	
	12/16/2021	
SAMPLE DEPTH (FT BGS)	1'	0
	2'	0
	3'	0
	4'	0

NET ORGANIC VAPOR ANALYZER READINGS IN (PPM)

NOTES:

1. WELLS NOT MEASURED IN THIS EVENT ARE SHOWN IN GRAY COLOR
2. ALL VALUES ARE IN PARTS PER MILLION (PPM)
2. FT BGS = FEET BELOW GROUND SURFACE
3. OVA = ORGANIC VAPOR ANALYZER
4. PPM = PARTS PER MILLION

N

0 30'

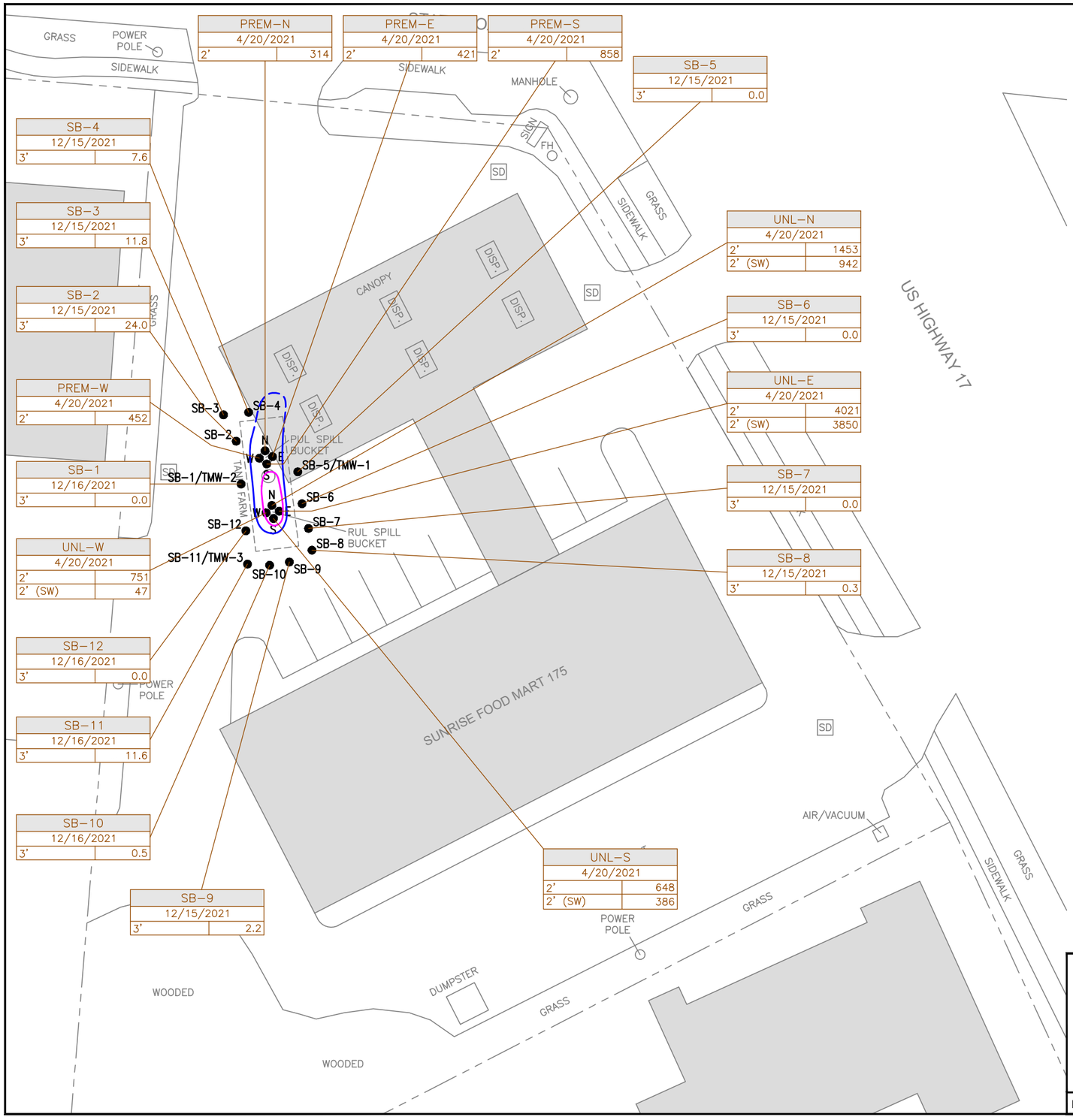
FREELAND Environmental Associates, Inc.

FIGURE 3A

NET VAPOR SUMMARY - 1 FT
APRIL 20, 2021 & DECEMBER 15-16, 2021

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 12/2/22	File: FIG 3A NET VAPOR SUMMARY - 1 FT



EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW–1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB–1 — SOIL BORING LOCATION AND DESIGNATION
- 100 PPM
- 1000 PPM

OVA TABLE EXPLANATION

WELL DESIGNATION → / SAMPLE DATE →	SB–1	
	12/16/2021	
SAMPLE DEPTH (FT BGS)	1'	0
	2'	0
	3'	0
	4'	0

NET ORGANIC VAPOR ANALYZER READINGS IN (PPM)

NOTES:

1. WELLS NOT MEASURED IN THIS EVENT ARE SHOWN IN GRAY COLOR
2. ALL VALUES ARE IN PARTS PER MILLION (PPM)
2. FT BGS = FEET BELOW GROUND SURFACE
3. OVA = ORGANIC VAPOR ANALYZER
4. PPM = PARTS PER MILLION

N

0 30'

FREELAND Environmental Associates, Inc.

FIGURE 3B

NET VAPOR SUMMARY - 2-3 FT
APRIL 20, 2021 & DECEMBER 15-16, 2021

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 12/2/22	File: FIG 3B NET VAPOR SUMMARY - 2-3 FT

SB-4	
12/15/2021	
B	**0.018**
T	0.0027 I
E	0.00039 U
X	0.0018 I
MTBE	0.0011 U
N	0.0021 U
1-MN	0.0019 U
2-MN	0.0025 U
TRPH	7.4 I

PREMIUM-SB	
4/20/2021	
B	0.0084
T	0.012 I
E	0.032
X	0.15
MTBE	0.03
N	0.068
1-MN	0.099
2-MN	0.13
TRPH	83

SB-12	
12/16/2021	
B	0.00052 U
T	0.00039 U
E	0.00037 U
X	0.0014 U
MTBE	0.0010 U
N	0.0018 U
1-MN	0.0016 U
2-MN	0.0021 U
TRPH	5.7 I

SB-9	
12/15/2021	
B	0.0050 U
T	0.00037 U
E	0.00036 U
X	0.0013 U
MTBE	0.0011 I
N	0.0018 U
1-MN	0.0017 U
2-MN	0.0022 U
TRPH	12 I

REG-SB	
4/20/2021	
B	0.074 U
T	0.074 U
E	0.074 U
X	1.8
MTBE	0.074
N	15.0
1-MN	11.0
2-MN	23.0
TRPH	590.0

EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW-1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB-1 — SOIL BORING LOCATION AND DESIGNATION

ANALYTE TABLE EXPLANATION

	SB-1
SOIL BORING DESIGNATION →	
SAMPLE DATE →	5/19/2022
BENZENE →	B 0.007
TOLUENE →	T 0.5
ETHYLBENZENE →	E 0.6
TOTAL XYLENES →	X 0.2
MTBE →	MTBE 0.09
NAPHTHALENE →	N 1.2
1-METHYLNAPHTHALENE →	1-MN 3.1
2-METHYLNAPHTHALENE →	2-MN 8.5
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS →	TRPH 340

VALUES SHOWN ARE FLORIDA'S SOIL CLEANUP TARGET LEVELS FOR LEACHABILITY IN mg/kg

NOTES:

1. ALL VALUES ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)
2. VALUES IN **BOLD AND BLACK COLOR** EXCEED FLORIDA'S SOIL CLEANUP TARGET LEVELS FOR LEACHABILITY
3. I = ANALYTE CONCENTRATION WAS ABOVE THE METHOD DETECTION LIMIT AND BELOW THE PRACTICAL QUANTITATION LIMIT
4. U = ANALYTE WAS NOT DETECTED
5. PPM = PARTS PER MILLION
6. FT BGS = FEET BELOW GROUND SURFACE

N

0 30'

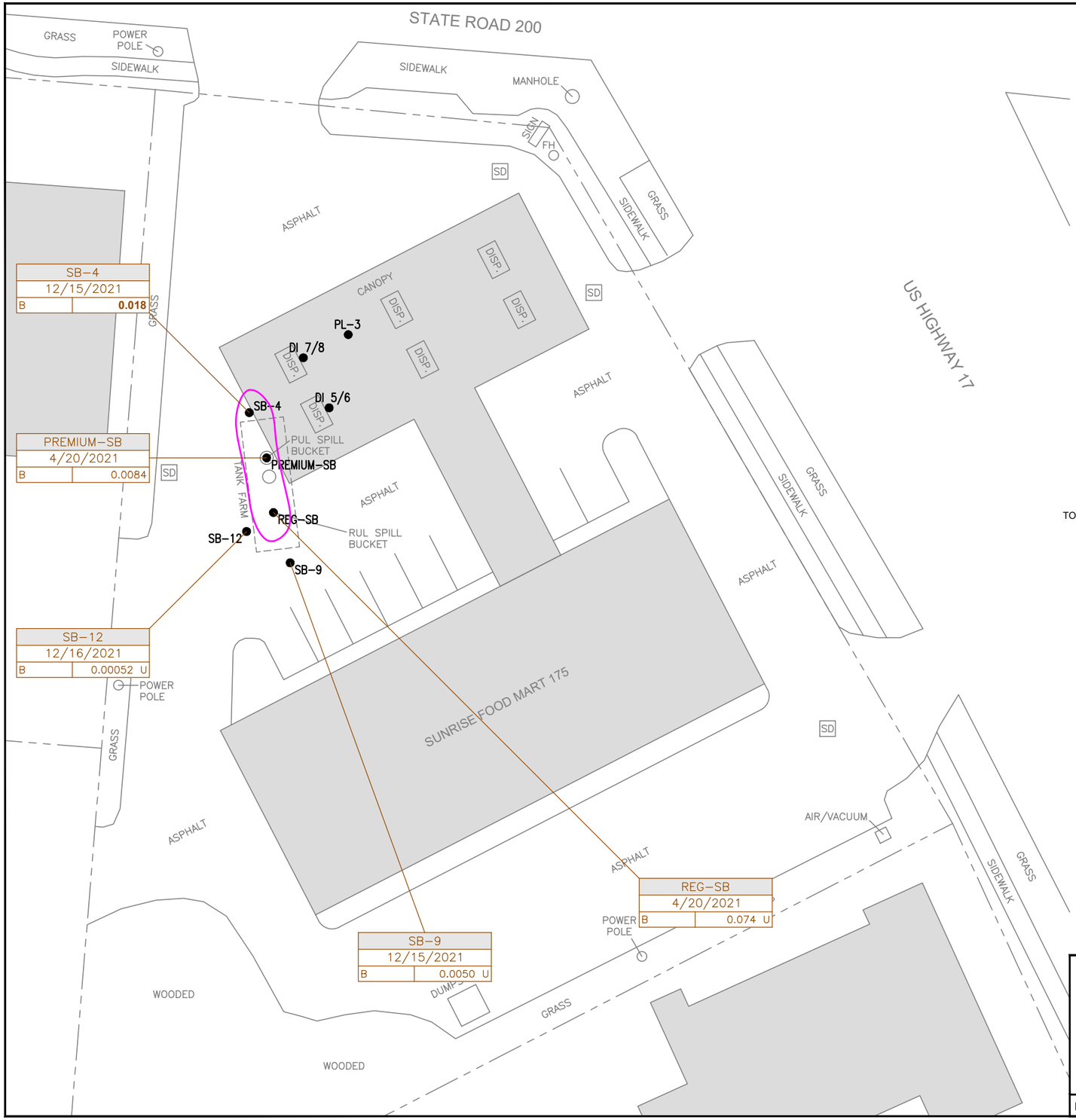
FREELAND Environmental Associates, Inc.

FIGURE 3C

SOIL ANALYTICAL SUMMARY
APRIL 2021 & DECEMBER 2021

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 12/2/22	File: FIG 3C SOIL ANALYTICAL SUMMARY



EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW–1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB–1 — SOIL BORING LOCATION AND DESIGNATION
- APPROXIMATE EXTENT OF SCTL EXCEEDANCES

ANALYTE TABLE EXPLANATION

	SB–1
SOIL BORING DESIGNATION	
SAMPLE DATE	12/16/2021
BENZENE	B 0.007
TOLUENE	T 0.5
ETHYLBENZENE	E 0.6
TOTAL XYLENES	X 0.2
MTBE	MTBE 0.09
NAPHTHALENE	N 1.2
1-METHYLNAPHTHALENE	1–MN 3.1
2-METHYLNAPHTHALENE	2–MN 8.5
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	TRPH 340

VALUES SHOWN ARE FLORIDA'S SOIL CLEANUP TARGET LEVELS FOR LEACHABILITY IN mg/kg

NOTES:

1. ALL VALUES ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)
2. VALUES IN **BOLD AND BLACK COLOR** EXCEED FLORIDA'S SOIL CLEANUP TARGET LEVELS FOR LEACHABILITY
3. I = ANALYTE CONCENTRATION WAS ABOVE THE METHOD DETECTION LIMIT AND BELOW THE PRACTICAL QUANTITATION LIMIT
4. U = ANALYTE WAS NOT DETECTED
5. PPM = PARTS PER MILLION
6. FT BGS = FEET BELOW GROUND SURFACE

N

0 30'

FREELAND Environmental Associates, Inc.

FIGURE 3D

BENZENE ISO-CONCENTRATION MAP
APRIL 2021 & DECEMBER 2021

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 12/19/22	File: FIG 3D BENZENE ISO-CONCENTRATION MAP

TMW–1	12/15/2021
B	0.28 U
T	0.66 U
E	0.56 U
X	1.3 U
MTBE	0.71 U
N	0.077 I
1–MN	0.048 I
2–MN	0.054 I
TRPH	580 U

TMW–2	12/16/2021
B	0.28 U
T	0.66 U
E	0.56 U
X	1.3 U
MTBE	0.71 U
N	0.059 I
1–MN	0.043 U
2–MN	0.032 U
TRPH	570 U

TMW–3	12/16/2021
B	0.28 U
T	0.66 U
E	0.56 U
X	1.3 U
MTBE	0.71 U
N	0.052 U
1–MN	0.040 U
2–MN	0.031 U
TRPH	540 U

EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW–1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB–1 — SOIL BORING LOCATION AND DESIGNATION

ANALYTE TABLE EXPLANATION

	MW–1	12/16/2021
WELL DESIGNATION		SAMPLE DATE
BENZENE	B	1
TOLUENE	T	40
ETHYLBENZENE	E	30
TOTAL XYLENES	X	20
MTBE	MTBE	20
NAPHTHALENE	N	14
1-METHYLNAPHTHALENE	1–MN	28
2-METHYLNAPHTHALENE	2–MN	28
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	TRPH	5,000

VALUES SHOWN ARE FLORIDA'S GROUNDWATER CLEANUP TARGET LEVELS

NOTES:

1. ALL VALUES ARE IN MICROGRAMS PER LITER (µg/L)
2. VALUES SHOWN IN **BOLD AND BLACK COLOR** EXCEED FLORIDA'S GROUNDWATER CLEANUP TARGET LEVELS
3. I = ANALYTE CONCENTRATION WAS ABOVE THE METHOD DETECTION LIMIT AND BELOW THE PRACTICAL QUANTITATION LIMIT
4. U = ANALYTE WAS NOT DETECTED

N

0 30'

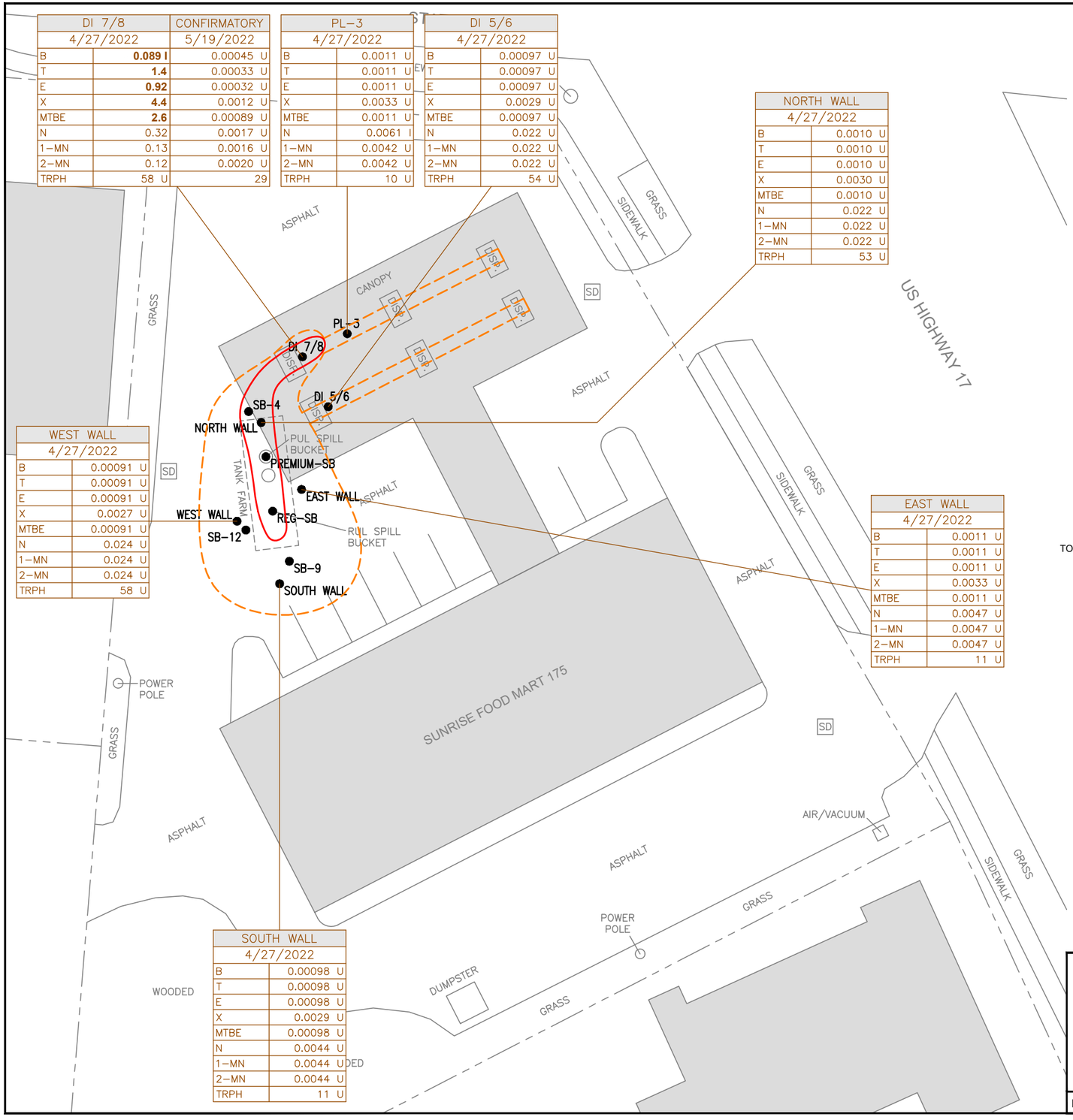
FREELAND Environmental Associates, Inc.

FIGURE 3E

GROUNDWATER ANALYTICAL SUMMARY
DECEMBER 15-16, 2021

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: 1" = 30'	Date: 12/23/22	File: FIG 3E GROUNDWATER ANALYTICAL SUMMARY



DI 7/8	CONFIRMATORY
4/27/2022	5/19/2022
B	**0.089 I**	0.00045 U
T	**1.4**	0.00033 U
E	**0.92**	0.00032 U
X	**4.4**	0.0012 U
MTBE	**2.6**	0.00089 U
N	0.32	0.0017 U
1–MN	0.13	0.0016 U
2–MN	0.12	0.0020 U
TRPH	58 U	29

PL–3	
4/27/2022	
B	0.0011 U
T	0.0011 U
E	0.0011 U
X	0.0033 U
MTBE	0.0011 U
N	0.0061 I
1–MN	0.0042 U
2–MN	0.0042 U
TRPH	10 U

DI 5/6	
4/27/2022	
B	0.00097 U
T	0.00097 U
E	0.00097 U
X	0.0029 U
MTBE	0.00097 U
N	0.022 U
1–MN	0.022 U
2–MN	0.022 U
TRPH	54 U

NORTH WALL	
4/27/2022	
B	0.0010 U
T	0.0010 U
E	0.0010 U
X	0.0030 U
MTBE	0.0010 U
N	0.022 U
1–MN	0.022 U
2–MN	0.022 U
TRPH	53 U

WEST WALL	
4/27/2022	
B	0.00091 U
T	0.00091 U
E	0.00091 U
X	0.0027 U
MTBE	0.00091 U
N	0.024 U
1–MN	0.024 U
2–MN	0.024 U
TRPH	58 U

EAST WALL	
4/27/2022	
B	0.0011 U
T	0.0011 U
E	0.0011 U
X	0.0033 U
MTBE	0.0011 U
N	0.0047 U
1–MN	0.0047 U
2–MN	0.0047 U
TRPH	11 U

SOUTH WALL	
4/27/2022	
B	0.00098 U
T	0.00098 U
E	0.00098 U
X	0.0029 U
MTBE	0.00098 U
N	0.0044 U
1–MN	0.0044 U
2–MN	0.0044 U
TRPH	11 U

EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW–1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB–1 — SOIL BORING LOCATION AND DESIGNATION
- AREA ASPHALT/CONCRETE REMOVED
- EXCAVATED AREA

ANALYTE TABLE EXPLANATION

SOIL BORING DESIGNATION	SB–1	
SAMPLE DATE	5/19/2022	
BENZENE	B	0.007
TOLUENE	T	0.5
ETHYLBENZENE	E	0.6
TOTAL XYLENES	X	0.2
MTBE	MTBE	0.09
NAPHTHALENE	N	1.2
1-METHYLNAPHTHALENE	1–MN	3.1
2-METHYLNAPHTHALENE	2–MN	8.5
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	TRPH	340

VALUES SHOWN ARE FLORIDA'S SOIL CLEANUP TARGET LEVELS FOR LEACHABILITY IN mg/kg

NOTES:

1. ALL VALUES ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)
2. VALUES IN **BOLD AND BLACK COLOR** EXCEED FLORIDA'S SOIL CLEANUP TARGET LEVELS FOR LEACHABILITY
3. I = ANALYTE CONCENTRATION WAS ABOVE THE METHOD DETECTION LIMIT AND BELOW THE PRACTICAL QUANTITATION LIMIT
4. U = ANALYTE WAS NOT DETECTED
5. PPM = PARTS PER MILLION
6. FT BGS = FEET BELOW GROUND SURFACE

N

0 30'

FREELAND Environmental Associates, Inc.

FIGURE 4

SOIL ANALYTICAL SUMMARY
DECEMBER 15-16, 2021; APRIL 27, 2022; & MAY 19, 2022

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: MG	Checked By: MG	Scale: 1" = 30'	Date: 12/19/22	File: FIG 4 SOIL ANALYTICAL SUMMARY

TMW-1	4/27/2022
B	0.25 U
T	0.25 U
E	0.25 U
X	0.75 U
MTBE	0.52 I
N	0.19 U
1-MN	0.20 U
2-MN	0.20 U
TRPH	600 U

EXPLANATION

- PROPERTY BOUNDARY LINE
- SD — STORM DRAIN
- FH — FIRE HYDRANT
- TMW-1 — TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- SB-1 — SOIL BORING LOCATION AND DESIGNATION
- AREA ASPHALT/CONCRETE REMOVED
- EXCAVATED AREA

ANALYTE TABLE EXPLANATION

	MW-1	4/27/2022
BENZENE	B	1
TOLUENE	T	40
ETHYLBENZENE	E	30
TOTAL XYLENES	X	20
MTBE	MTBE	20
NAPHTHALENE	N	14
1-METHYLNAPHTHALENE	1-MN	28
2-METHYLNAPHTHALENE	2-MN	28
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	TRPH	5,000

WELL DESIGNATION → MW-1; SAMPLE DATE → 4/27/2022

VALUES SHOWN ARE FLORIDA'S GROUNDWATER CLEANUP TARGET LEVELS

NOTES:

1. ALL VALUES IN MICROGRAMS PER LITER (µg/L)
2. VALUES IN **BOLD** EXCEED FLORIDA'S GROUNDWATER CLEANUP TARGET LEVELS
3. U = ANALYTE WAS NOT DETECTED
4. I = ANALYTE CONCENTRATION WAS ABOVE THE METHOD DETECTION LIMIT AND BELOW THE PRACTICAL QUANTITATION LIMIT

N

0 30'

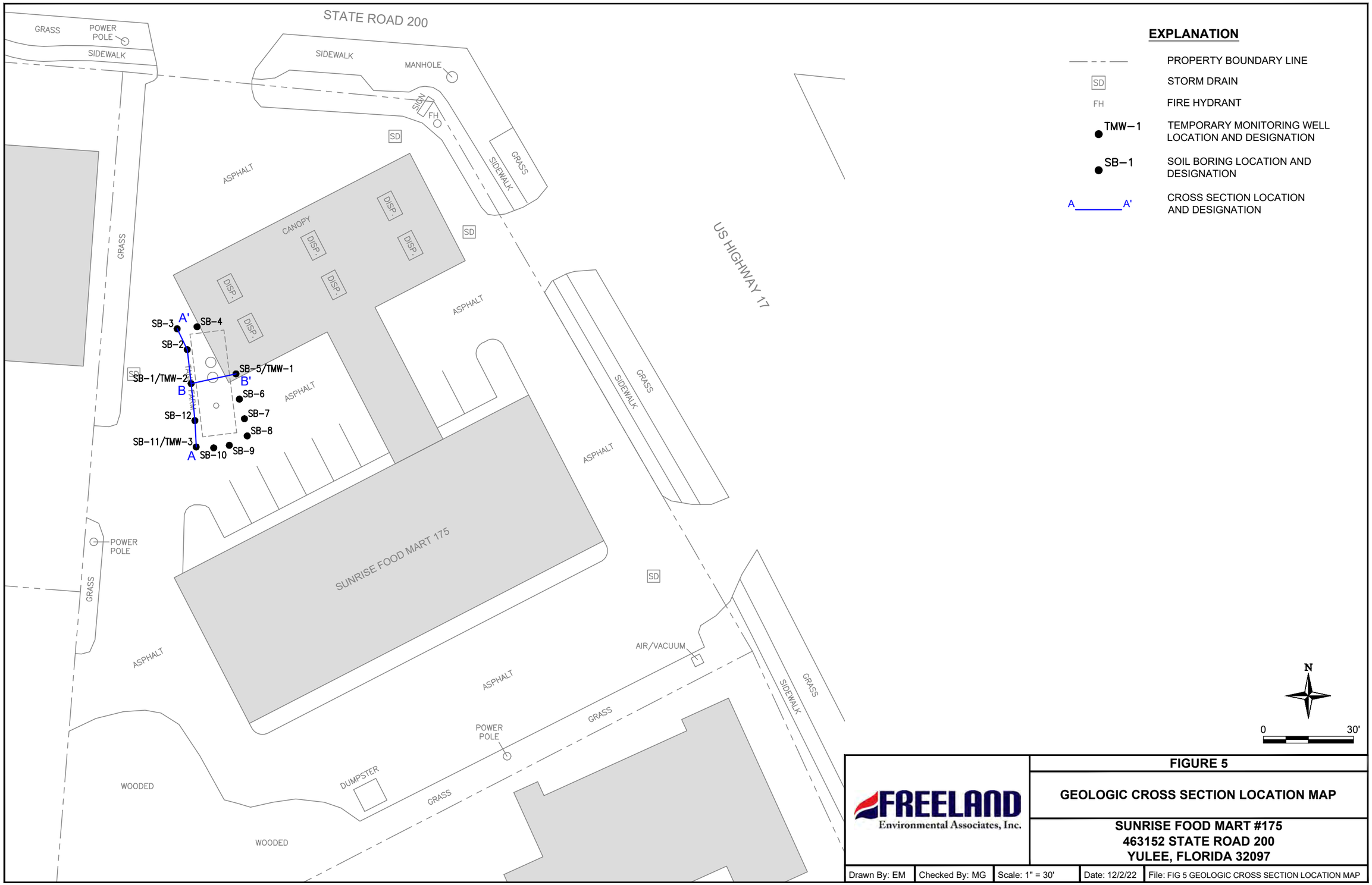
FREELAND Environmental Associates, Inc.

FIGURE 4A

GROUNDWATER ANALYTICAL SUMMARY
APRIL 27, 2022

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: 1" = 30'	Date: 12/23/22	File: FIG 4A GROUNDWATER ANALYTICAL SUMMARY



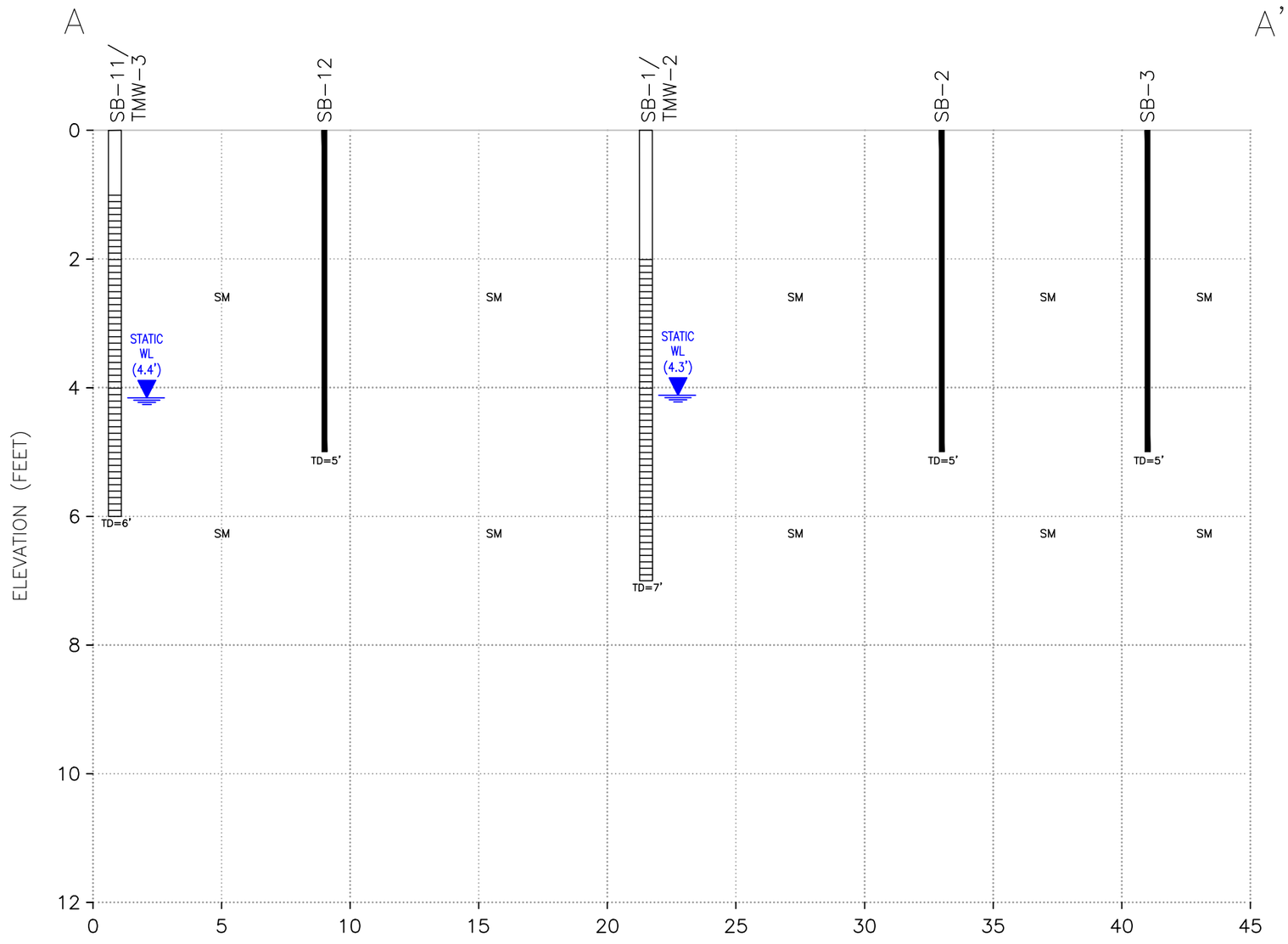
FREELAND Environmental Associates, Inc.

FIGURE 5

GEOLOGIC CROSS SECTION LOCATION MAP

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: 1" = 30'	Date: 12/2/22	File: FIG 5 GEOLOGIC CROSS SECTION LOCATION MAP



EXPLANATION

SB-1 — SOIL BORING/MONITORING WELL DESIGNATION

MONITORING WELL OR BORING

MONITORING WELL SCREENED INTERVAL

SM = SILTY SAND

(XX.XX) AVERAGE DEPTH TO GROUNDWATER

N

VERTICAL 0 2'

HORIZONTAL 0 5'

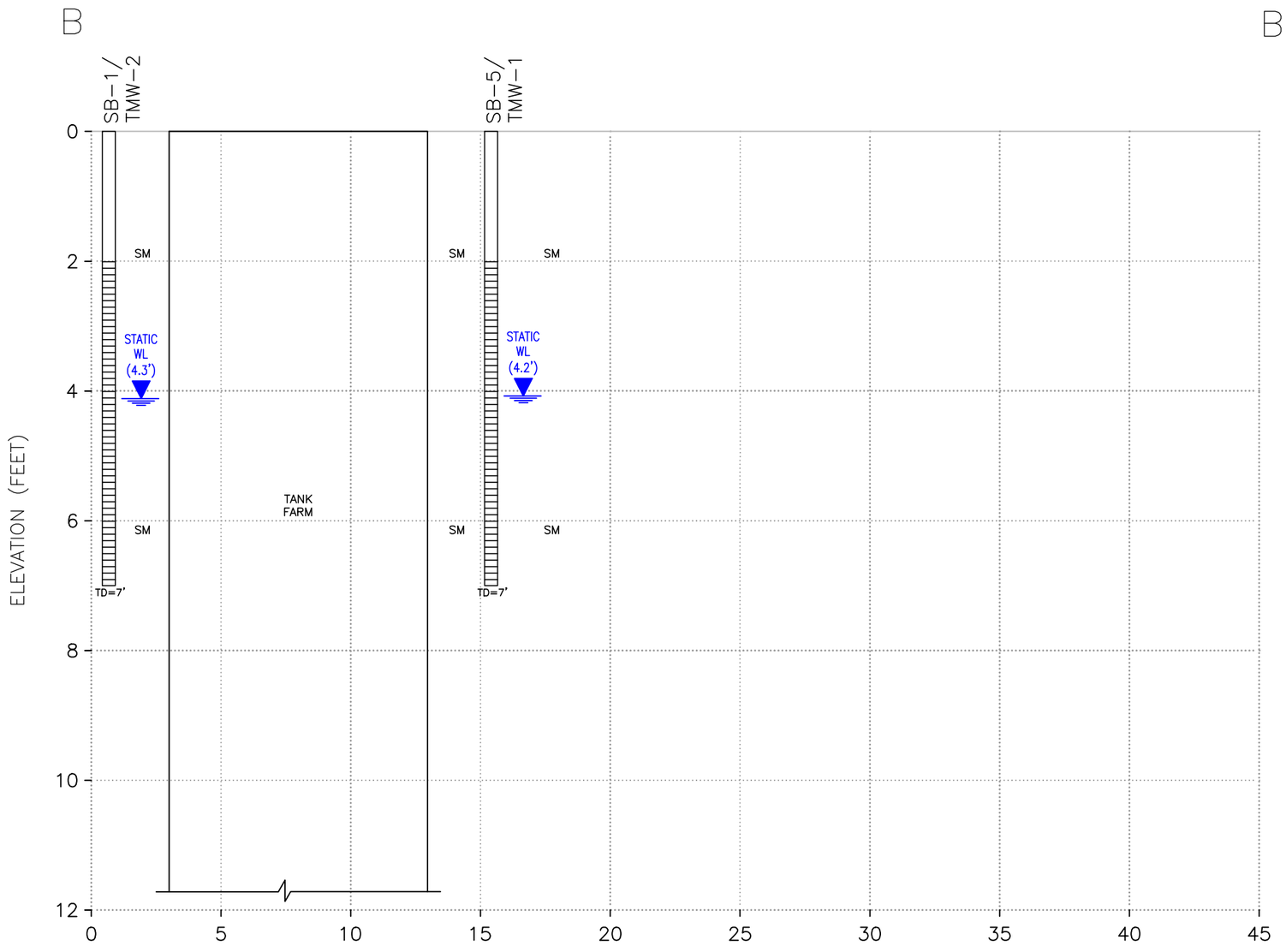
FREELAND Environmental Associates, Inc.

FIGURE 5A

GEOLOGIC CROSS SECTION A-A'

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: AS NOTED	Date: 12/2/22	File: FIG 5A GEOLOGIC CROSS SECTION A-A'



EXPLANATION

SB-1 — SOIL BORING/MONITORING WELL DESIGNATION

MONITORING WELL OR BORING

MONITORING WELL SCREENED INTERVAL

SM = SILTY SAND

(XX.XX) AVERAGE DEPTH TO GROUNDWATER

N

VERTICAL 0 2'

HORIZONTAL 0 5'

FREELAND Environmental Associates, Inc.

FIGURE 5B

GEOLOGIC CROSS SECTION B-B'

SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097

Drawn By: EM	Checked By: MG	Scale: AS NOTED	Date: 12/2/22	File: FIG 5B GEOLOGIC CROSS SECTION B-B'

APPENDIX A

SITE ASSESSMENT FIELD FORMS

FREELAND
Environmental Associates, Inc.

Date: 12/15/2021

FIELD NOTES

Facility Name: Sunrise Food Mart #175
Address: 46315 SR 200 Yulee
Facility ID: 45/9802278
Observed Weather: Cloudy
Temperature: 86°F

Field Tasks:

Day 1 Site Assessment

Purchase Order/Task Order #:

Field Personnel:

NAME/TITLE	COMPANY	VEHICLE	TIME ONSITE	TIME OFFSITE
Emily MacFarland	FEA	Dodge Van	0815	1615
Mario Farnulla	FEA	Honda CRV	0815	1615
Michael Garbee	FEA	Honda Pilot	0900	1130

Field Observations/Conditions: (damaged wells or equipment, obstructions, equipment downtime, etc.)

Site Activities:

TIME	
0815	Arrive on Site; E. MacFarland (FEA) checks in w/Store; M. Farnulla (FEA) calibrates equipment (See logs)
0900	M. Garbee (FEA) onsite; Health & Safety meeting
0908	Discuss Scope of work & mark out soil boring locations
1000	Begin drilling SB-2; collect OVA samples
1030	Begin drilling SB-3; collect OVA samples
1100	Begin drilling SB-8; collect OVA samples
1130	M. Garbee offsite; Begin drilling SB-6; collect OVA samples
1200	Begin drilling SB-9; collect OVA samples
1209	collect SB-9 soil analytical sample
1245	Begin drilling SB-7; collect OVA samples
1315	Begin drilling SB-4; collect OVA samples
1325	collect SB-4 soil analytical sample
1345	Begin drilling SB-5; collect OVA samples; Set TMW-1
1434	Begin purging TMW-1
1457	Begin sampling TMW-1
1500	Sampling complete, see log.

Additional Notes:

FDEP Correspondence / Task Changes:

Photographs Taken:

Number of Drums Generated:

Attached FDEP Field Forms:
- ☐ Calibration Logs
- ☐ GW Sampling Logs
- ☐ Soil Boring Logs
- ☐ MW Construction Logs

Additional Attachments:
- ☐ Site Plan with Sample Locations
- ☐ Other

Printed Name: Emily MacFarland Signature: Emily MacFarland

FREELAND
Environmental Associates, Inc.

Date: 12/15/2021

ADDITIONAL FIELD NOTES

Facility Name: Sunrise Food Mart #175 **Facility ID:** 45/9802278

Site Activities:

TIME	
1515	Clean equipment, patch soil boring holes, load up equipment, final calibration of equipment
1615	All personnel off location.

Printed Name: Emily MacFarland Signature: Emily MacFarland

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: SFM 175

Calibrated by (Print)/Affiliation: Mario Farmilo / FEA

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L	Deviation mg DO/L	Pass or Fail
(CAL) ICV CCV	MF	12/15/21	8:15	100%	28.1	100	100.00			(P) F
CAL (ICV) CCV	MF	"	8:15	100%	28.1	100	100.00			(P) F
CAL ICV (CCV)	MF	"	~~12:47~~ MF 15:51	100%	31.2	100	100.00			(P) F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
(CAL) ICV CCV	MF	12/15/21	8:16	500			500.0		(P) F
(CAL) ICV CCV	MF	"	8:16	1000			1000.0		(P) F
CAL (ICV) CCV	MF	"	8:17	500			500.0		(P) F
CAL (ICV) CCV	MF	"	8:18	1000			1000.0		(P) F
CAL ICV (CCV)	MF	"	15:53	1000			1000.0		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Response (mV)	Pass or Fail
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: SFM 175

Calibrated by (Print)/Affiliation: Mario Ferruola / PREA

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID:

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL) ICV CCV	MF	12/15/21	8:18	0.0			0.0	—	(P) F
CAL (ICV) CCV	MF	"	8:18	10.0			10.0	—	(P) F
CAL ICV (CCV)	MF	"	15:54	10.0			10.0	—	(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL) ICV CCV	MF	12/15/21	8:20	7.0			6.98	MF 6.98 -.02	(P) F
(CAL) ICV CCV	MF	"	8:20	4.01			4.01		(P) F
CAL (ICV) CCV	MF	"	8:21	7.0			7.0		(P) F
CAL ICV (CCV)	MF	"	15:56	7.0			7.0		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Calibrated by (Print)/Affiliation: ____________________

Boldly "X" this box if there is qualified data on this page. ☐

ORGANIC VAPOR ANALYZER (OVA) **Acceptance Criteria +/-5% the standard**

REFERENCE: ***Portable Instruments User's Manual For Monitoring VOC Sources*, EPA-340/1-86-015, June 1986**

Meter/Instrument Name and Unique ID: ____________________

	Initials	Date	Time	Standard (ppm)	Exp. Date	Lot #	Response (ppm)	Deviation (ppm)	Pass or Fail
CAL (ICV) CCV	MF	12/16/21	8:24	0.0				MF 0	(P) F
CAL (ICV) CCV	MF	12/16/21	13:14	100				MF ~~100~~	(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
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CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Notes (e.g. corrective actions, etc): ____________________

Perform only in Calibrate Mode: CAL - Calibrate
Perform only in Read/Run Mode: ICV - Initial Calibration Verification
Perform only in Read/Run Mode: CCV - Continuing Calibration Verification

BORING LOG

Boring/Well Number: SB-2	Permit Number:		FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/15/21 End Date: 12/15/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: FRA	Geologist's Name: Andrew Long		Environmental Technician's Name: MAF/KM
Drilling Company: FRA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4	Borehole Depth (feet): ~~MF~~ 6
Drilling Method(s): Core Drill/ HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRae ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						21.4	1	Brown Sand, strong odor, Fine grained, well sorted	SM	M	
							2				
						24.3	3				
							4				
						1	5				
							6	EOB			
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SB-3	Permit Number:	FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/15/21 End Date: 12/15/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM
Environmental Contractor: RBA	Geologist's Name: Andrew Lons	Environmental Technician's Name:
Drilling Company: RBA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4
Borehole Depth (feet): 6		
Drilling Method(s): Core Drill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): MiniRae ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						34.5	1	Sand, dark brown, well sorted, fine grained, slight odor		D	
↓							2			↓	
						11.8	3	Sand, dark brown, well sorted, fine grained, trace tree roots, odor, trace tan sand		M	
							4				
						0.4	5	Sand, dark brown, well sorted, fine grained, slight odor			
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings
Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-4	Permit Number:	FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: / End Date:	Borehole Start Time: ☐ AM ☐ PM / End Time: ☐ AM ☐ PM
Environmental Contractor: FEA	Geologist's Name: Andrew Long	Environmental Technician's Name: MAF / EM
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4
Borehole Depth (feet): 6		
Drilling Method(s): Core Drill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): MiniRae ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						20.9	1	Sand, dark brown, well sorted, fine grained, trace oyster shells.	SM	M	Lab sample @ 1325
							2				
						7.6	3	Sand, dark brown, well sorted, fine grained, tree root, trace shell fragments		W	
							4				
						0	5	sand, dark brown, well sorted, fine grained, moderate odor.			
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SB-5	Permit Number:		FDEP Facility Identification Number: 451980 2278
Site Name:	Borehole Start Date: 12/15/21 End Date: 12/15/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: FEA	Geologist's Name: Andrew Long		Environmental Technician's Name: MAF / EM
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4	Borehole Depth (feet): 8
Drilling Method(s): Core drill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well): 4.20	OVA (list model and check type): MiniRae ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA ↓						0.4	1	Sand, dark brown, fine grained, well sorted	SM	D ↓ M ↓ S ↓	
						0	3				
						0	5				
						0	7				
							8				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-6	Permit Number:	FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/15/21 End Date: 12/15/2021	Borehole Start Time: ☑ AM ☐ PM End Time: ☐ AM ☐ PM
Environmental Contractor: FEA	Geologist's Name: Andrew Long	Environmental Technician's Name: MAF / EM
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4
Borehole Depth (feet): 8		
Drilling Method(s): Core Drill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4 ft	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): MiniRae ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0	1	sand, tan, some dark brown sand, well sorted, fine grained	SM	D	
							2				
						0	3	sand, dark brown, well sorted, fine grained		M	
							4				
						0	5	~~E.O.B.~~ Em		W	
							6				
							7				
							8	E.O.B.			
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
SB-7		45/9802278

Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/15/2021 End Date: 12/15/2021	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
FEA	Andrew Long	MAF/KEM

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
FEA	4	4	5

Drilling Method(s): ~~MV~~	Apparent Borehole DTW (in feet from soil moisture content): Dry	Measured Well DTW (in feet after water recharges in well): 4	OVA (list model and check type): MiniRae ☐ FID ☑ PID
Core/Drill/~~Bail~~/HA			

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA ↓						0	1	Sand, dark brown, well sorted, fine grained	SM ↓	D ↓	
						0	2			M ↓	
							3				
							4			W	
						0	5	E.O.B			
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-8	Permit Number:	FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/15/21 End Date: 12/15/21	Borehole Start Time: AM ☐ PM End Time: AM ☐ PM
Environmental Contractor: FEA	Geologist's Name: Andrew Long	Environmental Technician's Name: MAF/EM
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4
Borehole Depth (feet): 5		
Drilling Method(s): Core Drill/HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): MiniRae ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						1.3	1	Sand, dark brown, well sorted, fine grain	SM	M	
						0.3	2				
							3				
						0	4				
							5	EOB	W		
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-9	Permit Number:	FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/15/21 End Date: 12/15/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM
Environmental Contractor: FEA	Geologist's Name: Andrew Long	Environmental Technician's Name:
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4
Borehole Depth (feet): 5		
Drilling Method(s): Core Drill/HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): MiniRae ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.5	1	Sand, dark brown, well sorted, fine grained	~~MF~~ SM	D	
							2				
						2.2	3				
							4				
						3.4	5	Sand, light to medium brown, well sorted, fine grained, trace odor.	~~SM~~ SM	M → W	Lab Sample @1209
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Sunrise Food Mart No. 21	SITE LOCATION:
WELL NO: ~~SB-5~~ TMW-1	SAMPLE ID: ~~SB-5~~ TMW-1
DATE: 12/15/21	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 3 feet to 8 feet	STATIC DEPTH TO WATER (feet): 4.2	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (8 feet – ~~8~~ 4.2 feet) X ~~2~~ 0.04 gallons/foot = 0.152 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.2	PURGING INITIATED AT: 1434	PURGING ENDED AT: 1456	TOTAL VOLUME PURGED (gallons): 1.52

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
1444	0.92	0.92	0.15	4.4	6.63	22.6	549	2.13	107	None	None -7.4
1447	1.07	0.15	0.15	4.4	6.56	22.5	546	1.39	70.8	None	None -5.5
1450	1.22	0.15	0.15	4.4	6.53	22.4	542	1.14	47.3	None	None -6.2
1453	1.37	0.15	0.15	4.4	6.49	22.4	540	0.97	41.3	None	None -6.5
1456	1.52	0.15	0.15	4.4	6.47	22.3	542	0.96	34.6	None	None -6.6

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: E. MacFarland / FEA	SAMPLER(S) SIGNATURE(S): Emily MacFarland	SAMPLING INITIATED AT: 1457	SAMPLING ENDED AT: 1500
PUMP OR TUBING DEPTH IN WELL (feet): 5.2	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-1	3	CG	40mL	HCl			BTEX + MN	APP	
	1	AG	250mL	H_2SO_4			TRPH + PAH	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FREELAND
Environmental Associates, Inc.

Date: 12/16/21

FIELD NOTES

Facility Name: Sunrise Food Mart No. 175

Facility ID: 45/9802278

Address: 463152 State Rd. 200
Tulee, Nassau County, FL

Observed Weather: Cloudy
Temperature: 80 °F

Field Tasks:

Day 2 Site assesment

Purchase Order/Task Order #:

Field Personnel:

NAME/TITLE	COMPANY	VEHICLE	TIME ONSITE	TIME OFFSITE
Mario Farrulla	FEA, INC.	~~Dodge JM~~ ~~Toyota Corolla~~ MP	8:00	~~12:30~~ MP 13:15
Emily	FEA-INC.	Personal Vehicle	8:10	~~12:30~~ MP 13:15

Field Observations/Conditions: (damaged wells or equipment, obstructions, equipment downtime, etc.)

Site Activities:

TIME	
6:00	Arrive onsite
8:15	Equipment Calibrated
8:30	Begin digging SB-1
9:20	Begin drilling SB-10
10:20	Begin drilling SB-11
10:40	Begin TMW-2 Install / Sampling
MP ~~11:30~~	Begin TMW-3 Install / Sampling
12:30	Begin drilling SB-12
13:15	equipment packed up / offsite

Additional Notes:

FDEP Correspondence / Task Changes:

Photographs Taken:

Attached FDEP Field Forms:

- [x] Calibration Logs
- [x] GW Sampling Logs
- [x] Soil Boring Logs
- [ ] MW Construction Logs

Additional Attachments:

- [ ] Site Plan with Sample Locations
- [ ] Other

Number of Drums Generated:

Printed Name:

Signature:

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: SFM 175

Calibrated by (Print)/Affiliation: Mario Farrulla / FKA

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L	Deviation mg DO/L	Pass or Fail
(CAL) ICV CCV	MF	12/16/21	8:20	100%	28.1	100	100.0			(P) F
CAL (ICV) CCV	MF	"	8:20	100%	28.1	100	100.0			(P) F
CAL ICV (CCV)	MF	"	13:00	100%	32.1	100	100.0			(P) F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
(CAL) ICV CCV	MF	12/16/21	8:21	500			520		(P) F
(CAL) ICV CCV	MF	"	8:21	1000			998	+2	(P) F
CAL (ICV) CCV	MF	"	8:22	500			500		(P) F
CAL ICV (CCV)	MF	"	13:02	1000			~~500~~ MF 1000		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Response (mV)	Pass or Fail
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: SFM 195

Calibrated by (Print)/Affiliation: Mario Ferrulla / KEA

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID:

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL) ICV CCV	MF	12/6/21	8:24	0.0				—	(P) F
CAL (ICV) CCV	MF	〃	8:24	10.0				—	(P) F
CAL ICV (CCV)	MF	〃	13:04	10.0				—	(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL) ICV CCV	MF	8:25	12/6/21	7.0			7.0		(P) F
CAL (ICV) CCV	MF	8:25 →	〃	4.01			4.01		(P) F
CAL (ICV) CCV	MF	8:26 ←	〃	7.0			7.0		(P) F
CAL ICV (CCV)	MF	13:06	〃	7.0			7.0		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Calibrated by (Print)/Affiliation: Mario Bonilla

Boldly "X" this box if there is qualified data on this page.

ORGANIC VAPOR ANALYZER (OVA) **Acceptance Criteria +/-5% the standard**

REFERENCE: ***Portable Instruments User's Manual For Monitoring VOC Sources*, EPA-340/1-86-015, June 1986**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (ppm)	Exp. Date	Lot #	Response (ppm)	Deviation (ppm)	Pass or Fail
CAL (ICV circled) CCV	MF	12/15/21	9:19	0.0			0	—	(P circled) F
CAL (ICV circled) CCV	MF	12/15/21	15:35	~~100~~ MF 100			100.0	—	(P circled) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
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CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Notes (e.g. corrective actions, etc):

Perform only in Calibrate Mode: CAL - Calibrate
Perform only in Read/Run Mode: ICV - Initial Calibration Verification
Perform only in Read/Run Mode: CCV - Continuing Calibration Verification

BORING LOG

Boring/Well Number: SB-1	Permit Number:		FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/16/21 End Date: 12/16/21	Borehole Start Time: 8:00 ☑ AM ☐ PM End Time: 8:30 ☑ AM ☐ PM	
Environmental Contractor: PEA	Geologist's Name: Andrew Long		Environmental Technician's Name: MAF / KEM
Drilling Company: PEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4	Borehole Depth (feet): 8
Drilling Method(s): Coredrill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRae ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0	1	Dark brown soil, Fine, No odor, Trace Shellrock	SM	M	
							2				
						0	3				
							4			W	
						0	5				
							6		SM		
						0	7				
							8	EOB			
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-10	Permit Number:		FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/16/21 End Date: 12/16/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: FEA	Geologist's Name: Andrew Lang		Environmental Technician's Name: MAF / EM
Drilling Company: FEA	Pavement Thickness (inches): 8	Borehole Diameter (inches): 4	Borehole Depth (feet): 6
Drilling Method(s): Cove Drill / HA	Apparent Borehole DTW (in feet from soil moisture content): 5	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRae ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0	1	sand. Dark brown, well sorted, fine grained	SM	D	
							2				
						0.5	3				
							4				
						0.4	5	sand. dark brown, well sorted, fine grained, tree roots		M	
							6	EOB			
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-11	Permit Number:		FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/16/21 End Date: 12/16/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: FEA	Geologist's Name: Andrew Long		Environmental Technician's Name: MAF/EM
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4	Borehole Depth (feet): 8
Drilling Method(s): Coredrill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRae ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						6.4	1	Sand, dark brown, well sorted, fine grained	SM	D	
							2				
						11.6	3			M	
							4				
						0.3	5			W	
							6				
						0	7				
							8	EOB			
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-12	Permit Number:		FDEP Facility Identification Number: 45/9802278
Site Name: Sunshine Food Mart 175	Borehole Start Date: 12/16/21 End Date: 12/16/21	Borehole Start Time: ☐ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: FEA	Geologist's Name: Andrew Long		Environmental Technician's Name: MAF/EM
Drilling Company: FEA	Pavement Thickness (inches): 4	Borehole Diameter (inches): 4	Borehole Depth (feet): 6
Drilling Method(s): Geodrill / HA	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRae ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.0	1	Sand, dark brown, fine grained, ~~mo~~ well sorted	SM	D	Lab sample @ 1055
							2				
						0.0	3			M	
							4				
						0.2	5	EOB			
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: SFM 175	SITE LOCATION:
WELL NO: TMW-3 (SB-11)	SAMPLE ID: TMW-3
	DATE: 12/16/21

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 1 feet to 6 feet	STATIC DEPTH TO WATER (feet): 4.4	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (6 feet – 4.4 feet) X 0.04 gallons/foot = 0.064 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.4	PURGING INITIATED AT: 1108	PURGING ENDED AT: 1129	TOTAL VOLUME PURGED (gallons): 1.064

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1123	0.764	0.764	0.15	4.56	7.08	24.5	650	1.34	64.5	None	None -48
1124	0.15	~~0.15~~ 0.914	0.15	4.56	7.07	24.5	646	1.12	60.8	None	None -49
1129	0.15	~~0.15~~ 1.064	0.15	4.56	7.07	24.6	647	0.83	45.4	None	None -53

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mario Parrilla	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1130	SAMPLING ENDED AT: 1140
PUMP OR TUBING DEPTH IN WELL (feet): 5.4	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW3	3	CG	40 mL	HCl			BTEX+MTBE	APP	~100
1	1	AG	250 mL	H_2SO_4			TRPH +PAH	APP	~300

REMARKS: MS/MSD

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Sunshine Food mart NO. 175	SITE LOCATION:	
WELL NO: TMW-2 (SB-1)	SAMPLE ID: TMW-2	DATE: 12/16/21

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 1 feet to 6 feet	STATIC DEPTH TO WATER (feet): 4.3	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (6 feet – 4.3 feet) X 0.04 gallons/foot = 0.068 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.3	PURGING INITIATED AT: 10:00	PURGING ENDED AT: 10:30	TOTAL VOLUME PURGED (gallons): 1.068

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) Diesel
10:24	0.768	0.768	0.15	4.5	7.09	23.6	720	2.37	33.2	None	None - 79
10:27	0.918	0.15	0.15	4.5	7.07	23.7	717	2.36	24.4	None	None - 81
10:30	1.068	0.15	0.15	4.5	7.06	23.7	718	2.14	19.2	None	None - 81

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mario Parrilla	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-2	3	CG	40mL	HCl			BTEX/MTBE	APP	~160
1	1	AG	250mL	H_2SO_4			TRPH + PAH	APP	~720

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

APPENDIX B

SITE ASSESSMENT LABORATORY ANALYTICAL REPORTS

Advanced Environmental Laboratories, Inc.
4965 SW 41st Bl Gainesville, FL 32608
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Phone: (352) 377-2349
Fax: (352) 395-6639

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

December 29, 2021

Michael Garbee
Freeland Environmental Associates, Inc.
1356 Willow Branch Ave
Jacksonville, FL 32205

RE: Workorder: G2110837 SUNSHINE FOOD MART NO 175

Dear Michael Garbee:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday December 17, 2021. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Todd Romero

Todd Romero, Sales
tromero@aellab.com

Certificate of Analysis

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
G2110837001	SB-4	SO	FL-PRO	12/15/2021 13:25	12/17/2021 10:10	1
G2110837001	SB-4	SO	SM 2540G	12/15/2021 13:25	12/17/2021 10:10	1
G2110837001	SB-4	SO	SW-846 8260B	12/15/2021 13:25	12/17/2021 10:10	5
G2110837001	SB-4	SO	SW-846 8270C (SIM)	12/15/2021 13:25	12/17/2021 10:10	18
G2110837002	SB-9	SO	FL-PRO	12/15/2021 12:09	12/17/2021 10:10	1
G2110837002	SB-9	SO	SM 2540G	12/15/2021 12:09	12/17/2021 10:10	1
G2110837002	SB-9	SO	SW-846 8260B	12/15/2021 12:09	12/17/2021 10:10	5
G2110837002	SB-9	SO	SW-846 8270C (SIM)	12/15/2021 12:09	12/17/2021 10:10	18
G2110837003	SB-12	SO	FL-PRO	12/16/2021 10:55	12/17/2021 10:10	1
G2110837003	SB-12	SO	SM 2540G	12/16/2021 10:55	12/17/2021 10:10	1
G2110837003	SB-12	SO	SW-846 8260B	12/16/2021 10:55	12/17/2021 10:10	5
G2110837003	SB-12	SO	SW-846 8270C (SIM)	12/16/2021 10:55	12/17/2021 10:10	18
G2110837004	TMW-1	WA	FL-PRO	12/15/2021 14:57	12/17/2021 10:10	1
G2110837004	TMW-1	WA	SW-846 8260B	12/15/2021 14:57	12/17/2021 10:10	5
G2110837004	TMW-1	WA	SW-846 8270C (SIM)	12/15/2021 14:57	12/17/2021 10:10	18
G2110837005	TMW-2	WA	FL-PRO	12/16/2021 10:40	12/17/2021 10:10	1
G2110837005	TMW-2	WA	SW-846 8260B	12/16/2021 10:40	12/17/2021 10:10	5
G2110837005	TMW-2	WA	SW-846 8270C (SIM)	12/16/2021 10:40	12/17/2021 10:10	18
G2110837006	TMW-3	WA	FL-PRO	12/16/2021 11:30	12/17/2021 10:10	1
G2110837006	TMW-3	WA	SW-846 8260B	12/16/2021 11:30	12/17/2021 10:10	5
G2110837006	TMW-3	WA	SW-846 8270C (SIM)	12/16/2021 11:30	12/17/2021 10:10	18

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837001 **Date Collected:** 12/15/2021 13:25 **Matrix:** Soil
Sample ID: SB-4 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	**7.4 I**	mg/Kg	17	6.1	1	12/20/2021 13:30	12/20/2021 20:10	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0019 U	mg/Kg	0.010	0.0019	1	12/20/2021 13:30	12/20/2021 23:21	T
2-Methylnaphthalene	0.0025 U	mg/Kg	0.010	0.0025	1	12/20/2021 13:30	12/20/2021 23:21	T
Acenaphthene	0.0019 U	mg/Kg	0.010	0.0019	1	12/20/2021 13:30	12/20/2021 23:21	T
Acenaphthylene	0.0022 U	mg/Kg	0.010	0.0022	1	12/20/2021 13:30	12/20/2021 23:21	T
Anthracene	0.0031 U	mg/Kg	0.010	0.0031	1	12/20/2021 13:30	12/20/2021 23:21	T
Benzo[a]anthracene	0.0025 U	mg/Kg	0.010	0.0025	1	12/20/2021 13:30	12/20/2021 23:21	T
Benzo[a]pyrene	0.0021 U	mg/Kg	0.010	0.0021	1	12/20/2021 13:30	12/20/2021 23:21	T
Benzo[b]fluoranthene	**0.0022 I**	mg/Kg	0.010	0.0020	1	12/20/2021 13:30	12/20/2021 23:21	T
Benzo[g,h,i]perylene	0.0024 U	mg/Kg	0.010	0.0024	1	12/20/2021 13:30	12/20/2021 23:21	T
Benzo[k]fluoranthene	0.0029 U	mg/Kg	0.010	0.0029	1	12/20/2021 13:30	12/20/2021 23:21	T
Chrysene	0.0036 U	mg/Kg	0.010	0.0036	1	12/20/2021 13:30	12/20/2021 23:21	T
Dibenzo[a,h]anthracene	0.0021 U	mg/Kg	0.010	0.0021	1	12/20/2021 13:30	12/20/2021 23:21	T
Fluoranthene	0.0034 U	mg/Kg	0.010	0.0034	1	12/20/2021 13:30	12/20/2021 23:21	T
Fluorene	0.0027 U	mg/Kg	0.010	0.0027	1	12/20/2021 13:30	12/20/2021 23:21	T
Indeno(1,2,3-cd)pyrene	0.0029 U	mg/Kg	0.010	0.0029	1	12/20/2021 13:30	12/20/2021 23:21	T
Naphthalene	0.0021 U	mg/Kg	0.010	0.0021	1	12/20/2021 13:30	12/20/2021 23:21	T
Phenanthrene	0.0027 U	mg/Kg	0.010	0.0027	1	12/20/2021 13:30	12/20/2021 23:21	T
Pyrene	0.0029 U	mg/Kg	0.010	0.0029	1	12/20/2021 13:30	12/20/2021 23:21	T
(SM 2540G)								
Percent Moisture	**22**	%	0.001	0.0010	1	12/20/2021 19:00	12/20/2021 19:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	**0.018**	mg/Kg	0.0033	0.00054	1	12/20/2021 12:49	12/20/2021 17:57	T
Ethylbenzene	0.00039 U	mg/Kg	0.0033	0.00039	1	12/20/2021 12:49	12/20/2021 17:57	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0033	0.0011	1	12/20/2021 12:49	12/20/2021 17:57	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837001 **Date Collected:** 12/15/2021 13:25 **Matrix:** Soil
Sample ID: SB-4 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	**0.0027 I**	mg/Kg	0.0033	0.00040	1	12/20/2021 12:49	12/20/2021 17:57	T
Xylene (Total)	**0.0018 I**	mg/Kg	0.0066	0.0014	1	12/20/2021 12:49	12/20/2021 17:57	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43	41	97	69 - 134	T
Toluene-d8 (S)	ug/Kg	43	35	83	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	44	102	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.39	99	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.29	73	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.39	98	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	5.40	90	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.70	86	66 - 136	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837002 **Date Collected:** 12/15/2021 12:09 **Matrix:** Soil
Sample ID: SB-9 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	**12 I**	mg/Kg	15	5.3	1	12/20/2021 13:30	12/20/2021 19:16	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0017 U	mg/Kg	0.0089	0.0017	1	12/20/2021 13:30	12/20/2021 22:23	T
2-Methylnaphthalene	0.0022 U	mg/Kg	0.0089	0.0022	1	12/20/2021 13:30	12/20/2021 22:23	T
Acenaphthene	0.0016 U	mg/Kg	0.0089	0.0016	1	12/20/2021 13:30	12/20/2021 22:23	T
Acenaphthylene	0.0019 U	mg/Kg	0.0089	0.0019	1	12/20/2021 13:30	12/20/2021 22:23	T
Anthracene	0.0027 U	mg/Kg	0.0089	0.0027	1	12/20/2021 13:30	12/20/2021 22:23	T
Benzo[a]anthracene	**0.0022 I**	mg/Kg	0.0089	0.0021	1	12/20/2021 13:30	12/20/2021 22:23	T
Benzo[a]pyrene	**0.0027 I**	mg/Kg	0.0089	0.0018	1	12/20/2021 13:30	12/20/2021 22:23	T
Benzo[b]fluoranthene	**0.0049 I**	mg/Kg	0.0089	0.0017	1	12/20/2021 13:30	12/20/2021 22:23	T
Benzo[g,h,i]perylene	**0.0031 I**	mg/Kg	0.0089	0.0021	1	12/20/2021 13:30	12/20/2021 22:23	T
Benzo[k]fluoranthene	0.0025 U	mg/Kg	0.0089	0.0025	1	12/20/2021 13:30	12/20/2021 22:23	T
Chrysene	0.0031 U	mg/Kg	0.0089	0.0031	1	12/20/2021 13:30	12/20/2021 22:23	T
Dibenzo[a,h]anthracene	0.0018 U	mg/Kg	0.0089	0.0018	1	12/20/2021 13:30	12/20/2021 22:23	T
Fluoranthene	0.0030 U	mg/Kg	0.0089	0.0030	1	12/20/2021 13:30	12/20/2021 22:23	T
Fluorene	0.0023 U	mg/Kg	0.0089	0.0023	1	12/20/2021 13:30	12/20/2021 22:23	T
Indeno(1,2,3-cd)pyrene	**0.0032 I**	mg/Kg	0.0089	0.0025	1	12/20/2021 13:30	12/20/2021 22:23	T
Naphthalene	0.0018 U	mg/Kg	0.0089	0.0018	1	12/20/2021 13:30	12/20/2021 22:23	T
Phenanthrene	0.0023 U	mg/Kg	0.0089	0.0023	1	12/20/2021 13:30	12/20/2021 22:23	T
Pyrene	**0.0034 I**	mg/Kg	0.0089	0.0025	1	12/20/2021 13:30	12/20/2021 22:23	T
(SM 2540G)								
Percent Moisture	**11**	%	0.001	0.0010	1	12/20/2021 19:00	12/20/2021 19:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	1	12/20/2021 12:49	12/20/2021 18:25	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	1	12/20/2021 12:49	12/20/2021 18:25	T
Methyl tert-butyl Ether (MTBE)	**0.0011 I**	mg/Kg	0.0030	0.00099	1	12/20/2021 12:49	12/20/2021 18:25	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837002 **Date Collected:** 12/15/2021 12:09 **Matrix:** Soil
Sample ID: SB-9 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	1	12/20/2021 12:49	12/20/2021 18:25	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	1	12/20/2021 12:49	12/20/2021 18:25	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45	46	104	69 - 134	T
Toluene-d8 (S)	ug/Kg	45	36	81	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	45	45	102	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.36	91	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.27	69	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.34	87	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	5.90	5.20	87	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.60	82	66 - 136	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837003 **Date Collected:** 12/16/2021 10:55 **Matrix:** Soil
Sample ID: SB-12 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	**5.7 I**	mg/Kg	15	5.2	1	12/20/2021 13:30	12/20/2021 19:43	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0087	0.0016	1	12/20/2021 13:30	12/20/2021 22:52	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0087	0.0021	1	12/20/2021 13:30	12/20/2021 22:52	T
Acenaphthene	0.0016 U	mg/Kg	0.0087	0.0016	1	12/20/2021 13:30	12/20/2021 22:52	T
Acenaphthylene	**0.0020 I**	mg/Kg	0.0087	0.0019	1	12/20/2021 13:30	12/20/2021 22:52	T
Anthracene	0.0026 U	mg/Kg	0.0087	0.0026	1	12/20/2021 13:30	12/20/2021 22:52	T
Benzo[a]anthracene	**0.0044 I**	mg/Kg	0.0087	0.0021	1	12/20/2021 13:30	12/20/2021 22:52	T
Benzo[a]pyrene	**0.0054 I**	mg/Kg	0.0087	0.0018	1	12/20/2021 13:30	12/20/2021 22:52	T
Benzo[b]fluoranthene	**0.0078 I**	mg/Kg	0.0087	0.0017	1	12/20/2021 13:30	12/20/2021 22:52	T
Benzo[g,h,i]perylene	**0.0048 I**	mg/Kg	0.0087	0.0020	1	12/20/2021 13:30	12/20/2021 22:52	T
Benzo[k]fluoranthene	**0.0029 I**	mg/Kg	0.0087	0.0025	1	12/20/2021 13:30	12/20/2021 22:52	T
Chrysene	**0.0063 I**	mg/Kg	0.0087	0.0031	1	12/20/2021 13:30	12/20/2021 22:52	T
Dibenzo[a,h]anthracene	0.0018 U	mg/Kg	0.0087	0.0018	1	12/20/2021 13:30	12/20/2021 22:52	T
Fluoranthene	**0.0056 I**	mg/Kg	0.0087	0.0029	1	12/20/2021 13:30	12/20/2021 22:52	T
Fluorene	0.0023 U	mg/Kg	0.0087	0.0023	1	12/20/2021 13:30	12/20/2021 22:52	T
Indeno(1,2,3-cd)pyrene	**0.0045 I**	mg/Kg	0.0087	0.0025	1	12/20/2021 13:30	12/20/2021 22:52	T
Naphthalene	0.0018 U	mg/Kg	0.0087	0.0018	1	12/20/2021 13:30	12/20/2021 22:52	T
Phenanthrene	**0.0035 I**	mg/Kg	0.0087	0.0023	1	12/20/2021 13:30	12/20/2021 22:52	T
Pyrene	**0.0089**	mg/Kg	0.0087	0.0025	1	12/20/2021 13:30	12/20/2021 22:52	T
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	12/20/2021 19:00	12/20/2021 19:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00052 U	mg/Kg	0.0031	0.00052	1	12/20/2021 12:49	12/20/2021 18:52	T
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	12/20/2021 12:49	12/20/2021 18:52	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	12/20/2021 12:49	12/20/2021 18:52	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837003 **Date Collected:** 12/16/2021 10:55 **Matrix:** Soil
Sample ID: SB-12 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00039 U	mg/Kg	0.0031	0.00039	1	12/20/2021 12:49	12/20/2021 18:52	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	12/20/2021 12:49	12/20/2021 18:52	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48	50	104	69 - 134	T
Toluene-d8 (S)	ug/Kg	48	38	80	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	48	48	101	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.34	86	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.25	64	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.35	88	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	4.80	80	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.50	78	66 - 136	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837004 **Date Collected:** 12/15/2021 14:57 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	580 U	ug/L	690	580	1	12/20/2021 10:30	12/20/2021 18:36	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.048 I**	ug/L	0.20	0.044	1	12/20/2021 10:30	12/20/2021 18:41	T
2-Methylnaphthalene	**0.054 I**	ug/L	0.20	0.033	1	12/20/2021 10:30	12/20/2021 18:41	T
Acenaphthene	**0.043 I**	ug/L	0.20	0.029	1	12/20/2021 10:30	12/20/2021 18:41	T
Acenaphthylene	0.033 U	ug/L	0.20	0.033	1	12/20/2021 10:30	12/20/2021 18:41	T
Anthracene	0.054 U	ug/L	0.20	0.054	1	12/20/2021 10:30	12/20/2021 18:41	T
Benzo[a]anthracene	0.043 U	ug/L	0.20	0.043	1	12/20/2021 10:30	12/20/2021 18:41	T
Benzo[a]pyrene	0.037 U	ug/L	0.20	0.037	1	12/20/2021 10:30	12/20/2021 18:41	T
Benzo[b]fluoranthene	0.044 U	ug/L	0.10	0.044	1	12/20/2021 10:30	12/20/2021 18:41	T
Benzo[g,h,i]perylene	0.046 U	ug/L	0.20	0.046	1	12/20/2021 10:30	12/20/2021 18:41	T
Benzo[k]fluoranthene	0.028 U	ug/L	0.20	0.028	1	12/20/2021 10:30	12/20/2021 18:41	T
Chrysene	0.031 U	ug/L	0.20	0.031	1	12/20/2021 10:30	12/20/2021 18:41	T
Dibenzo[a,h]anthracene	0.054 U	ug/L	0.20	0.054	1	12/20/2021 10:30	12/20/2021 18:41	T
Fluoranthene	**0.073 I**	ug/L	0.20	0.038	1	12/20/2021 10:30	12/20/2021 18:41	T
Fluorene	**0.063 I**	ug/L	0.20	0.039	1	12/20/2021 10:30	12/20/2021 18:41	T
Indeno(1,2,3-cd)pyrene	0.043 U	ug/L	0.20	0.043	1	12/20/2021 10:30	12/20/2021 18:41	T
Naphthalene	**0.077 I**	ug/L	0.20	0.056	1	12/20/2021 10:30	12/20/2021 18:41	T
Phenanthrene	**0.11 I**	ug/L	0.20	0.037	1	12/20/2021 10:30	12/20/2021 18:41	T
Pyrene	**0.070 I**	ug/L	0.20	0.038	1	12/20/2021 10:30	12/20/2021 18:41	T
VOLATILES (SW-846 5030B/SW-846 8260B)								
Benzene	0.28 U	ug/L	1.0	0.28	1	12/23/2021 14:13	12/24/2021 00:52	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	12/23/2021 14:13	12/24/2021 00:52	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	12/23/2021 14:13	12/24/2021 00:52	T
Toluene	0.66 U	ug/L	1.0	0.66	1	12/23/2021 14:13	12/24/2021 00:52	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	12/23/2021 14:13	12/24/2021 00:52	T

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	43	86	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	T
2-Fluorobiphenyl (S)	ug/L	41	38	93	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	41	39	96	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	41	42	102	41 - 138	T
Nonatricontane-C39 (S)	ug/L	610	540	88	40 - 129	T
o-Terphenyl (S)	ug/L	200	160	78	66 - 139	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837005 **Date Collected:** 12/16/2021 10:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	570 U	ug/L	680	570	1	12/20/2021 10:30	12/20/2021 19:04	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.043 U	ug/L	0.20	0.043	1	12/20/2021 10:30	12/20/2021 19:09	T
2-Methylnaphthalene	0.032 U	ug/L	0.20	0.032	1	12/20/2021 10:30	12/20/2021 19:09	T
Acenaphthene	0.028 U	ug/L	0.20	0.028	1	12/20/2021 10:30	12/20/2021 19:09	T
Acenaphthylene	0.032 U	ug/L	0.20	0.032	1	12/20/2021 10:30	12/20/2021 19:09	T
Anthracene	0.053 U	ug/L	0.20	0.053	1	12/20/2021 10:30	12/20/2021 19:09	T
Benzo[a]anthracene	0.042 U	ug/L	0.20	0.042	1	12/20/2021 10:30	12/20/2021 19:09	T
Benzo[a]pyrene	0.036 U	ug/L	0.20	0.036	1	12/20/2021 10:30	12/20/2021 19:09	T
Benzo[b]fluoranthene	0.043 U	ug/L	0.10	0.043	1	12/20/2021 10:30	12/20/2021 19:09	T
Benzo[g,h,i]perylene	0.045 U	ug/L	0.20	0.045	1	12/20/2021 10:30	12/20/2021 19:09	T
Benzo[k]fluoranthene	0.027 U	ug/L	0.20	0.027	1	12/20/2021 10:30	12/20/2021 19:09	T
Chrysene	0.031 U	ug/L	0.20	0.031	1	12/20/2021 10:30	12/20/2021 19:09	T
Dibenzo[a,h]anthracene	0.053 U	ug/L	0.20	0.053	1	12/20/2021 10:30	12/20/2021 19:09	T
Fluoranthene	0.038 U	ug/L	0.20	0.038	1	12/20/2021 10:30	12/20/2021 19:09	T
Fluorene	0.038 U	ug/L	0.20	0.038	1	12/20/2021 10:30	12/20/2021 19:09	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L	0.20	0.042	1	12/20/2021 10:30	12/20/2021 19:09	T
Naphthalene	**0.059 I**	ug/L	0.20	0.055	1	12/20/2021 10:30	12/20/2021 19:09	T
Phenanthrene	0.036 U	ug/L	0.20	0.036	1	12/20/2021 10:30	12/20/2021 19:09	T
Pyrene	0.037 U	ug/L	0.20	0.037	1	12/20/2021 10:30	12/20/2021 19:09	T
VOLATILES (SW-846 5030B/SW-846 8260B)								
Benzene	0.28 U	ug/L	1.0	0.28	1	12/24/2021 12:48	12/24/2021 14:56	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	12/24/2021 12:48	12/24/2021 14:56	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	12/24/2021 12:48	12/24/2021 14:56	T
Toluene	0.66 U	ug/L	1.0	0.66	1	12/24/2021 12:48	12/24/2021 14:56	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	12/24/2021 12:48	12/24/2021 14:56	T

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	37	75	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	101	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	52	103	86 - 123	T
2-Fluorobiphenyl (S)	ug/L	40	36	90	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	40	37	91	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	40	39	97	41 - 138	T
Nonatricontane-C39 (S)	ug/L	600	500	84	40 - 129	T
o-Terphenyl (S)	ug/L	200	150	76	66 - 139	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Lab ID: G2110837006 **Date Collected:** 12/16/2021 11:30 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 12/17/2021 10:10

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	540 U	ug/L	640	540	1	12/21/2021 14:00	12/21/2021 18:07	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.040 U	ug/L	0.19	0.040	1	12/21/2021 14:00	12/21/2021 20:28	T
2-Methylnaphthalene	0.031 U	ug/L	0.19	0.031	1	12/21/2021 14:00	12/21/2021 20:28	T
Acenaphthene	0.026 U	ug/L	0.19	0.026	1	12/21/2021 14:00	12/21/2021 20:28	T
Acenaphthylene	0.030 U	ug/L	0.19	0.030	1	12/21/2021 14:00	12/21/2021 20:28	T
Anthracene	0.050 U	ug/L	0.19	0.050	1	12/21/2021 14:00	12/21/2021 20:28	T
Benzo[a]anthracene	0.040 U	ug/L	0.19	0.040	1	12/21/2021 14:00	12/21/2021 20:28	T
Benzo[a]pyrene	0.034 U	ug/L	0.19	0.034	1	12/21/2021 14:00	12/21/2021 20:28	T
Benzo[b]fluoranthene	0.041 U	ug/L	0.094	0.041	1	12/21/2021 14:00	12/21/2021 20:28	T
Benzo[g,h,i]perylene	0.042 U	ug/L	0.19	0.042	1	12/21/2021 14:00	12/21/2021 20:28	T
Benzo[k]fluoranthene	0.026 U	ug/L	0.19	0.026	1	12/21/2021 14:00	12/21/2021 20:28	T
Chrysene	0.029 U	ug/L	0.19	0.029	1	12/21/2021 14:00	12/21/2021 20:28	T
Dibenzo[a,h]anthracene	0.050 U	ug/L	0.19	0.050	1	12/21/2021 14:00	12/21/2021 20:28	T
Fluoranthene	0.035 U	ug/L	0.19	0.035	1	12/21/2021 14:00	12/21/2021 20:28	T
Fluorene	0.036 U	ug/L	0.19	0.036	1	12/21/2021 14:00	12/21/2021 20:28	T
Indeno(1,2,3-cd)pyrene	0.040 U	ug/L	0.19	0.040	1	12/21/2021 14:00	12/21/2021 20:28	T
Naphthalene	0.052 U	ug/L	0.19	0.052	1	12/21/2021 14:00	12/21/2021 20:28	T
Phenanthrene	0.034 U	ug/L	0.19	0.034	1	12/21/2021 14:00	12/21/2021 20:28	T
Pyrene	0.035 U	ug/L	0.19	0.035	1	12/21/2021 14:00	12/21/2021 20:28	T
VOLATILES (SW-846 5030B/SW-846 8260B)								
Benzene	0.28 U	ug/L	1.0	0.28	1	12/24/2021 12:48	12/24/2021 15:22	T
Ethylbenzene	0.56 U	ug/L	1.0	0.56	1	12/24/2021 12:48	12/24/2021 15:22	T
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L	1.0	0.71	1	12/24/2021 12:48	12/24/2021 15:22	T
Toluene	0.66 U	ug/L	1.0	0.66	1	12/24/2021 12:48	12/24/2021 15:22	T
Xylene (Total)	1.3 U	ug/L	2.0	1.3	1	12/24/2021 12:48	12/24/2021 15:22	T

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	36	72	70 - 128	T
Toluene-d8 (S)	ug/L	50	51	103	77 - 119	T
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	T
2-Fluorobiphenyl (S)	ug/L	38	32	84	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	38	32	85	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	38	35	92	41 - 138	T
Nonatricontane-C39 (S)	ug/L	570	430	75	40 - 129	T
o-Terphenyl (S)	ug/L	190	140	73	66 - 139	T

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Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: GCSt/1914
Preparation Method: FL-PRO
Associated Lab IDs: G2110837004, G2110837005
Analysis Method: FL-PRO

Method Blank(4142634)

Parameter	Results	Units	PQL	MDL	Lab
TPH	570 U	ug/L		570	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	0.60	0.45	76	40 - 129	
o-Terphenyl (S)	mg/L	0.20	0.15	76	66 - 139	

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: GCSt/1915
Preparation Method: FL-PRO
Associated Lab IDs: G2110837001, G2110837002, G2110837003
Analysis Method: FL-PRO

Method Blank(4142989)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg		4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.30	89	36 - 132	
o-Terphenyl (S)	mg/L	2	1.70	85	66 - 136	

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: GCSt/1920
Preparation Method: FL-PRO
Associated Lab IDs: G2110837006
Analysis Method: FL-PRO

Method Blank(4144526)

Parameter	Results	Units	PQL	MDL	Lab
TPH	570 U	ug/L		570	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	0.60	0.41	68	40 - 129	
o-Terphenyl (S)	mg/L	0.20	0.14	72	66 - 139	

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: MSSt/1571
Preparation Method: SW-846 3510C
Associated Lab IDs: G2110837004, G2110837005
Analysis Method: SW-846 8270C (SIM)

Method Blank(4142622)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.055 U	ug/L		0.055	T
2-Methylnaphthalene	0.032 U	ug/L		0.032	T
1-Methylnaphthalene	0.043 U	ug/L		0.043	T
Acenaphthylene	0.032 U	ug/L		0.032	T
Acenaphthene	0.028 U	ug/L		0.028	T
Fluorene	0.038 U	ug/L		0.038	T
Phenanthrene	0.036 U	ug/L		0.036	T
Anthracene	0.053 U	ug/L		0.053	T
Fluoranthene	0.038 U	ug/L		0.038	T
Pyrene	0.037 U	ug/L		0.037	T
Benzo[a]anthracene	0.042 U	ug/L		0.042	T
Chrysene	0.031 U	ug/L		0.031	T
Benzo[b]fluoranthene	0.043 U	ug/L		0.043	T
Benzo[k]fluoranthene	0.027 U	ug/L		0.027	T
Benzo[a]pyrene	0.036 U	ug/L		0.036	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L		0.042	T
Dibenzo[a,h]anthracene	0.053 U	ug/L		0.053	T
Benzo[g,h,i]perylene	0.045 U	ug/L		0.045	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.04	95	36 - 125	
Nitrobenzene-d5 (S)	mg/L	0.04	0.04	98	34 - 139	
p-Terphenyl-d14 (S)	mg/L	0.04	0.04	104	41 - 138	

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: MSSt/1572
Preparation Method: SW-846 3550B
Associated Lab IDs: G2110837001, G2110837002, G2110837003
Analysis Method: SW-846 8270C (SIM)

Method Blank(4142981)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg		0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg		0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg		0.0015	T
Acenaphthylene	0.0017 U	mg/Kg		0.0017	T
Acenaphthene	0.0015 U	mg/Kg		0.0015	T
Fluorene	0.0021 U	mg/Kg		0.0021	T
Phenanthrene	0.0021 U	mg/Kg		0.0021	T
Anthracene	0.0024 U	mg/Kg		0.0024	T
Fluoranthene	0.0027 U	mg/Kg		0.0027	T
Pyrene	0.0023 U	mg/Kg		0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg		0.0019	T
Chrysene	0.0028 U	mg/Kg		0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg		0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg		0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg		0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg		0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg		0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg		0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.41	102	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.31	78	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.39	98	42 - 141	

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FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: MSSt/1575
Preparation Method: SW-846 3510C
Associated Lab IDs: G2110837006
Analysis Method: SW-846 8270C (SIM)

Method Blank(4144490)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.055 U	ug/L		0.055	T
2-Methylnaphthalene	0.032 U	ug/L		0.032	T
1-Methylnaphthalene	0.043 U	ug/L		0.043	T
Acenaphthylene	0.032 U	ug/L		0.032	T
Acenaphthene	0.028 U	ug/L		0.028	T
Fluorene	0.038 U	ug/L		0.038	T
Phenanthrene	0.036 U	ug/L		0.036	T
Anthracene	0.053 U	ug/L		0.053	T
Fluoranthene	0.038 U	ug/L		0.038	T
Pyrene	0.037 U	ug/L		0.037	T
Benzo[a]anthracene	0.042 U	ug/L		0.042	T
Chrysene	0.031 U	ug/L		0.031	T
Benzo[b]fluoranthene	0.043 U	ug/L		0.043	T
Benzo[k]fluoranthene	0.027 U	ug/L		0.027	T
Benzo[a]pyrene	0.036 U	ug/L		0.036	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L		0.042	T
Dibenzo[a,h]anthracene	0.053 U	ug/L		0.053	T
Benzo[g,h,i]perylene	0.045 U	ug/L		0.045	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	75	36 - 125	
Nitrobenzene-d5 (S)	mg/L	0.04	0.03	78	34 - 139	
p-Terphenyl-d14 (S)	mg/L	0.04	0.03	84	41 - 138	

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Phone: (352) 377-2349
Fax: (352) 395-6639

FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: MSVt/3245
Preparation Method: SW-846 5035
Associated Lab IDs: G2110837001, G2110837002, G2110837003
Analysis Method: SW-846 8260B

Method Blank(4144602)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg		0.00098	T
Benzene	0.00050 U	mg/Kg		0.00050	T
Toluene	0.00037 U	mg/Kg		0.00037	T
Ethylbenzene	0.00036 U	mg/Kg		0.00036	T
Xylene (Total)	0.0013 U	mg/Kg		0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	101	69 - 134	
Bromofluorobenzene (S)	ug/L	50	56	113	79 - 126	
Toluene-d8 (S)	ug/L	50	53	106	72 - 122	

Certificate of Analysis

NELAP Accredited E82001

Advanced Environmental Laboratories, Inc.
4965 SW 41st Bl Gainesville, FL 32608
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (352) 377-2349
Fax: (352) 395-6639

FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: MSVt/3272
Preparation Method: SW-846 5030B
Associated Lab IDs: G2110837004
Analysis Method: SW-846 8260B

Method Blank(4150342)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L		0.71	T
Benzene	0.28 U	ug/L		0.28	T
Toluene	0.66 U	ug/L		0.66	T
Ethylbenzene	0.56 U	ug/L		0.56	T
Xylene (Total)	1.3 U	ug/L		1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	36	72	70 - 128	
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	

Certificate of Analysis

NELAP Accredited E82001

Advanced Environmental Laboratories, Inc.
4965 SW 41st Bl Gainesville, FL 32608
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (352) 377-2349
Fax: (352) 395-6639

FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Results

QC Batch: MSVt/3276
Preparation Method: SW-846 5030B
Associated Lab IDs: G2110837005, G2110837006
Analysis Method: SW-846 8260B

Method Blank(4150401)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.71 U	ug/L		0.71	T
Benzene	0.28 U	ug/L		0.28	T
Toluene	0.66 U	ug/L		0.66	T
Ethylbenzene	0.56 U	ug/L		0.56	T
Xylene (Total)	1.3 U	ug/L		1.3	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	37	74	70 - 128	
Bromofluorobenzene (S)	ug/L	50	50	101	86 - 123	
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	

Certificate of Analysis

NELAP Accredited E82001

Advanced Environmental Laboratories, Inc.
4965 SW 41st Bl Gainesville, FL 32608
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (352) 377-2349
Fax: (352) 395-6639

FINAL

Workorder: SUNSHINE FOOD MART NO 175 (G2110837)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSt/1914 - FL-PRO			
G2110837004	TMW-1	EXTt/2226	FL-PRO
G2110837005	TMW-2	EXTt/2226	FL-PRO
GCSt/1915 - FL-PRO			
G2110837001	SB-4	EXTt/2228	FL-PRO
G2110837002	SB-9	EXTt/2228	FL-PRO
G2110837003	SB-12	EXTt/2228	FL-PRO
GCSt/1920 - FL-PRO			
G2110837006	TMW-3	EXTt/2232	FL-PRO
MSSt/1571 - SW-846 8270C (SIM)			
G2110837004	TMW-1	EXTt/2225	SW-846 3510C
G2110837005	TMW-2	EXTt/2225	SW-846 3510C
MSSt/1572 - SW-846 8270C (SIM)			
G2110837001	SB-4	EXTt/2227	SW-846 3550B
G2110837002	SB-9	EXTt/2227	SW-846 3550B
G2110837003	SB-12	EXTt/2227	SW-846 3550B
MSSt/1575 - SW-846 8270C (SIM)			
G2110837006	TMW-3	EXTt/2231	SW-846 3510C
MSVt/3245 - SW-846 8260B			
G2110837001	SB-4	MSVt/3244	SW-846 5035
G2110837002	SB-9	MSVt/3244	SW-846 5035
G2110837003	SB-12	MSVt/3244	SW-846 5035
MSVt/3272 - SW-846 8260B			
G2110837004	TMW-1	MSVt/3271	SW-846 5030B
MSVt/3276 - SW-846 8260B			
G2110837005	TMW-2	MSVt/3275	SW-846 5030B
G2110837006	TMW-3	MSVt/3275	SW-846 5030B
WCAt/9152 - SM 2540G			
G2110837001	SB-4		
G2110837002	SB-9		
G2110837003	SB-12		

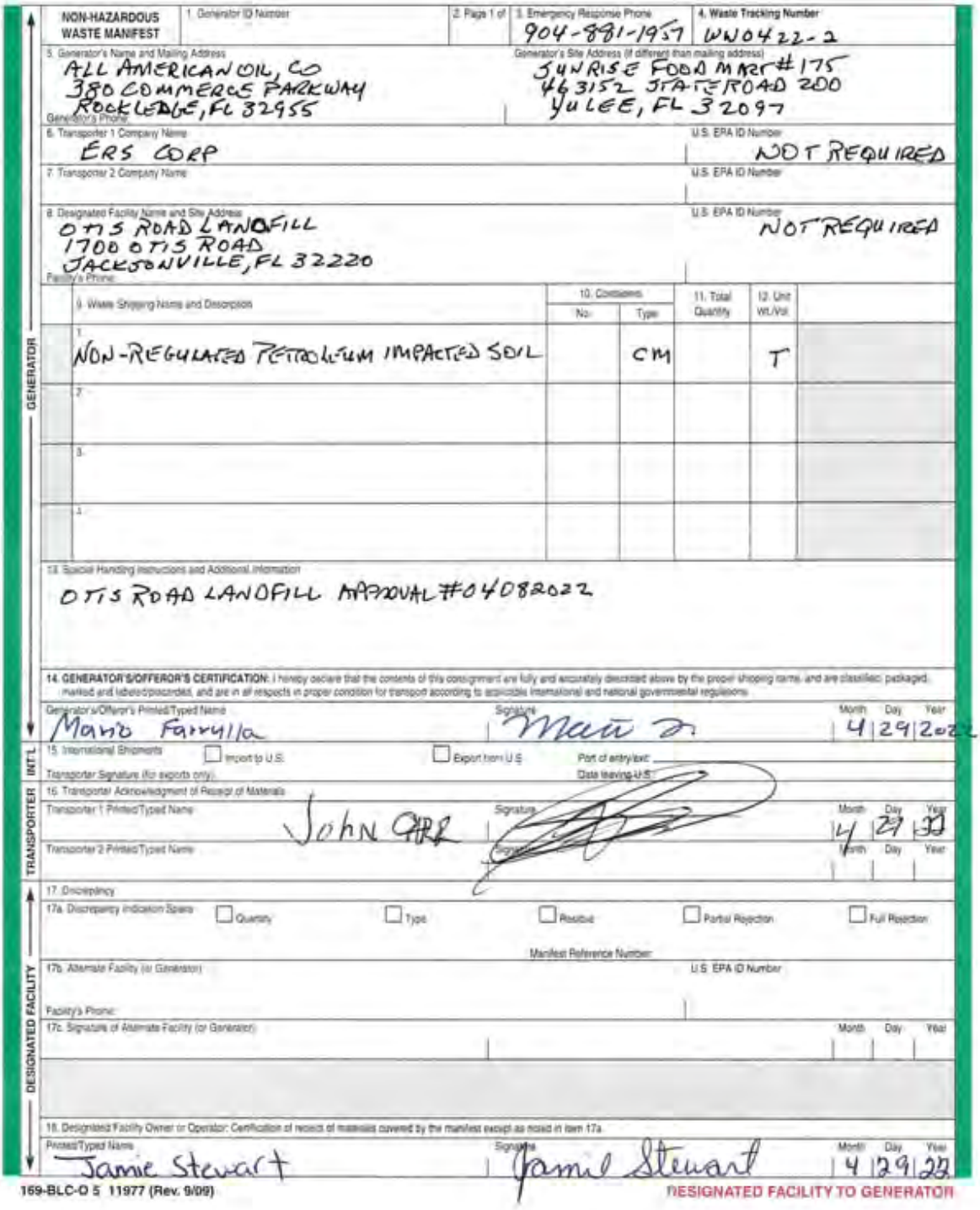
Certificate of Analysis

NELAP Accredited E82001

APPENDIX C

DISPOSAL MANIFEST

SFM 175 Manifest & Weight Ticket.pdf



NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: 904-881-1957

4. Waste Tracking Number: WN0422-2

5. Generator's Name and Mailing Address: ALL AMERICAN OIL, CO, 380 COMMERCE PARKWAY, ROCKLEDGE, FL 32955

Generator's Phone:

Generator's Site Address (if different than mailing address): SUNRISE FOOD MART #175, 463152 STATE ROAD 200, YULEE, FL 32097

6. Transporter 1 Company Name: ERS CORP

U.S. EPA ID Number: NOT REQUIRED

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: OTIS ROAD LANDFILL, 1700 OTIS ROAD, JACKSONVILLE, FL 32220

U.S. EPA ID Number: NOT REQUIRED

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED PETROLEUM IMPACTED SOIL		CM		T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information: OTIS ROAD LANDFILL APPROVAL #04082022

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Mario Farrulla

Signature

Month: 4 Day: 29 Year: 2022

INT'L

15. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: John Carr

Signature

Month: 4 Day: 29 Year: 22

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Jamie Stewart

Signature: Jamie Stewart

Month: 4 Day: 29 Year: 22

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

APPENDIX D

SOURCE REMOVAL FIELD NOTES

FREELAND
Environmental Associates, Inc.

Date: 4/27/2022

FIELD NOTES

Facility Name: Sunrise Food Mart #175
Facility ID: 45/9802278
Address: 463152 State Road 200 Yulee
Observed Weather: Sunny
Temperature: 85°F

Field Tasks:

Interim Source Removal

Purchase Order/Task Order #:

Field Personnel:

NAME/TITLE	COMPANY	VEHICLE	TIME ONSITE	TIME OFFSITE
Emily MacFarland	FEA	Silverado	0630	1745
Mario Farnilla	FEA	Van	0915	1830

Field Observations/Conditions: (damaged wells or equipment, obstructions, equipment downtime, etc.)

Site Activities:

TIME	
0500	Depart for Site
0630	Arrive on Site, Calibrate OVA (see log)
0635	Begin collecting OVA readings from grid pattern over tank farm using hand auger.
0720	Coastal Construction (CCP) on site; begin moving concrete away from work area
0830	Begin removing soil from tank farm
0915	M. Farnilla on location with soil sampling kits; FEA collects OVA samples from sides of tank farm -- sidewalls are sloughing.
1145	Begin tank removal activities
1720	Collect North wall laboratory soil sample at 1 ft bgs
1725	Collect East wall laboratory soil sample at 3 ft bgs
1730	Collect West wall laboratory soil sample at 1 ft. bgs
1740	Collect South wall laboratory soil sample at 3 ft. bgs
1745	E. MacFarland off location
1830	All personnel off location, Site secured.

Additional Notes:

FDEP Correspondence / Task Changes:

Photographs Taken:

Number of Drums Generated:

Attached FDEP Field Forms:

- [x] Calibration Logs
- [ ] GW Sampling Logs
- [ ] Soil Boring Logs
- [ ] MW Construction Logs

Additional Attachments:

- [ ] Site Plan with Sample Locations
- [x] Other OVA headspace

Printed Name: Emily MacFarland Signature: Emily MacFarland

FIELD INSTRUMENT CALIBRATION RECORD

INSTRUMENT (MAKE/MODEL#) MiniRAE Lite Instrument # 590-90648106

PARAMETER: *OVA / PID*

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A *Zero Air, ambient air calibration*

Standard B *Isobutylene-100ppm*

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A,B,C,D)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT,CONT)	CALIBRATED BY
22/4/27	0632	A	0	0.0	—	Y	IC	EM
22/4/27	0633	B	100	100.0	—	Y	IC	EM
22/4/27	0900	B	100	100.0	—	Y	ICV	EM
		B	100				CCV	
		A	0				IC	
		B	100				IC	
		B	100				ICV	
		B	100				CCV	
		A	0				IC	
		B	100				IC	
		B	100				ICV	
		B	100				CCV	
		A	0				IC	
		B	100				IC	
		B	100				ICV	
		B	100				CCV	

Notes: (1) The use of this form implies the manufacturer's instructions are being followed.
(2) This form is intended to meet the requirements of DEP-SOP-001/01, and 62-780 F.A.C., where applicable.

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart No. 175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590 - 90648106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
A1		1				0	
		3				0.2	
		5				0.2	
		7				water	
A2		1				1.5	
		3				0.3	
		5				0.2	
		7				water	
A3		1				0.1	
		3				0.7	
		5				0.1	
		7				water	
A4		1				0.3	
		3				0.4	
		5				0.7	
		7				water	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Famiglia Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-906 48106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
A5		1				0.1	
		3				0.1	
		5				0.2	
		7				water	
A6		1				0	
		3				0	
		5				0.2	
		7				water	
A7		1				0.1	
		3				0	
		5				0.2	
		7				water	
A8		1				0.1	
		3				0	
		5				0.2	
		7				water	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farnilla Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-90648106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
A9		1				0.4	
		3				0.3	
		5				0	
		7				water	
B1		1				0	
		3				0	
		5				tank	
		7				tank	
B2		1				0.1	
		3				0.2	
		5				tank	
		7				tank	
B3		1				0.7	
		3				0.3	
		5				tank	
		7				tank	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farmiga Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590 - 90648106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
B4		1				0.1	
		3				0.1	
		5				tank	
		7				tank	
B5		1				0.2	
		3				0.2	
		5				tank	
		7				tank	
B6		1				9.8	
		3				11.2	
		5				tank	
		7				tank	
B7		1				119.3	
		3				refusal	
		5				tank	
		7				tank	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farmiga Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-906 48106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
B8		1				448.1	
		3				500.0	
		5				tank	
		7				tank	
B9		1				113.2	
		3				38.8	
		5				tank	
		7				tank	
C1		1				0	
		3				0	
		5				tank	
		7				tank	
C2		1				0	
		3				1.6	
		5				tank	
		7				tank	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Familia Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: Mini RAE Lite Serial No.: 590-906 48106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
C3		1				0.8	
		3				2.5	
		5				tank	
		7				tank	
C4		1				12.4	
		3				12.1	
		5				tank	
		7				tank	
C5		1				6.1	
		3				26.8	
		5				tank	
		7				tank	
C6		1				dup	
		3				dup	
		5				dup	
		7				dup	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFanand & Mario Farmilg Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-90648106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
C7		1				22.9	
		3				61.0	
		5				tank	
		7				tank	
C8		1				15.1	
		3				40.0	
		5				tank	
		7				tank	
C9		1				8.5	
		3				7.5	
		5				tank	
		7				tank	
D1		1				0.0	
		3				0.5	
		5				0.4	
		7				water	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farnula Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-906 48106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
D2		1				0	
		3				0.5	
		5				0.7	
		7				water	
D3		1				0.0	
		3				0.1	
		5				0.1	
		7				water	
D4		1				0	
		3				0.2	
		5				0.4	
		7				water	
D5		1				0.1	
		3				0.1	
		5				0	
		7				water	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farnilla Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: Mini RAE Lite Serial No.: 590-906 48106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
D6		1				0.1	
		3				0.1	
		5				0.2	
		7				water	
D7		1				0	
		3				0	
		5				0.3	
		7				water	
D8		1				0.1	
		3				0.1	
		5				0.2	
		7				water	
D9		1				0.1	
		3				0.4	
		5				1.2	
		7				water	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farnilia Date: 4/27/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

Date: 4/28/22

FIELD NOTES

Facility Name: Sunrise Food Mart No. 175

Facility ID: 45/9802278

Address: 463152 State Rd. 200
Tulee, Nassau County, FL

Observed Weather:
Temperature:

Field Tasks:

Purchase Order/Task Order #:

Field Personnel:

NAME/TITLE	COMPANY	VEHICLE	TIME ONSITE	TIME OFFSITE
Mario Farrulla	FEA, INC.	Toyota Corolla	9:10	10:55

Field Observations/Conditions: (damaged wells or equipment, obstructions, equipment downtime, etc.)

Site Activities:

TIME	
8:10	Leave hotel / head to AEL for Sample drop off.
9:10	Arrive onsite
9:12	Open up Roll-off, ~~[illegible]~~ Confirm half fill
9:25	Begin filling - half way
10:24	Coastal begins meeting to discuss water in trench.
10:34	Coastal begins pumping + Backfill
10:55	Offsite / Drive back to office

Additional Notes:

FDEP Correspondence / Task Changes:

Photographs Taken:

Number of Drums Generated:

Attached FDEP Field Forms:

- ☐ Calibration Logs
- ☐ GW Sampling Logs
- ☐ Soil Boring Logs
- ☐ MW Construction Logs

Additional Attachments:

- ☐ Site Plan with Sample Locations
- ☐ Other

Printed Name: Mario Farrulla

Signature: [signature]

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: SR 175

Calibrated by (Print)/Affiliation: Mario Formilla / PBA

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L	Deviation mg DO/L	Pass or Fail
(CAL) ICV CCV	MF	4/27/22	16:59	100%	27.8	100	100.1		+0.1	(P) F
CAL (ICV) CCV	MF	4/27/22	17:00	100%	27.8	100	100.0		—	(P) F
CAL ICV (CCV)	MF	4/27/22	18:05	100%	28.1	100	99.9		-0.1	(P) F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
(CAL) ICV CCV	MF	4/27/22	~~16~~ 12:01	500			500	—	(P) F
CAL (ICV) CCV	MF	4/27/22	12:01	1000			1000	—	(P) F
CAL ICV (CCV)	MF	4/27/22	18:06	1000			1000	—	(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Response (mV)	Pass or Fail
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: SR 175

Calibrated by (Print)/Affiliation: Mario Parrilla/FEA

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID:

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL) ICV CCV	MF	4/27/22	17:09	0.0			0.0		(P) F
CAL (ICV) CCV	MF	4/27/22	17:10	10.0			10.0		(P) F
CAL ICV (CCV)	MF	4/27/22	18:10	10.0			10.0		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID:

	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL) ICV CCV	MF	4/27/22	17:12	7.0			7.01	+0.01	(P) F
CAL (ICV) CCV	MF	4/27/22	17:13	4.01			4.01	—	(P) F
CAL ICV (CCV)	MF	4/27/22	18:11	~~4~~ 7.0			7.0	—	(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Sunrise Food Mart #175	SITE LOCATION: 463152 State Rd, Yulee, Nassau County, FL
WELL NO: ~~MW-1~~ ~~TM~~ TMW-1	SAMPLE ID: TMW-1 — DATE: 4/27/22

PURGING DATA

WELL DIAMETER (inches): 1"	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 2.5 feet to 5 feet	STATIC DEPTH TO WATER (feet): 2.81	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (5 feet – 2.81 feet) X 0.04 gallons/foot = 0.087 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 3.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3.8	PURGING INITIATED AT: 17:42	PURGING ENDED AT: 17:59	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
17:53	~~0.04~~ 0.10	0.10	0.05	—	6.85	26.4	656	0.93	5.99	Dark brown	no odor
17:56	0.05	0.25	0.05	—	6.85	26.4	657	0.93	~~6.07~~	turbid	↓
17:59	0.05	0.40	0.05	—	6.85	26.4	655	0.93	6.07	↓	↓
									5.94		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mario Farrulla	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 18:01	SAMPLING ENDED AT: 18:12
PUMP OR TUBING DEPTH IN WELL (feet): 3.8	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
TMW-1	3	CG	40	HCl	—	—	BTEX+MTBE	APP	160
|	1	AG	250	None	—	—	TRPH	/	300
	1	AG	250	H2SO4	—	—	PAH	/	300

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FREELAND
Environmental Associates, Inc.

Date: 4/26/2022

FIELD NOTES

Facility Name: Sunrise Food Mart NO. 175
Facility ID: 45/9802278
Address: 463152 SR 200 Yulee
Observed Weather: Sunny
Temperature: 80°F

Field Tasks:

Tank Closure & Removal Day 1

Purchase Order/Task Order #:

Field Personnel:

NAME/TITLE	COMPANY	VEHICLE	TIME ONSITE	TIME OFFSITE
Mario Farnulla	FEA	Dodge Van	0930	1700
Emily MacFarland	FEA	Silverado	0930	1700

Field Observations/Conditions: (damaged wells or equipment, obstructions, equipment downtime, etc.)

Site Activities:

TIME	
0930	Arrive on site; Coastal Construction & Petroleum Services (CCP) on site; concrete is not cut or broken up. FEA reviews Scope of work, waits for concrete to be removed.
1230	Enough concrete is broken around dispenser islands to begin taking OVA headspace readings. (See logs)
1520	Begin removing concrete over tank.
1627	Begin removing soils from top of tank to determine water table.
1645	Put soils back in hole, will excavate tomorrow
1700	Secure site, all personnel off location.

Additional Notes:

FDEP Correspondence / Task Changes:

Photographs Taken:

Number of Drums Generated:

Attached FDEP Field Forms:

- [x] Calibration Logs
- [ ] GW Sampling Logs
- [ ] Soil Boring Logs
- [ ] MW Construction Logs

Additional Attachments:

- [x] Site Plan with Sample Locations
- [x] Other OVA headspace

Printed Name: Emily MacFarland Signature: Emily MacFarland

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Calibrated by (Print)/Affiliation: E. MacFarland | FEA

Boldly "X" this box if there is qualified data on this page. ☐

ORGANIC VAPOR ANALYZER (OVA)

REFERENCE: ***Portable Instruments User's Manual For Monitoring VOC Sources*** **, EPA-340/1-86-015, June 1986**

Acceptance Criteria +/-5% the standard

Meter/Instrument Name and Unique ID: MiniRAE Lite 590-90648106

	Initials	Date	Time	Standard (ppm)	Exp. Date	Lot #	Response (ppm)	Deviation (ppm)	Pass or Fail
CAL (circled) ICV CCV	Em	4/26	1210	Ambient Air	–	–	0.0	–	**P** (circled) F
CAL (circled) ICV CCV	Em	4/26	1211	Isobutylene			100.0	–	**P** (circled) F
CAL **ICV** (circled) CCV	EM	4/26	1510	Isobutylene			99.9	-0.1	**P** (circled) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
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CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
									P F

Notes (e.g. corrective actions, etc):

Perform only in Calibrate Mode: CAL - Calibrate

Perform only in Read/Run Mode: ICV - Initial Calibration Verification

Perform only in Read/Run Mode: CCV - Continuing Calibration Verification

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-90648106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
DI 9/10		1				0	
		2				0	
		3				0	Lab Sample 4/27
		4				0	
DI 11/12		1				0	
		2				0	Lab Sample 4/27
		3				0	
		4				0	
DI 3/4		1				0	
		2				0	Lab Sample 4/27
		3				0	
		4				0	
DI 1/2		1				0	
		2				0	Lab Sample 4/27
		3				0	
		4				0	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farmula Date: 4/26/2022

Reviewed by: _____ Date: _____

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart #175

INSTRUCTION DESCRIPTION

Description: MiniRAE Lite Serial No.: 590-906 4B106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
PL 1		1				0	
		2				0	Lab sample 4/27
		3				0	
		4				0	
PL 2		1				0	
		2				0	Lab sample 4/27
		3				0	
		4				0	

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Emily MacFarland & Mario Farnilla Date: 4/26/2022

Reviewed by: _____ Date: _____


STATE ROAD 200
GRASS
POWER POLE
SIDEWALK
MANHOLE
SIDEWALK
GRASS
SIDEWALK
DI 7/8
ASPHALT
PL-3
DI 3/4
PL-1
DI 9/10
CANOPY
DISP.
PL-2
DI 11/12
DISP.
DISP.
DI 1/2
ASPHALT
PL-4
DISP.
DI 5/6
ASPHALT
TANK FARM
TMW-1
excavated area
US HIGHWAY 17
GRASS
SIDEWALK
ASPHALT
POWER POLE
GRASS
SUNRISE FOOD MART 175
ASPHALT
AIR/VACUUM
ASPHALT
GRASS
SIDEWALK
POWER POLE
GRASS
WOODED
DUMPSTER
WOODED
EXPLANATION
PROPERTY BOUNDARY LINE
STORM DRAIN
FIRE HYDRANT
Distances between dispenser islands = 27.5 ft.
N
0
30'
FREELAND
Environmental Associates, Inc.
FIGURE 2
SITE PLAN
SUNRISE FOOD MART #175
463152 STATE ROAD 200
YULEE, FLORIDA 32097
Drawn By: EM
Checked By: MG
Scale: 1" = 30'
Date: 6/4/22
File: FIG 2 SITE PLAN

FREELAND
Environmental Associates, Inc.

Date: 5/19/2022

FIELD NOTES

Facility Name: Sunrise Food Mart #175
Facility ID: 45/9802278
Address: 46 3152 SR 202 Yulee
Observed Weather: Sunny
Temperature: 75°F

Field Tasks:

Confirmatory Soil Sample DI 7/8

Purchase Order/Task Order #:

Field Personnel:

NAME/TITLE	COMPANY	VEHICLE	TIME ONSITE	TIME OFFSITE
Emily MacFarland	FEA	Silverado	1500	1515

Field Observations/Conditions: (damaged wells or equipment, obstructions, equipment downtime, etc.)

Site Activities:

TIME	
1500	Arrive on Site, check in w/ Store
1510	Collect lab sample via hand augering
1515	Personnel off location.

Additional Notes:

FDEP Correspondence / Task Changes:

Photographs Taken:

Number of Drums Generated:

Attached FDEP Field Forms:

- [x] Calibration Logs
- [ ] GW Sampling Logs
- [ ] Soil Boring Logs
- [ ] MW Construction Logs

Additional Attachments:

- [ ] Site Plan with Sample Locations
- [x] Other OVA headspace

Printed Name: Emily MacFarland Signature: Emily MacFarland

FIELD INSTRUMENT CALIBRATION RECORD

INSTRUMENT (MAKE/MODEL#) MiniRAE Lite Instrument # 590-90648106

PARAMETER: *OVA / PID*

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A *Zero Air, ambient air calibration*

Standard B *Isobutylene-100ppm*

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A,B,C,D)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT,CONT)	CALIBRATED BY
22/5/19	1007	A	0	0.0	-	Y	IC	EM
	1008	B	100	100.0	-	Y	IC	EM
		B	100				ICV	
		B	100				CCV	
		A	0				IC	
		B	100				IC	
		B	100				ICV	
		B	100				CCV	
		A	0				IC	
		B	100				IC	
		B	100				ICV	
		B	100				CCV	
		A	0				IC	
		B	100				IC	
		B	100				ICV	
		B	100				CCV	

Notes: (1) The use of this form implies the manufacturer's instructions are being followed.
(2) This form is intended to meet the requirements of DEP-SOP-001/01, and 62-780 F.A.C., where applicable.

FREELAND
Environmental Associates, Inc.

OVA HEADSPACE DATA FORM

PROJECT INFORMATION

Project No.: Sunrise Food Mart No. 175

INSTRUCTION DESCRIPTION

Description: Mini RAE Lite Serial No.: 590-90648106

DATA

Location Description	Time	Depth (feet)	Bkg (ppm)	Unfiltered Total Bkg (ppm)	Filtered Meth-Bkg (ppm)	Net Organic Vapor	Comments
Conf. 7/8		1				2.1	
		2				0	
		3				0.2	Lab Sample

Note: Bkg = background Meth = methane ppm = parts per million

SIGNATURES (Signed Initials)

Sampled by: Quincy MacFarland Date: 5/19/2022

Reviewed by: _____ Date: _____

APPENDIX E

SOURCE REMOVAL LABORATORY ANALYTICAL REPORTS

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

May 09, 2022

Michael Garbee
Freeland Environmental Associates, Inc.
1356 Willow Branch Ave
Jacksonville, FL 32205

RE: Workorder: J2205666 Sunrise Food Mart #175

Dear Michael Garbee:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday April 28, 2022. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Todd Romero

Todd Romero, Sales
tromero@aellab.com

Certificate of Analysis

POWERED BY HORIZON v.13.0.0

NELAP Accredited E82574

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2205666009	TMW-1	WA	FL-PRO	04/27/2022 18:01	04/28/2022 11:12	1	NA
J2205666009	TMW-1	WA	SW-846 8260B	04/27/2022 18:01	04/28/2022 11:12	5	NA
J2205666009	TMW-1	WA	SW-846 8270C (SIM)	04/27/2022 18:01	04/28/2022 11:12	18	NA
J2205666005	North Wall	SO	FL-PRO	04/27/2022 17:20	04/28/2022 11:12	1	Dry
J2205666005	North Wall	SO	SM 2540G	04/27/2022 17:20	04/28/2022 11:12	1	Dry
J2205666005	North Wall	SO	SW-846 8260B	04/27/2022 17:20	04/28/2022 11:12	5	Dry
J2205666005	North Wall	SO	SW-846 8270C (SIM)	04/27/2022 17:20	04/28/2022 11:12	18	Dry
J2205666006	East Wall	SO	FL-PRO	04/27/2022 17:25	04/28/2022 11:12	1	Dry
J2205666006	East Wall	SO	SM 2540G	04/27/2022 17:25	04/28/2022 11:12	1	Dry
J2205666006	East Wall	SO	SW-846 8260B	04/27/2022 17:25	04/28/2022 11:12	5	Dry
J2205666006	East Wall	SO	SW-846 8270C (SIM)	04/27/2022 17:25	04/28/2022 11:12	18	Dry
J2205666007	West Wall	SO	FL-PRO	04/27/2022 17:30	04/28/2022 11:12	1	Dry
J2205666007	West Wall	SO	SM 2540G	04/27/2022 17:30	04/28/2022 11:12	1	Dry
J2205666007	West Wall	SO	SW-846 8260B	04/27/2022 17:30	04/28/2022 11:12	5	Dry
J2205666007	West Wall	SO	SW-846 8270C (SIM)	04/27/2022 17:30	04/28/2022 11:12	18	Dry
J2205666008	South Wall	SO	FL-PRO	04/27/2022 17:40	04/28/2022 11:12	1	Dry
J2205666008	South Wall	SO	SM 2540G	04/27/2022 17:40	04/28/2022 11:12	1	Dry
J2205666008	South Wall	SO	SW-846 8260B	04/27/2022 17:40	04/28/2022 11:12	5	Dry
J2205666008	South Wall	SO	SW-846 8270C (SIM)	04/27/2022 17:40	04/28/2022 11:12	18	Dry

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666009 **Date Collected:** 04/27/2022 18:01 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	600 U	ug/L	680	600	1	04/29/2022 08:00	05/03/2022 09:29	J
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.20 U	ug/L	0.20	0.20	1	04/29/2022 08:00	05/03/2022 16:46	J
2-Methylnaphthalene	0.20 U	ug/L	0.20	0.20	1	04/29/2022 08:00	05/03/2022 16:46	J
Acenaphthene	0.16 U	ug/L	0.20	0.16	1	04/29/2022 08:00	05/03/2022 16:46	J
Acenaphthylene	0.17 U	ug/L	0.20	0.17	1	04/29/2022 08:00	05/03/2022 16:46	J
Anthracene	0.14 U	ug/L	0.20	0.14	1	04/29/2022 08:00	05/03/2022 16:46	J
Benzo[a]anthracene	0.049 U	ug/L	0.20	0.049	1	04/29/2022 08:00	05/03/2022 16:46	J
Benzo[a]pyrene	0.15 U	ug/L	0.20	0.15	1	04/29/2022 08:00	05/03/2022 16:46	J
Benzo[b]fluoranthene	0.050 U	ug/L	0.10	0.050	1	04/29/2022 08:00	05/03/2022 16:46	J
Benzo[g,h,i]perylene	0.19 U	ug/L	0.20	0.19	1	04/29/2022 08:00	05/03/2022 16:46	J
Benzo[k]fluoranthene	0.19 U	ug/L	0.20	0.19	1	04/29/2022 08:00	05/03/2022 16:46	J
Chrysene	0.13 U	ug/L	0.20	0.13	1	04/29/2022 08:00	05/03/2022 16:46	J
Dibenzo[a,h]anthracene	0.095 U	ug/L	0.20	0.095	1	04/29/2022 08:00	05/03/2022 16:46	J
Fluoranthene	0.15 U	ug/L	0.20	0.15	1	04/29/2022 08:00	05/03/2022 16:46	J
Fluorene	0.15 U	ug/L	0.20	0.15	1	04/29/2022 08:00	05/03/2022 16:46	J
Indeno(1,2,3-cd)pyrene	0.045 U	ug/L	0.20	0.045	1	04/29/2022 08:00	05/03/2022 16:46	J
Naphthalene	0.19 U	ug/L	0.20	0.19	1	04/29/2022 08:00	05/03/2022 16:46	J
Phenanthrene	0.16 U	ug/L	0.20	0.16	1	04/29/2022 08:00	05/03/2022 16:46	J
Pyrene	0.14 U	ug/L	0.20	0.14	1	04/29/2022 08:00	05/03/2022 16:46	J
VOLATILES (SW-846 5030B/SW-846 8260B)								
Benzene	0.25 U	ug/L	1.0	0.25	1	04/29/2022 09:43	04/30/2022 14:15	J
Ethylbenzene	0.25 U	ug/L	1.0	0.25	1	04/29/2022 09:43	04/30/2022 14:15	J
Methyl tert-butyl Ether (MTBE)	**0.52 I**	ug/L	1.0	0.25	1	04/29/2022 09:43	04/30/2022 14:15	J
Toluene	0.25 U	ug/L	1.0	0.25	1	04/29/2022 09:43	04/30/2022 14:15	J
Xylene (Total)	0.75 U	ug/L	3.0	0.75	1	04/29/2022 09:43	04/30/2022 14:15	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Analysis Results Comments

SEMIVOLATILES

File E01A075

o-Terphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	95	70 - 128	J
Toluene-d8 (S)	ug/L	50	49	98	77 - 119	J
Bromofluorobenzene (S)	ug/L	50	50	100	86 - 123	J
2-Fluorobiphenyl (S)	ug/L	40	23	58	36 - 125	J
Nitrobenzene-d5 (S)	ug/L	40	25	61	34 - 139	J
p-Terphenyl-d14 (S)	ug/L	40	25	62	41 - 138	J
Nonatricontane-C39 (S)	ug/L	600	360	60	40 - 129	J
o-Terphenyl (S)	ug/L	200	110	**53**	66 - 139	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666005 **Date Collected:** 04/27/2022 17:20 **Matrix:** Soil
Sample ID: North Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	53 U	mg/Kg	92	53	5	05/03/2022 09:00	05/05/2022 05:16	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
2-Methylnaphthalene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Acenaphthene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Acenaphthylene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Anthracene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Benzo[a]anthracene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Benzo[a]pyrene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Benzo[b]fluoranthene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Benzo[g,h,i]perylene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Benzo[k]fluoranthene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Chrysene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Dibenzo[a,h]anthracene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Fluoranthene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Fluorene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Indeno(1,2,3-cd)pyrene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Naphthalene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Phenanthrene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
Pyrene	0.022 U	mg/Kg	0.043	0.022	5	05/03/2022 09:00	05/04/2022 20:07	J
(SM 2540G)								
Percent Moisture	**8**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.0010 U	mg/Kg	0.0040	0.0010	1	05/02/2022 10:54	05/02/2022 13:53	J
Ethylbenzene	0.0010 U	mg/Kg	0.0040	0.0010	1	05/02/2022 10:54	05/02/2022 13:53	J
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0040	0.0010	1	05/02/2022 10:54	05/02/2022 13:53	J
Toluene	0.0010 U	mg/Kg	0.0040	0.0010	1	05/02/2022 10:54	05/02/2022 13:53	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666005 **Date Collected:** 04/27/2022 17:20 **Matrix:** Soil
Sample ID: North Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Xylene (Total)	0.0030 U	mg/Kg	0.012	0.0030	1	05/02/2022 10:54	05/02/2022 13:53	J

Analysis Results Comments

o-Terphenyl

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	62	60	96	69 - 134	J
Toluene-d8 (S)	ug/Kg	62	60	97	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	62	68	109	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.29	73	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.32	79	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.32	80	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.30	88	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.30	**64**	66 - 136	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666006 **Date Collected:** 04/27/2022 17:25 **Matrix:** Soil
Sample ID: East Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	11 U	mg/Kg	20	11	1	05/03/2022 09:00	05/05/2022 05:48	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
2-Methylnaphthalene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Acenaphthene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Acenaphthylene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Anthracene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Benzo[a]anthracene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Benzo[a]pyrene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Benzo[b]fluoranthene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Benzo[g,h,i]perylene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Benzo[k]fluoranthene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Chrysene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Dibenzo[a,h]anthracene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Fluoranthene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Fluorene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Indeno(1,2,3-cd)pyrene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Naphthalene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Phenanthrene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
Pyrene	0.0047 U	mg/Kg	0.0093	0.0047	1	05/03/2022 09:00	05/04/2022 20:34	J
(SM 2540G)								
Percent Moisture	**14**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.0011 U	mg/Kg	0.0044	0.0011	1	05/02/2022 10:54	05/02/2022 14:19	J
Ethylbenzene	0.0011 U	mg/Kg	0.0044	0.0011	1	05/02/2022 10:54	05/02/2022 14:19	J
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0044	0.0011	1	05/02/2022 10:54	05/02/2022 14:19	J
Toluene	0.0011 U	mg/Kg	0.0044	0.0011	1	05/02/2022 10:54	05/02/2022 14:19	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666006 **Date Collected:** 04/27/2022 17:25 **Matrix:** Soil
Sample ID: East Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Xylene (Total)	0.0033 U	mg/Kg	0.013	0.0033	1	05/02/2022 10:54	05/02/2022 14:19	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	63	58	93	69 - 134	J
Toluene-d8 (S)	ug/Kg	63	61	98	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	63	69	110	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.35	88	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.37	93	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.35	87	42 - 141	J
o-Terphenyl (S)	mg/Kg	2	1.60	78	66 - 136	J
Nonatricontane-C39 (S)	mg/Kg	6	4.90	82	36 - 132	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666007 **Date Collected:** 04/27/2022 17:30 **Matrix:** Soil
Sample ID: West Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	58 U	mg/Kg	100	58	5	05/03/2022 09:00	05/05/2022 06:19	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
2-Methylnaphthalene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Acenaphthene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Acenaphthylene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Anthracene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Benzo[a]anthracene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Benzo[a]pyrene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Benzo[b]fluoranthene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Benzo[g,h,i]perylene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Benzo[k]fluoranthene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Chrysene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Dibenzo[a,h]anthracene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Fluoranthene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Fluorene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Indeno(1,2,3-cd)pyrene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Naphthalene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Phenanthrene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
Pyrene	0.024 U	mg/Kg	0.047	0.024	5	05/03/2022 09:00	05/04/2022 21:01	J
(SM 2540G)								
Percent Moisture	**16**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00091 U	mg/Kg	0.0037	0.00091	1	05/02/2022 10:54	05/02/2022 14:44	J
Ethylbenzene	0.00091 U	mg/Kg	0.0037	0.00091	1	05/02/2022 10:54	05/02/2022 14:44	J
Methyl tert-butyl Ether (MTBE)	0.00091 U	mg/Kg	0.0037	0.00091	1	05/02/2022 10:54	05/02/2022 14:44	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666007 **Date Collected:** 04/27/2022 17:30 **Matrix:** Soil
Sample ID: West Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00091 U	mg/Kg	0.0037	0.00091	1	05/02/2022 10:54	05/02/2022 14:44	J
Xylene (Total)	0.0027 U	mg/Kg	0.011	0.0027	1	05/02/2022 10:54	05/02/2022 14:44	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51	48	94	69 - 134	J
Toluene-d8 (S)	ug/Kg	51	52	101	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	51	54	106	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.30	74	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.30	75	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.33	83	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.70	95	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.50	73	66 - 136	J

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Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666008 **Date Collected:** 04/27/2022 17:40 **Matrix:** Soil
Sample ID: South Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	11 U	mg/Kg	19	11	1	05/03/2022 09:00	05/05/2022 06:50	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
2-Methylnaphthalene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Acenaphthene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Acenaphthylene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Anthracene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Benzo[a]anthracene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Benzo[a]pyrene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Benzo[b]fluoranthene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Benzo[g,h,i]perylene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Benzo[k]fluoranthene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Chrysene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Dibenzo[a,h]anthracene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Fluoranthene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Fluorene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Indeno(1,2,3-cd)pyrene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Naphthalene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Phenanthrene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
Pyrene	0.0044 U	mg/Kg	0.0087	0.0044	1	05/03/2022 09:00	05/04/2022 21:28	J
(SM 2540G)								
Percent Moisture	**9**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00098 U	mg/Kg	0.0039	0.00098	1	05/02/2022 10:54	05/02/2022 15:10	J
Ethylbenzene	0.00098 U	mg/Kg	0.0039	0.00098	1	05/02/2022 10:54	05/02/2022 15:10	J
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0039	0.00098	1	05/02/2022 10:54	05/02/2022 15:10	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

Analytical Results

Lab ID: J2205666008 **Date Collected:** 04/27/2022 17:40 **Matrix:** Soil
Sample ID: South Wall **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00098 U	mg/Kg	0.0039	0.00098	1	05/02/2022 10:54	05/02/2022 15:10	J
Xylene (Total)	0.0029 U	mg/Kg	0.012	0.0029	1	05/02/2022 10:54	05/02/2022 15:10	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	60	54	90	69 - 134	J
Toluene-d8 (S)	ug/Kg	60	59	99	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	60	66	110	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.32	81	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	88	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.34	85	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	4.80	81	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.40	70	66 - 136	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

QC Results

QC Batch: GCSj/3155
Preparation Method: FL-PRO
Associated Lab IDs: J2205666009
Analysis Method: FL-PRO

Method Blank(4294844)

Parameter	Results	Units	PQL	MDL	Lab
TPH	600 U	ug/L	680	600	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	0.60	0.34	57	40 - 129	
o-Terphenyl (S)	mg/L	0.20	0.13	66	66 - 139	

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FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

QC Results

QC Batch: GCSj/3166 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: J2205666001, J2205666002, J2205666003, J2205666004, J2205666005, J2205666006, J2205666007, J2205666008

Method Blank(4298765)

Parameter	Results	Units	PQL	MDL	Lab
TPH	9.8 U	mg/Kg	17	9.8	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	4.10	68	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	80	66 - 136	

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FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

QC Results

QC Batch: MSSj/2098
Preparation Method: SW-846 3510C
Associated Lab IDs: J2205666009
Analysis Method: SW-846 8270C (SIM)

Method Blank(4294840)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.19 U	ug/L	0.20	0.19	J
2-Methylnaphthalene	0.20 U	ug/L	0.20	0.20	J
1-Methylnaphthalene	0.20 U	ug/L	0.20	0.20	J
Acenaphthylene	0.17 U	ug/L	0.20	0.17	J
Acenaphthene	0.16 U	ug/L	0.20	0.16	J
Fluorene	0.15 U	ug/L	0.20	0.15	J
Phenanthrene	0.16 U	ug/L	0.20	0.16	J
Anthracene	0.14 U	ug/L	0.20	0.14	J
Fluoranthene	0.15 U	ug/L	0.20	0.15	J
Pyrene	0.14 U	ug/L	0.20	0.14	J
Benzo[a]anthracene	0.049 U	ug/L	0.20	0.049	J
Chrysene	0.13 U	ug/L	0.20	0.13	J
Benzo[b]fluoranthene	0.050 U	ug/L	0.10	0.050	J
Benzo[k]fluoranthene	0.19 U	ug/L	0.20	0.19	J
Benzo[a]pyrene	0.15 U	ug/L	0.20	0.15	J
Indeno(1,2,3-cd)pyrene	0.045 U	ug/L	0.20	0.045	J
Dibenzo[a,h]anthracene	0.095 U	ug/L	0.20	0.095	J
Benzo[g,h,i]perylene	0.19 U	ug/L	0.20	0.19	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	63	36 - 125	
Nitrobenzene-d5 (S)	mg/L	0.04	0.03	64	34 - 139	
p-Terphenyl-d14 (S)	mg/L	0.04	0.03	77	41 - 138	

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FINAL

Workorder: Sunrise Food Mart #175 (J2205666)

QC Results

QC Batch: MSSj/2110 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: J2205666001, J2205666002, J2205666003, J2205666004, J2205666005, J2205666006, J2205666007, J2205666008

Method Blank(4298759)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0040 U	mg/Kg	0.0080	0.0040	J
2-Methylnaphthalene	0.0040 U	mg/Kg	0.0080	0.0040	J
1-Methylnaphthalene	0.0040 U	mg/Kg	0.0080	0.0040	J
Acenaphthylene	0.0040 U	mg/Kg	0.0080	0.0040	J
Acenaphthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Fluorene	0.0040 U	mg/Kg	0.0080	0.0040	J
Phenanthrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Anthracene	0.0040 U	mg/Kg	0.0080	0.0040	J
Fluoranthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Pyrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[a]anthracene	0.0040 U	mg/Kg	0.0080	0.0040	J
Chrysene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[b]fluoranthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[k]fluoranthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[a]pyrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Indeno(1,2,3-cd)pyrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Dibenzo[a,h]anthracene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[g,h,i]perylene	0.0040 U	mg/Kg	0.0080	0.0040	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.31	77	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.31	78	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.41	103	42 - 141	

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Workorder: Sunrise Food Mart #175 (J2205666)

QC Results

QC Batch: MSVj/3880
Preparation Method: SW-846 5030B
Associated Lab IDs: J2205666009
Analysis Method: SW-846 8260B

Method Blank(4296330)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.25 U	ug/L	1.0	0.25	J
Benzene	0.25 U	ug/L	1.0	0.25	J
Toluene	0.25 U	ug/L	1.0	0.25	J
Ethylbenzene	0.25 U	ug/L	1.0	0.25	J
Xylene (Total)	0.75 U	ug/L	3.0	0.75	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	47	94	70 - 128	
Bromofluorobenzene (S)	ug/L	50	50	100	86 - 123	
Toluene-d8 (S)	ug/L	50	49	97	77 - 119	

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Workorder: Sunrise Food Mart #175 (J2205666)

QC Results

QC Batch: MSVj/3903 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: J2205666001, J2205666002, J2205666003, J2205666004, J2205666005, J2205666006, J2205666007, J2205666008

Method Blank(4297569)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.00075 U	mg/Kg	0.0030	0.00075	J
Benzene	0.00075 U	mg/Kg	0.0030	0.00075	J
Toluene	0.00075 U	mg/Kg	0.0030	0.00075	J
Ethylbenzene	0.00075 U	mg/Kg	0.0030	0.00075	J
Xylene (Total)	0.0022 U	mg/Kg	0.0090	0.0022	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	69 - 134	
Bromofluorobenzene (S)	ug/L	50	51	101	79 - 126	
Toluene-d8 (S)	ug/L	50	48	97	72 - 122	

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Workorder: Sunrise Food Mart #175 (J2205666)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/3155 - FL-PRO			
J2205666009	TMW-1	EXTj/3951	FL-PRO
GCSj/3166 - FL-PRO			
J2205666005	North Wall	EXTj/3982	FL-PRO
J2205666006	East Wall	EXTj/3982	FL-PRO
J2205666007	West Wall	EXTj/3982	FL-PRO
J2205666008	South Wall	EXTj/3982	FL-PRO
MSSj/2098 - SW-846 8270C (SIM)			
J2205666009	TMW-1	EXTj/3950	SW-846 3510C
MSSj/2110 - SW-846 8270C (SIM)			
J2205666005	North Wall	EXTj/3981	SW-846 3550B
J2205666006	East Wall	EXTj/3981	SW-846 3550B
J2205666007	West Wall	EXTj/3981	SW-846 3550B
J2205666008	South Wall	EXTj/3981	SW-846 3550B
MSVj/3880 - SW-846 8260B			
J2205666009	TMW-1	MSVj/3879	SW-846 5030B
MSVj/3903 - SW-846 8260B			
J2205666005	North Wall	MSVj/3902	SW-846 5035
J2205666006	East Wall	MSVj/3902	SW-846 5035
J2205666007	West Wall	MSVj/3902	SW-846 5035
J2205666008	South Wall	MSVj/3902	SW-846 5035

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Workorder: Sunrise Food Mart #175 (J2205666)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAj/5791 - SM 2540G			
J2205666005	North Wall		
J2205666006	East Wall		
J2205666007	West Wall		
J2205666008	South Wall		

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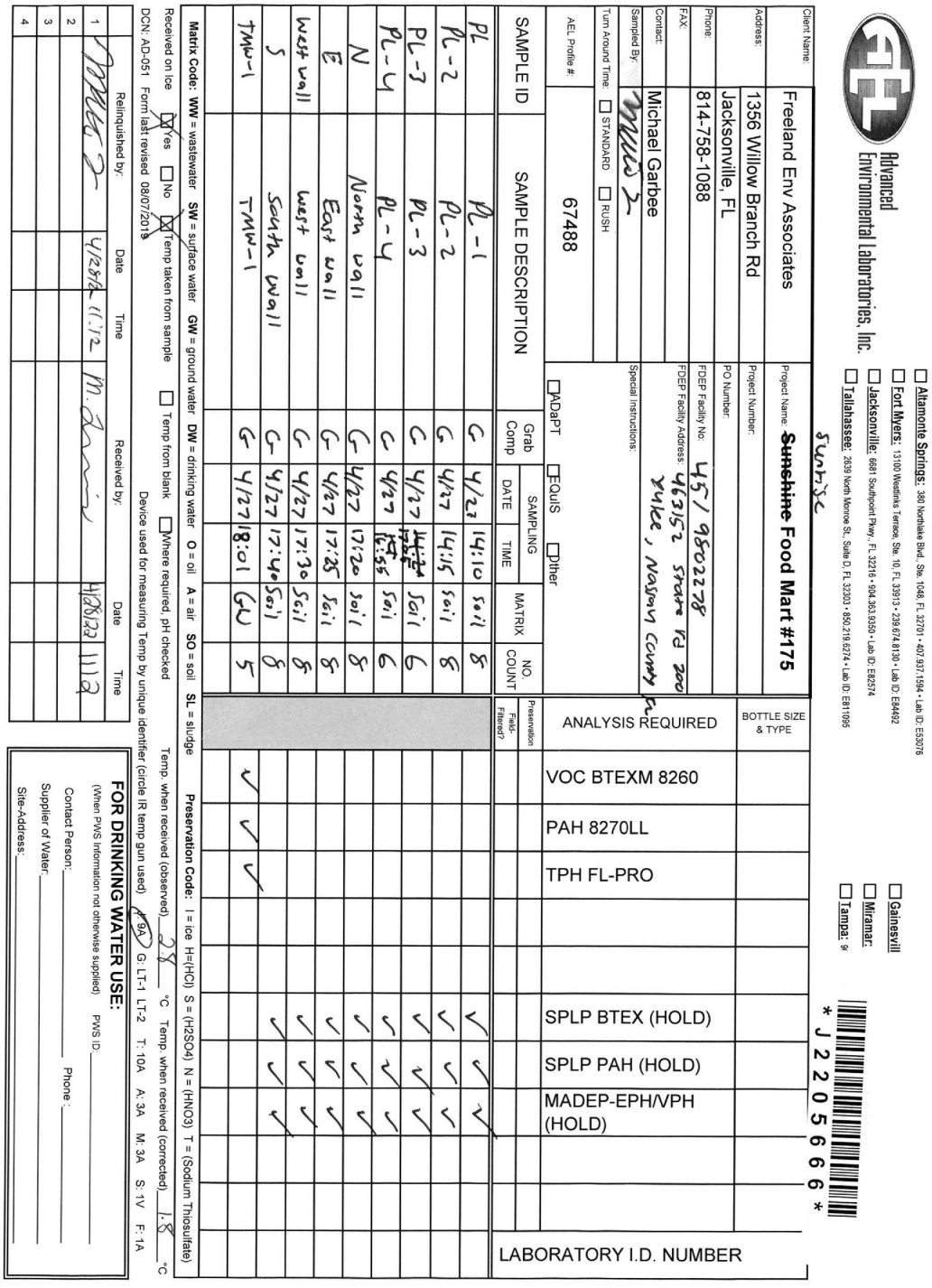
Workorder: Sunrise Food Mart #175 (J2205666)



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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

May 16, 2022

Michael Garbee
Freeland Environmental Associates, Inc.
1356 Willow Branch Ave
Jacksonville, FL 32205

RE: Workorder: J2205667 Sunrise Food Mart #175

Dear Michael Garbee:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday April 28, 2022. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Todd Romero

Todd Romero, Sales
tromero@aellab.com

Certificate of Analysis

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2205667001	DI-1/2	SO	FL-PRO	04/27/2022 15:59	04/28/2022 11:12	1	Dry
J2205667001	DI-1/2	SO	SM 2540G	04/27/2022 15:59	04/28/2022 11:12	1	Dry
J2205667001	DI-1/2	SO	SW-846 8260B	04/27/2022 15:59	04/28/2022 11:12	5	Dry
J2205667001	DI-1/2	SO	SW-846 8270C (SIM)	04/27/2022 15:59	04/28/2022 11:12	18	Dry
J2205667002	DI-3/4	SO	FL-PRO	04/27/2022 15:00	04/28/2022 11:12	1	Dry
J2205667002	DI-3/4	SO	SM 2540G	04/27/2022 15:00	04/28/2022 11:12	1	Dry
J2205667002	DI-3/4	SO	SW-846 8260B	04/27/2022 15:00	04/28/2022 11:12	5	Dry
J2205667002	DI-3/4	SO	SW-846 8270C (SIM)	04/27/2022 15:00	04/28/2022 11:12	18	Dry
J2205667003	DI-5/6	SO	FL-PRO	04/27/2022 15:50	04/28/2022 11:12	1	Dry
J2205667003	DI-5/6	SO	SM 2540G	04/27/2022 15:50	04/28/2022 11:12	1	Dry
J2205667003	DI-5/6	SO	SW-846 8260B	04/27/2022 15:50	04/28/2022 11:12	5	Dry
J2205667003	DI-5/6	SO	SW-846 8270C (SIM)	04/27/2022 15:50	04/28/2022 11:12	18	Dry
J2205667004	DI-7/8	SO	FL-PRO	04/27/2022 15:30	04/28/2022 11:12	1	Dry
J2205667004	DI-7/8	SO	SM 2540G	04/27/2022 15:30	04/28/2022 11:12	1	Dry
J2205667004	DI-7/8	SO	SW-846 8260B	04/27/2022 15:30	04/28/2022 11:12	10	Dry
J2205667004	DI-7/8	SO	SW-846 8270C (SIM)	04/27/2022 15:30	04/28/2022 11:12	18	Dry
J2205667005	DI-9/10	SO	FL-PRO	04/27/2022 15:15	04/28/2022 11:12	1	Dry
J2205667005	DI-9/10	SO	SM 2540G	04/27/2022 15:15	04/28/2022 11:12	1	Dry
J2205667005	DI-9/10	SO	SW-846 8260B	04/27/2022 15:15	04/28/2022 11:12	5	Dry
J2205667005	DI-9/10	SO	SW-846 8270C (SIM)	04/27/2022 15:15	04/28/2022 11:12	18	Dry
J2205667006	DI-11/12	SO	FL-PRO	04/27/2022 16:08	04/28/2022 11:12	1	Dry
J2205667006	DI-11/12	SO	SM 2540G	04/27/2022 16:08	04/28/2022 11:12	1	Dry
J2205667006	DI-11/12	SO	SW-846 8260B	04/27/2022 16:08	04/28/2022 11:12	5	Dry
J2205667006	DI-11/12	SO	SW-846 8270C (SIM)	04/27/2022 16:08	04/28/2022 11:12	18	Dry

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667001 **Date Collected:** 04/27/2022 15:59 **Matrix:** Soil
Sample ID: DI-1/2 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	10 U	mg/Kg	18	10	1	05/03/2022 09:00	05/05/2022 02:44	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
2-Methylnaphthalene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Acenaphthene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Acenaphthylene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Anthracene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Benzo[a]anthracene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Benzo[a]pyrene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Benzo[b]fluoranthene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Benzo[g,h,i]perylene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Benzo[k]fluoranthene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Chrysene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Dibenzo[a,h]anthracene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Fluoranthene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Fluorene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Indeno(1,2,3-cd)pyrene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Naphthalene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Phenanthrene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
Pyrene	0.0042 U	mg/Kg	0.0085	0.0042	1	05/03/2022 09:00	05/04/2022 21:55	J
(SM 2540G)								
Percent Moisture	**6**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.0010 U	mg/Kg	0.0041	0.0010	1	05/02/2022 10:54	05/02/2022 15:36	J
Ethylbenzene	0.0010 U	mg/Kg	0.0041	0.0010	1	05/02/2022 10:54	05/02/2022 15:36	J
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0041	0.0010	1	05/02/2022 10:54	05/02/2022 15:36	J
Toluene	0.0010 U	mg/Kg	0.0041	0.0010	1	05/02/2022 10:54	05/02/2022 15:36	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667001 **Date Collected:** 04/27/2022 15:59 **Matrix:** Soil
Sample ID: DI-1/2 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Xylene (Total)	**0.0090 I**	mg/Kg	0.012	0.0031	1	05/02/2022 10:54	05/02/2022 15:36	J

Analysis Results Comments

Benzene

J4|Estimated Result

Ethylbenzene

J4|Estimated Result

Toluene

J4|Estimated Result

Xylene (Total)

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	64	57	90	69 - 134	J
Toluene-d8 (S)	ug/Kg	64	62	97	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	64	70	110	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.35	88	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.37	92	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.38	94	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.10	85	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.80	88	66 - 136	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667002 **Date Collected:** 04/27/2022 15:00 **Matrix:** Soil
Sample ID: DI-3/4 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	11 U	mg/Kg	18	11	1	05/03/2022 09:00	05/05/2022 03:13	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
2-Methylnaphthalene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Acenaphthene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Acenaphthylene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Anthracene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Benzo[a]anthracene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Benzo[a]pyrene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Benzo[b]fluoranthene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Benzo[g,h,i]perylene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Benzo[k]fluoranthene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Chrysene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Dibenzo[a,h]anthracene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Fluoranthene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Fluorene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Indeno(1,2,3-cd)pyrene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Naphthalene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Phenanthrene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
Pyrene	0.0043 U	mg/Kg	0.0086	0.0043	1	05/03/2022 09:00	05/04/2022 22:22	J
(SM 2540G)								
Percent Moisture	**7**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00099 U	mg/Kg	0.0040	0.00099	1	05/02/2022 10:54	05/02/2022 16:01	J
Ethylbenzene	0.00099 U	mg/Kg	0.0040	0.00099	1	05/02/2022 10:54	05/02/2022 16:01	J
Methyl tert-butyl Ether (MTBE)	0.00099 U	mg/Kg	0.0040	0.00099	1	05/02/2022 10:54	05/02/2022 16:01	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667002 **Date Collected:** 04/27/2022 15:00 **Matrix:** Soil
Sample ID: DI-3/4 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00099 U	mg/Kg	0.0040	0.00099	1	05/02/2022 10:54	05/02/2022 16:01	J
Xylene (Total)	0.0030 U	mg/Kg	0.012	0.0030	1	05/02/2022 10:54	05/02/2022 16:01	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	61	56	90	69 - 134	J
Toluene-d8 (S)	ug/Kg	61	59	96	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	61	65	106	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.34	86	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.35	86	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.37	92	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.10	86	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.50	74	66 - 136	J

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Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667003 **Date Collected:** 04/27/2022 15:50 **Matrix:** Soil
Sample ID: DI-5/6 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	54 U	mg/Kg	94	54	5	05/03/2022 09:00	05/05/2022 01:18	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
2-Methylnaphthalene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Acenaphthene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Acenaphthylene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Anthracene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Benzo[a]anthracene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Benzo[a]pyrene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Benzo[b]fluoranthene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Benzo[g,h,i]perylene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Benzo[k]fluoranthene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Chrysene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Dibenzo[a,h]anthracene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Fluoranthene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Fluorene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Indeno(1,2,3-cd)pyrene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Naphthalene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Phenanthrene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
Pyrene	0.022 U	mg/Kg	0.044	0.022	5	05/03/2022 09:00	05/04/2022 22:49	J
(SM 2540G)								
Percent Moisture	**9**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00097 U	mg/Kg	0.0039	0.00097	1	05/02/2022 10:54	05/02/2022 16:27	J
Ethylbenzene	0.00097 U	mg/Kg	0.0039	0.00097	1	05/02/2022 10:54	05/02/2022 16:27	J
Methyl tert-butyl Ether (MTBE)	0.00097 U	mg/Kg	0.0039	0.00097	1	05/02/2022 10:54	05/02/2022 16:27	J

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Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667003 **Date Collected:** 04/27/2022 15:50 **Matrix:** Soil
Sample ID: DI-5/6 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00097 U	mg/Kg	0.0039	0.00097	1	05/02/2022 10:54	05/02/2022 16:27	J
Xylene (Total)	0.0029 U	mg/Kg	0.012	0.0029	1	05/02/2022 10:54	05/02/2022 16:27	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	59	56	95	69 - 134	J
Toluene-d8 (S)	ug/Kg	59	58	98	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	59	64	108	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.31	78	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.32	80	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.33	83	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.30	89	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.40	69	66 - 136	J

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Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667004 **Date Collected:** 04/27/2022 15:30 **Matrix:** Soil
Sample ID: DI-7/8 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	58 U	mg/Kg	100	58	5	05/03/2022 09:00	05/05/2022 00:47	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	**0.13**	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
2-Methylnaphthalene	**0.12**	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Acenaphthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Acenaphthylene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Anthracene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Benzo[a]anthracene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Benzo[a]pyrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Benzo[b]fluoranthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Benzo[g,h,i]perylene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Benzo[k]fluoranthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Chrysene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Dibenzo[a,h]anthracene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Fluoranthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Fluorene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Indeno(1,2,3-cd)pyrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Naphthalene	**0.32**	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Phenanthrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
Pyrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/04/2022 23:16	J
(SM 2540G)								
Percent Moisture	**16**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	**0.089 I**	mg/Kg	0.20	0.049	50	05/02/2022 10:54	05/02/2022 19:01	J
Ethylbenzene	**0.92**	mg/Kg	0.20	0.049	50	05/02/2022 10:54	05/02/2022 19:01	J
Methyl tert-butyl Ether (MTBE)	0.049 U	mg/Kg	0.20	0.049	50	05/02/2022 10:54	05/02/2022 19:01	J
Toluene	**1.4**	mg/Kg	0.20	0.049	50	05/02/2022 10:54	05/02/2022 19:01	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667004 **Date Collected:** 04/27/2022 15:30 **Matrix:** Soil
Sample ID: DI-7/8 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Xylene (Total)	**4.4**	mg/Kg	0.59	0.15	50	05/02/2022 10:54	05/02/2022 19:01	J
VOLATILES, SPLP (SW-846 5030B/SW-846 8260B)								
Methyl tert-butyl Ether (MTBE)	**2.6**	ug/L	2.0	0.50	2	05/14/2022 08:07	05/14/2022 16:26	J
Benzene	0.50 U	ug/L	2.0	0.50	2	05/14/2022 08:07	05/14/2022 16:26	J
Toluene	**11**	ug/L	2.0	0.50	2	05/14/2022 08:07	05/14/2022 16:26	J
Ethylbenzene	**12**	ug/L	2.0	0.50	2	05/14/2022 08:07	05/14/2022 16:26	J
Xylene (Total)	**79**	ug/L	6.0	1.5	2	05/14/2022 08:07	05/14/2022 16:26	J

Analysis Results Comments

Methyl tert-butyl Ether (MTBE)

J4|Estimated Result

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	2800	2200	80	69 - 134	J
Toluene-d8 (S)	ug/Kg	2800	2700	96	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	2800	2700	98	79 - 126	J
1,2-Dichloroethane-d4 (S)	ug/L	100	100	102	69 - 134	J
Toluene-d8 (S)	ug/L	100	100	102	72 - 122	J
Bromofluorobenzene (S)	ug/L	100	110	105	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.24	61	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.28	70	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.30	74	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.40	89	36 - 132	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
o-Terphenyl (S)	mg/Kg	2	1.70	84	66 - 136	J

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Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667005 **Date Collected:** 04/27/2022 15:15 **Matrix:** Soil
Sample ID: DI-9/10 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	57 U	mg/Kg	99	57	5	05/03/2022 09:00	05/05/2022 00:16	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
2-Methylnaphthalene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Acenaphthene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Acenaphthylene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Anthracene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Benzo[a]anthracene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Benzo[a]pyrene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Benzo[b]fluoranthene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Benzo[g,h,i]perylene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Benzo[k]fluoranthene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Chrysene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Dibenzo[a,h]anthracene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Fluoranthene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Fluorene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Indeno(1,2,3-cd)pyrene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Naphthalene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Phenanthrene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
Pyrene	0.023 U	mg/Kg	0.047	0.023	5	05/03/2022 09:00	05/04/2022 23:43	J
(SM 2540G)								
Percent Moisture	**14**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00094 U	mg/Kg	0.0037	0.00094	1	05/02/2022 10:54	05/02/2022 16:52	J
Ethylbenzene	0.00094 U	mg/Kg	0.0037	0.00094	1	05/02/2022 10:54	05/02/2022 16:52	J
Methyl tert-butyl Ether (MTBE)	0.00094 U	mg/Kg	0.0037	0.00094	1	05/02/2022 10:54	05/02/2022 16:52	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667005 **Date Collected:** 04/27/2022 15:15 **Matrix:** Soil
Sample ID: DI-9/10 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00094 U	mg/Kg	0.0037	0.00094	1	05/02/2022 10:54	05/02/2022 16:52	J
Xylene (Total)	0.0028 U	mg/Kg	0.011	0.0028	1	05/02/2022 10:54	05/02/2022 16:52	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	53	49	92	69 - 134	J
Toluene-d8 (S)	ug/Kg	53	53	100	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	53	57	107	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.31	79	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.34	86	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.33	83	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.70	95	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.50	78	66 - 136	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667006 **Date Collected:** 04/27/2022 16:08 **Matrix:** Soil
Sample ID: DI-11/12 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	59 U	mg/Kg	100	59	5	05/03/2022 09:00	05/04/2022 23:44	J
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
2-Methylnaphthalene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Acenaphthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Acenaphthylene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Anthracene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Benzo[a]anthracene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Benzo[a]pyrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Benzo[b]fluoranthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Benzo[g,h,i]perylene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Benzo[k]fluoranthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Chrysene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Dibenzo[a,h]anthracene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Fluoranthene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Fluorene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Indeno(1,2,3-cd)pyrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Naphthalene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Phenanthrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
Pyrene	0.024 U	mg/Kg	0.048	0.024	5	05/03/2022 09:00	05/05/2022 00:10	J
(SM 2540G)								
Percent Moisture	**18**	%	0.001	0.0010	1	04/29/2022 09:25	04/29/2022 09:25	J
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00085 U	mg/Kg	0.0034	0.00085	1	05/02/2022 10:54	05/02/2022 17:18	J
Ethylbenzene	0.00085 U	mg/Kg	0.0034	0.00085	1	05/02/2022 10:54	05/02/2022 17:18	J
Methyl tert-butyl Ether (MTBE)	0.00085 U	mg/Kg	0.0034	0.00085	1	05/02/2022 10:54	05/02/2022 17:18	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Analytical Results

Lab ID: J2205667006 **Date Collected:** 04/27/2022 16:08 **Matrix:** Soil
Sample ID: DI-11/12 **Date Received:** 04/28/2022 11:12

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	**0.00091 I**	mg/Kg	0.0034	0.00085	1	05/02/2022 10:54	05/02/2022 17:18	J
Xylene (Total)	0.0026 U	mg/Kg	0.010	0.0026	1	05/02/2022 10:54	05/02/2022 17:18	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47	45	96	69 - 134	J
Toluene-d8 (S)	ug/Kg	47	45	97	72 - 122	J
Bromofluorobenzene (S)	ug/Kg	47	52	112	79 - 126	J
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.28	69	37 - 127	J
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.31	77	33 - 134	J
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.32	79	42 - 141	J
Nonatricontane-C39 (S)	mg/Kg	6	5.80	97	36 - 132	J
o-Terphenyl (S)	mg/Kg	2	1.70	84	66 - 136	J

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

QC Results

QC Batch: GCSj/3166 **Analysis Method:** FL-PRO
Preparation Method: FL-PRO
Associated Lab IDs: J2205667001, J2205667002, J2205667003, J2205667004, J2205667005, J2205667006

Method Blank(4298765)

Parameter	Results	Units	PQL	MDL	Lab
TPH	9.8 U	mg/Kg	17	9.8	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	4.10	68	36 - 132	
o-Terphenyl (S)	mg/L	2	1.60	80	66 - 136	

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

QC Results

QC Batch: MSSj/2110 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: J2205667001, J2205667002, J2205667003, J2205667004, J2205667005, J2205667006

Method Blank(4298759)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0040 U	mg/Kg	0.0080	0.0040	J
2-Methylnaphthalene	0.0040 U	mg/Kg	0.0080	0.0040	J
1-Methylnaphthalene	0.0040 U	mg/Kg	0.0080	0.0040	J
Acenaphthylene	0.0040 U	mg/Kg	0.0080	0.0040	J
Acenaphthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Fluorene	0.0040 U	mg/Kg	0.0080	0.0040	J
Phenanthrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Anthracene	0.0040 U	mg/Kg	0.0080	0.0040	J
Fluoranthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Pyrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[a]anthracene	0.0040 U	mg/Kg	0.0080	0.0040	J
Chrysene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[b]fluoranthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[k]fluoranthene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[a]pyrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Indeno(1,2,3-cd)pyrene	0.0040 U	mg/Kg	0.0080	0.0040	J
Dibenzo[a,h]anthracene	0.0040 U	mg/Kg	0.0080	0.0040	J
Benzo[g,h,i]perylene	0.0040 U	mg/Kg	0.0080	0.0040	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.31	77	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.31	78	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.41	103	42 - 141	

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Workorder: Sunrise Food Mart #175 (J2205667)

QC Results

QC Batch: MSVj/3903 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: J2205667001, J2205667002, J2205667003, J2205667004, J2205667005, J2205667006

Method Blank(4297569)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.00075 U	mg/Kg	0.0030	0.00075	J
Benzene	0.00075 U	mg/Kg	0.0030	0.00075	J
Toluene	0.00075 U	mg/Kg	0.0030	0.00075	J
Ethylbenzene	0.00075 U	mg/Kg	0.0030	0.00075	J
Xylene (Total)	0.0022 U	mg/Kg	0.0090	0.0022	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	90	69 - 134	
Bromofluorobenzene (S)	ug/L	50	51	101	79 - 126	
Toluene-d8 (S)	ug/L	50	48	97	72 - 122	

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Workorder: Sunrise Food Mart #175 (J2205667)

QC Results

QC Batch: MSVj/3995
Preparation Method: SW-846 5030B
Associated Lab IDs: J2205667004
Analysis Method: SW-846 8260B

Method Blank(4315330)

Parameter	Results	Units	PQL	MDL	Lab
Benzene	0.25 U	ug/L	1.0	0.25	J
Ethylbenzene	0.25 U	ug/L	1.0	0.25	J
Methyl tert-butyl Ether (MTBE)	0.25 U	ug/L	1.0	0.25	J
Toluene	0.25 U	ug/L	1.0	0.25	J
Xylene (Total)	0.75 U	ug/L	3.0	0.75	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	102	70 - 128	
Bromofluorobenzene (S)	ug/L	50	53	106	86 - 123	
Toluene-d8 (S)	ug/L	50	50	101	77 - 119	

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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/3166 - FL-PRO			
J2205667001	DI-1/2	EXTj/3982	FL-PRO
J2205667002	DI-3/4	EXTj/3982	FL-PRO
J2205667003	DI-5/6	EXTj/3982	FL-PRO
J2205667004	DI-7/8	EXTj/3982	FL-PRO
J2205667005	DI-9/10	EXTj/3982	FL-PRO
J2205667006	DI-11/12	EXTj/3982	FL-PRO
MSSj/2110 - SW-846 8270C (SIM)			
J2205667001	DI-1/2	EXTj/3981	SW-846 3550B
J2205667002	DI-3/4	EXTj/3981	SW-846 3550B
J2205667003	DI-5/6	EXTj/3981	SW-846 3550B
J2205667004	DI-7/8	EXTj/3981	SW-846 3550B
J2205667005	DI-9/10	EXTj/3981	SW-846 3550B
J2205667006	DI-11/12	EXTj/3981	SW-846 3550B
MSVj/3903 - SW-846 8260B			
J2205667001	DI-1/2	MSVj/3902	SW-846 5035
J2205667002	DI-3/4	MSVj/3902	SW-846 5035
J2205667003	DI-5/6	MSVj/3902	SW-846 5035
J2205667004	DI-7/8	MSVj/3902	SW-846 5035
J2205667005	DI-9/10	MSVj/3902	SW-846 5035
J2205667006	DI-11/12	MSVj/3902	SW-846 5035
MSVj/3995 - SW-846 8260B			
J2205667004	DI-7/8	MSVj/3994	SW-846 5030B
WCAj/5791 - SM 2540G			
J2205667001	DI-1/2		
J2205667002	DI-3/4		
J2205667003	DI-5/6		
J2205667004	DI-7/8		
J2205667005	DI-9/10		
J2205667006	DI-11/12		

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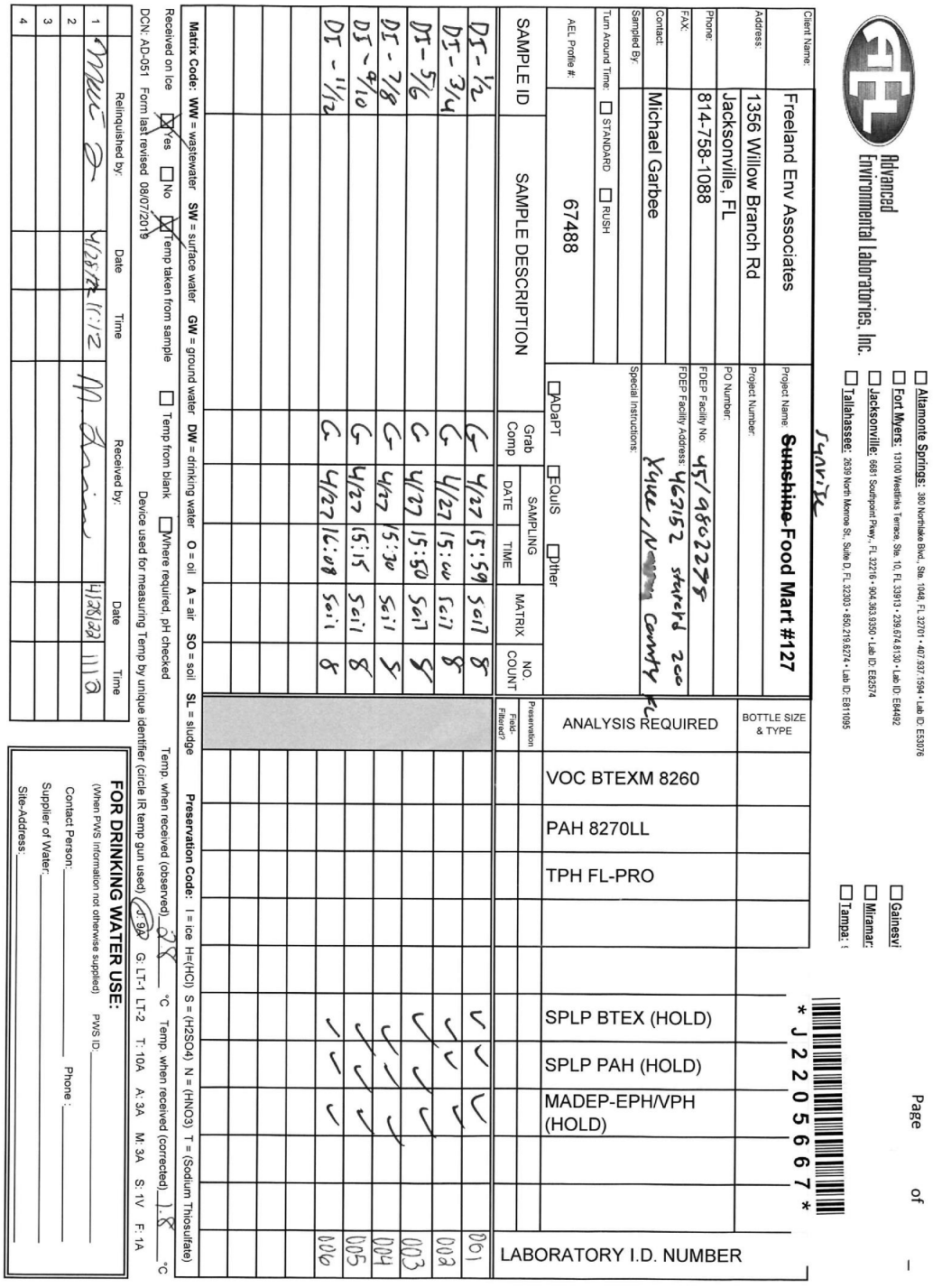
Workorder: Sunrise Food Mart #175 (J2205667)



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FINAL

Workorder: Sunrise Food Mart #175 (J2205667)

Advanced Environmental Labs Inc

Client: Freeland Env. Associates Project name: Food Mart #127

Date/Time Rcvd: 4-28-22 1112 Log-In request number: J2205667

Received by: MT Completed by: KG

Cooler/Shipping Information:

Courier: ☐ AEL ☑ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1				
Temp (°C)	1.8				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☑ IR gun S/N 9333779 ☐ Thermometer (enter ID): 14	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?			✓
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.			✓
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?		✓	
20. Where Encores received and if so, how many? 6	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

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FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)

May 27, 2022

Michael Garbee
Freeland Environmental Associates, Inc.
1356 Willow Branch Ave
Jacksonville, FL 32205

RE: Workorder: G2204243 SUNRISE FOOD MART #175

Dear Michael Garbee:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday May 20, 2022. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Gunsaulies

Paul Gunsaulies
PGunsaulies@aellab.com

Certificate of Analysis

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FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
G2204243001	CONF. 7/8	SO	FL-PRO	05/19/2022 15:10	05/20/2022 13:55	1	Dry
G2204243001	CONF. 7/8	SO	SM 2540G	05/19/2022 15:10	05/20/2022 13:55	1	Dry
G2204243001	CONF. 7/8	SO	SW-846 8260B	05/19/2022 15:10	05/20/2022 13:55	5	Dry
G2204243001	CONF. 7/8	SO	SW-846 8270C (SIM)	05/19/2022 15:10	05/20/2022 13:55	18	Dry

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Workorder: SUNRISE FOOD MART #175 (G2204243)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)

Analytical Results

Lab ID: G2204243001 **Date Collected:** 05/19/2022 15:10 **Matrix:** Soil
Sample ID: CONF. 7/8 **Date Received:** 05/20/2022 13:55

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (FL-PRO)								
TPH	**29**	mg/Kg	14	4.9	1	05/25/2022 12:40	05/25/2022 22:13	T
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0082	0.0016	1	05/25/2022 12:40	05/25/2022 18:52	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0082	0.0020	1	05/25/2022 12:40	05/25/2022 18:52	T
Acenaphthene	0.0015 U	mg/Kg	0.0082	0.0015	1	05/25/2022 12:40	05/25/2022 18:52	T
Acenaphthylene	0.0018 U	mg/Kg	0.0082	0.0018	1	05/25/2022 12:40	05/25/2022 18:52	T
Anthracene	0.0025 U	mg/Kg	0.0082	0.0025	1	05/25/2022 12:40	05/25/2022 18:52	T
Benzo[a]anthracene	**0.0064 I**	mg/Kg	0.0082	0.0020	1	05/25/2022 12:40	05/25/2022 18:52	T
Benzo[a]pyrene	**0.0096**	mg/Kg	0.0082	0.0017	1	05/25/2022 12:40	05/25/2022 18:52	T
Benzo[b]fluoranthene	**0.015**	mg/Kg	0.0082	0.0016	1	05/25/2022 12:40	05/25/2022 18:52	T
Benzo[g,h,i]perylene	**0.012**	mg/Kg	0.0082	0.0019	1	05/25/2022 12:40	05/25/2022 18:52	T
Benzo[k]fluoranthene	**0.0055 I**	mg/Kg	0.0082	0.0023	1	05/25/2022 12:40	05/25/2022 18:52	T
Chrysene	**0.010**	mg/Kg	0.0082	0.0029	1	05/25/2022 12:40	05/25/2022 18:52	T
Dibenzo[a,h]anthracene	**0.0023 I**	mg/Kg	0.0082	0.0017	1	05/25/2022 12:40	05/25/2022 18:52	T
Fluoranthene	**0.014**	mg/Kg	0.0082	0.0028	1	05/25/2022 12:40	05/25/2022 18:52	T
Fluorene	0.0021 U	mg/Kg	0.0082	0.0021	1	05/25/2022 12:40	05/25/2022 18:52	T
Indeno(1,2,3-cd)pyrene	**0.011**	mg/Kg	0.0082	0.0024	1	05/25/2022 12:40	05/25/2022 18:52	T
Naphthalene	0.0017 U	mg/Kg	0.0082	0.0017	1	05/25/2022 12:40	05/25/2022 18:52	T
Phenanthrene	**0.0042 I**	mg/Kg	0.0082	0.0021	1	05/25/2022 12:40	05/25/2022 18:52	T
Pyrene	**0.012**	mg/Kg	0.0082	0.0023	1	05/25/2022 12:40	05/25/2022 18:52	T
(SM 2540G)								
Percent Moisture	**4**	%	0.001	0.0010	1	05/26/2022 16:30	05/26/2022 16:30	T
VOLATILES (SW-846 5035/SW-846 8260B)								
Benzene	0.00045 U	mg/Kg	0.0027	0.00045	1	05/25/2022 14:45	05/25/2022 22:09	T
Ethylbenzene	0.00032 U	mg/Kg	0.0027	0.00032	1	05/25/2022 14:45	05/25/2022 22:09	T
Methyl tert-butyl Ether (MTBE)	0.00089 U	mg/Kg	0.0027	0.00089	1	05/25/2022 14:45	05/25/2022 22:09	T

Certificate of Analysis

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Fax: (352) 395-6639

FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)

Analytical Results

Lab ID: G2204243001 **Date Collected:** 05/19/2022 15:10 **Matrix:** Soil
Sample ID: CONF. 7/8 **Date Received:** 05/20/2022 13:55

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Toluene	0.00033 U	mg/Kg	0.0027	0.00033	1	05/25/2022 14:45	05/25/2022 22:09	T
Xylene (Total)	0.0012 U	mg/Kg	0.0054	0.0012	1	05/25/2022 14:45	05/25/2022 22:09	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43	47	109	69 - 134	T
Toluene-d8 (S)	ug/Kg	43	42	96	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	43	48	110	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.24	62	37 - 127	T
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.24	61	33 - 134	T
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.30	76	42 - 141	T
Nonatricontane-C39 (S)	mg/Kg	6	4.90	83	36 - 132	T
o-Terphenyl (S)	mg/Kg	2	1.90	98	66 - 136	T

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FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)

QC Results

QC Batch: GCSt/2304
Preparation Method: FL-PRO
Associated Lab IDs: G2204243001
Analysis Method: FL-PRO

Method Blank(4326925)

Parameter	Results	Units	PQL	MDL	Lab
TPH	4.8 U	mg/Kg	14	4.8	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nonatricontane-C39 (S)	mg/L	6	5.10	85	36 - 132	
o-Terphenyl (S)	mg/L	2	1.80	90	66 - 136	

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FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)

QC Results

QC Batch: MSSt/1854
Preparation Method: SW-846 3550B
Associated Lab IDs: G2204243001
Analysis Method: SW-846 8270C (SIM)

Method Blank(4326913)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.25	62	37 - 127	
Nitrobenzene-d5 (S)	mg/L	0.40	0.27	66	33 - 134	
p-Terphenyl-d14 (S)	mg/L	0.40	0.29	72	42 - 141	

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Workorder: SUNRISE FOOD MART #175 (G2204243)

QC Results

QC Batch: MSVt/4235
Preparation Method: SW-846 5035
Associated Lab IDs: G2204243001
Analysis Method: SW-846 8260B

Method Blank(4329190)

Parameter	Results	Units	PQL	MDL	Lab
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	105	69 - 134	
Bromofluorobenzene (S)	ug/L	50	49	99	79 - 126	
Toluene-d8 (S)	ug/L	50	48	96	72 - 122	

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Workorder: SUNRISE FOOD MART #175 (G2204243)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSt/2304 - FL-PRO			
G2204243001	CONF. 7/8	EXTt/2821	FL-PRO
MSSt/1854 - SW-846 8270C (SIM)			
G2204243001	CONF. 7/8	EXTt/2820	SW-846 3550B
MSVt/4235 - SW-846 8260B			
G2204243001	CONF. 7/8	MSVt/4234	SW-846 5035
WCAt/12465 - SM 2540G			
G2204243001	CONF. 7/8		

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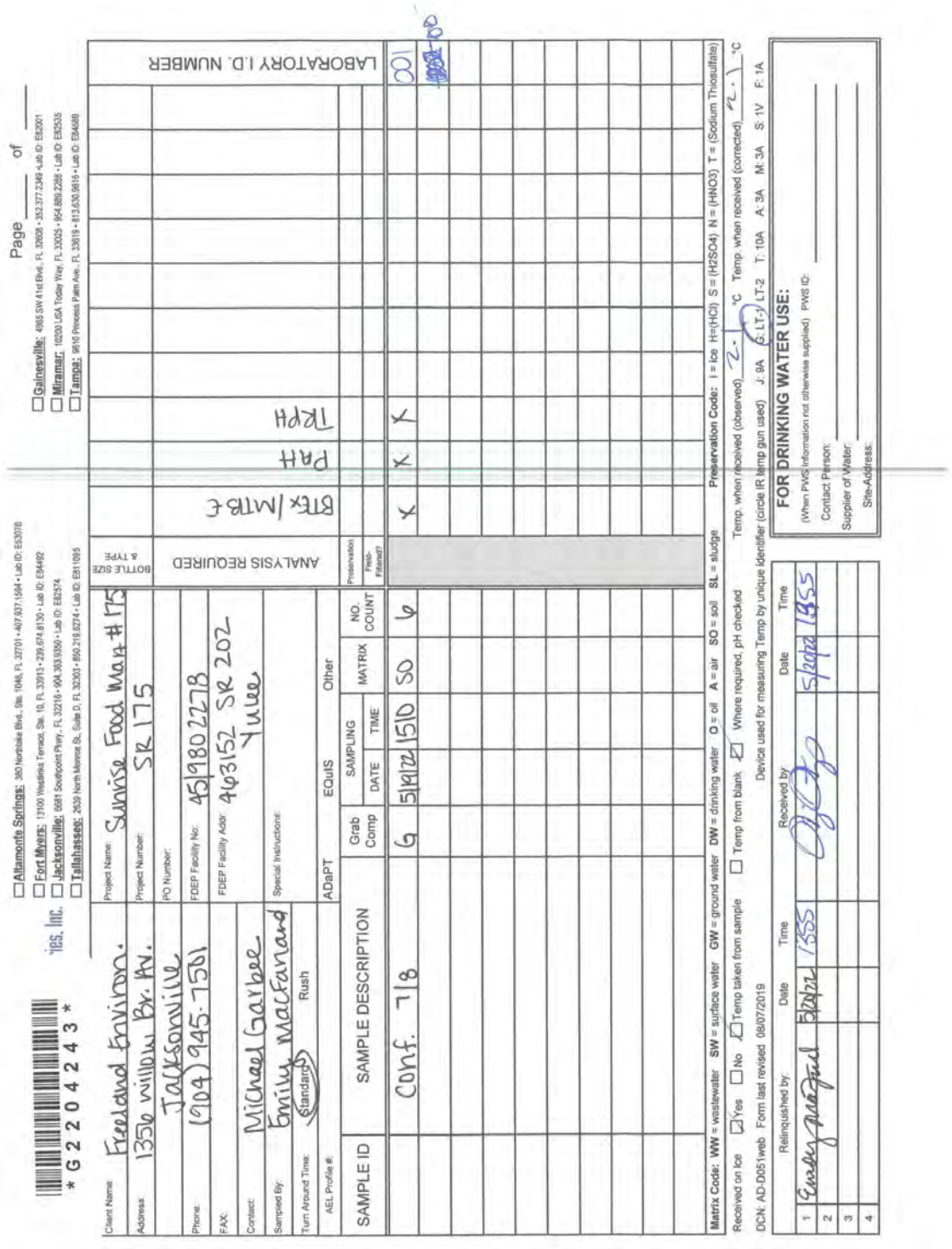
FINAL

Workorder: SUNRISE FOOD MART #175 (G2204243)



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