



February 26, 2024

Mr. Matt Leonard
Site Manager, Geologist
Petroleum Restoration Program, Team 5
NorthStar Contracting Group, Inc.
2760 S Falkenburg Rd
Riverview, FL 33578
Via email at: MLeonard@NorthStar.com

**RE: Supplemental Site Assessment Report
Suncoast Boat Rental
545 150th Ave
Madeira Beach, Pinellas County, FL
Discharge: 3/27/1991 (ATRP scored 11)
FDEP Facility ID #: 52/9101643
MAS Project #: L000143.03**

Dear Mr. Leonard;

MAS Environmental, LLC (MAS) is pleased to provide this Interim Assessment Report for the above-mentioned site. This work was completed under **FDEP Purchase Order #C131A6**. Herein are a brief site background, a summary of the field activities and an evaluation of the field and laboratory analytical results. The goal of these activities was to complete the assessment that was started under the LSSI Program. A Site Plan is presented as **Figure 1A**.

SITE BACKGROUND

Discharge & Site History

This site is utilized as a marina. The site previously had one (1) 2,000-gallon capacity underground storage tank (UST) containing unleaded gas. Information regarding the installation of the tank was not available for review. The tank was reportedly removed in March 1991.

A discharge reporting form (DRF) was filed in March 1991 as a result of sampling activities during the tank removal. The source of the discharge was listed as unknown. The discharge was accepted into the FDEP's Abandoned Tank Restoration Program (ATRP).

A Tank Closure Assessment Report (TCAR) was submitted in April 1991. Headspace analysis of soil samples collected from the tank excavation area indicated the presence of a small quantity of "excessively contaminated" soils as defined by FAC Chapter 17-770. The identified soils were removed and disposed. Groundwater analysis indicated the presences of Total VOAs in excess of GCTLs in the sample collected from the temporary monitoring well placed within the tank pit area.

A Low-Scored Site Initiative (LSSI) Site Assessment Report (SAR) dated July 17, 2017 was submitted by MAS and with additional information, approved by the FDEP in correspondence dated October 18, 2017. According to the report, soil impacts were identified and have not been delineated. MAS recommended step-out borings and re-sampling due to soil impacts likely being caused by the broken asphalt contained in the fill. Due to the limited time allowed for LSSI assessments, the site was parked to await additional funding. In June of 2020, a new PO was issued to continue the assessment since the site became within funding range.

A Supplemental Site Assessment Report (SSAR) dated June 1, 2021 was submitted by MAS and approved by the FDEP in a correspondence dated June 14, 2021. According to the report, soil impacts were confirmed but not adequately delineated. MAS recommended advancing additional soil borings for the purpose of delineating the soil impacts for excavation activities. The absence of groundwater impacts was confirmed for two (2) consecutive quarters and because there were no soil impacts above the leachability CTLs, MAS recommended abandoning the monitoring wells to prevent future surface spills from entering the open conduits to the groundwater.

Purchase Order #C131A6 was issued to MAS in January 2023. The continued assessment is the subject of this Interim Assessment Report.

Potable Well Survey

According to a Potable Well Survey dated May 2014, no large public supply wells are located within one-half mile of the subject facility. In addition, no small potable wells are located within one-quarter mile of the subject facility.

SUMMARY OF FIELD ACTIVITIES

Quality Assurance

Field activities were conducted in general accordance with FDEP standard operating procedures and industry accepted practices. Soil assessment tasks were conducted in general accordance with the DEP-SOP, Guidance Memos, and Chapter 62-160 Florida Administrative Code (FAC). The groundwater sampling was performed in general accordance with FDEP standard operating procedure 01/001 FS – 2200.

Soil Boring and Soil Screening Activities

On October 3, 2023, MAS personnel advanced a total of thirteen (13) soil borings, SB-28 through SB-40 using hand augers at the subject site. The soil borings were completed to a total of depth of two (2) feet bls. The boring locations are presented on **Figure 1B**.

Soil samples were collected from each soil boring and were screened using an Organic Vapor Analyzer (OVA) at one (1) foot increments. Copies of the boring logs are provided in **Appendix A**. Following the soil screening activities, thirteen (13) soil samples were collected as follows:

Sample				OVA
Boring No. / Well ID No.	Date Collected	Depth to Water (ft bls)	Sample Interval (ft bls)	Net OVA Reading (ppm)
SB-28 @2'	10/2/2023	NA	2	0
SB-29 @2'	10/2/2023	NA	2	0
SB-30 @2'	10/2/2023	NA	2	0
SB-31 @2'	10/2/2023	NA	2	0
SB-32 @2'	10/2/2023	NA	2	0
SB-33 @2'	10/2/2023	NA	2	0
SB-34 @2'	10/2/2023	NA	2	0
SB-35 @2'	10/2/2023	NA	2	0
SB-36 @2'	10/2/2023	NA	2	0
SB-37 @2'	10/3/2023	NA	2	<1
SB-38 @2'	10/3/2023	NA	2	<1
SB-39 @2'	10/3/2023	NA	2	<1
SB-40 @2'	10/3/2023	NA	2	<1

The soil boring samples were collected for laboratory analysis of polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8310.

SUMMARY OF RESULTS

OVA Screening Results

The OVA results from October 2, 2023, indicated OVA readings were either 0 or <1 parts per million (ppm). The OVA data are summarized in **Table 1**.

Soil Analytical Results

The results of the soil analyses dated October 2, 2023 identified the presence of benzo(a)pyrene in excess of its soil cleanup target level (SCTL) in soil samples SB-33 and SB-35 as well as the presence of benzo(a)pyrene equivalent in excess of its SCTL in soil samples SB-28, SB-29, SB-32, SB-33, SB-34, SB-35, SB-36, and SB-39. In addition, the soil analysis identified the presence of benzo(a)anthracene and benzo(b)fluoranthene in excess of their respective SCTLs in soil sample, SB-35. A summary of the analytical results is provided in **Tables 2A, 2B, and 2C** and presented on **Figure 2**. A copy of the soil analytical report is presented in **Appendix B**.

CONCLUSIONS AND RECOMMENDATIONS

- The results of the soil analyses dated October 2, 2023 identified the presence of contaminants in excess of their respective SCTLs in soil samples SB-28, SB-29, SB-32, SB-33, SB-34, SB-35, SB-36, and SB-39.

Based on the findings provided herein, soil contaminants have been confirmed, but not delineated. MAS recommends additional soil sampling in order to delineate the soil impacts on site. MAS also recommends abandoning the onsite monitoring wells as the absence of groundwater impacts has been confirmed for three (3) consecutive quarters (**Appendix C**) and therefore, no longer needed for closure.

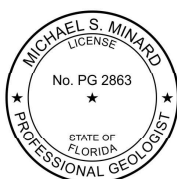
Please contact me directly should you have any questions at (813) 658-8823, or by email at mminard@mas-env.com.

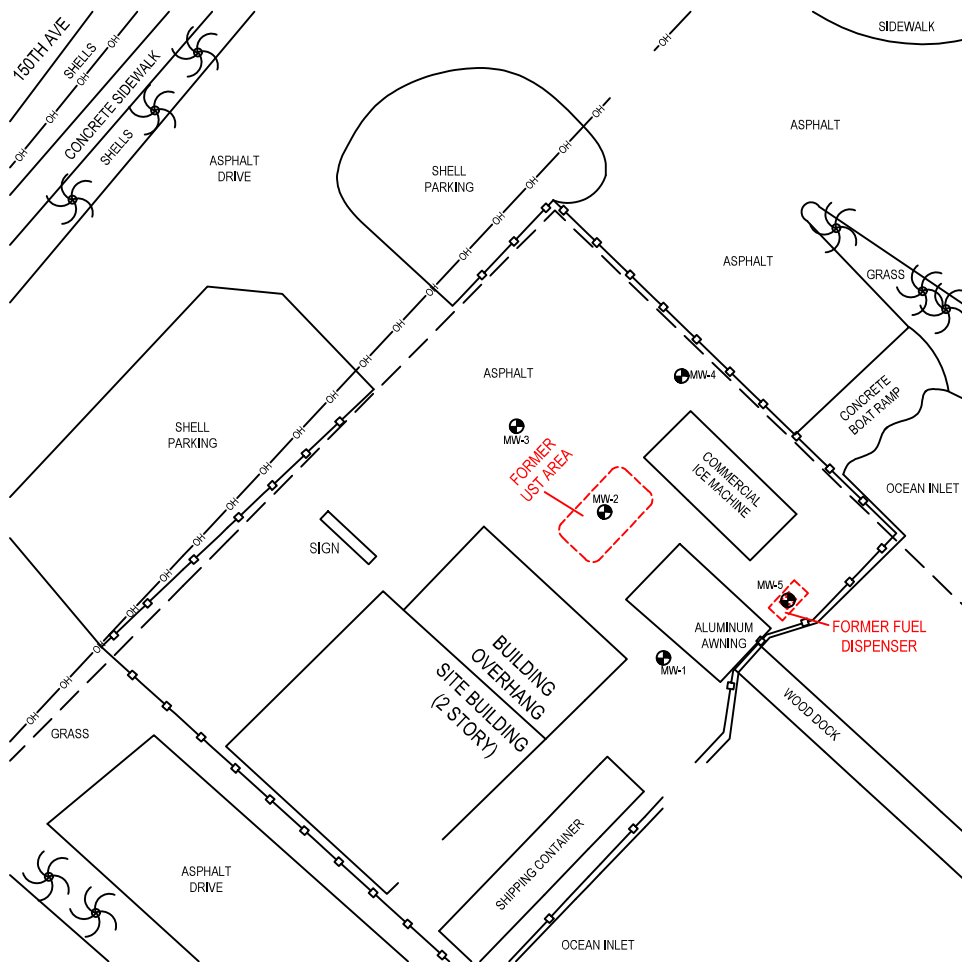
Sincerely,

MAS Environmental, LLC

Digitally signed by
Michael S Minard
Date: 2024.02.26
18:18:35 -05'00'

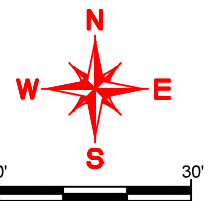
Michael S. Minard, PG, FL#2863
Senior Geologist





LEGEND

- 8' CHAIN LINK FENCE
- OVERHEAD UTILITY LINE
- APPROXIMATE PROPERTY BOUNDARY LOCATION
- PALM TREE
- MONITORING WELL LOCATION AND DESIGNATION



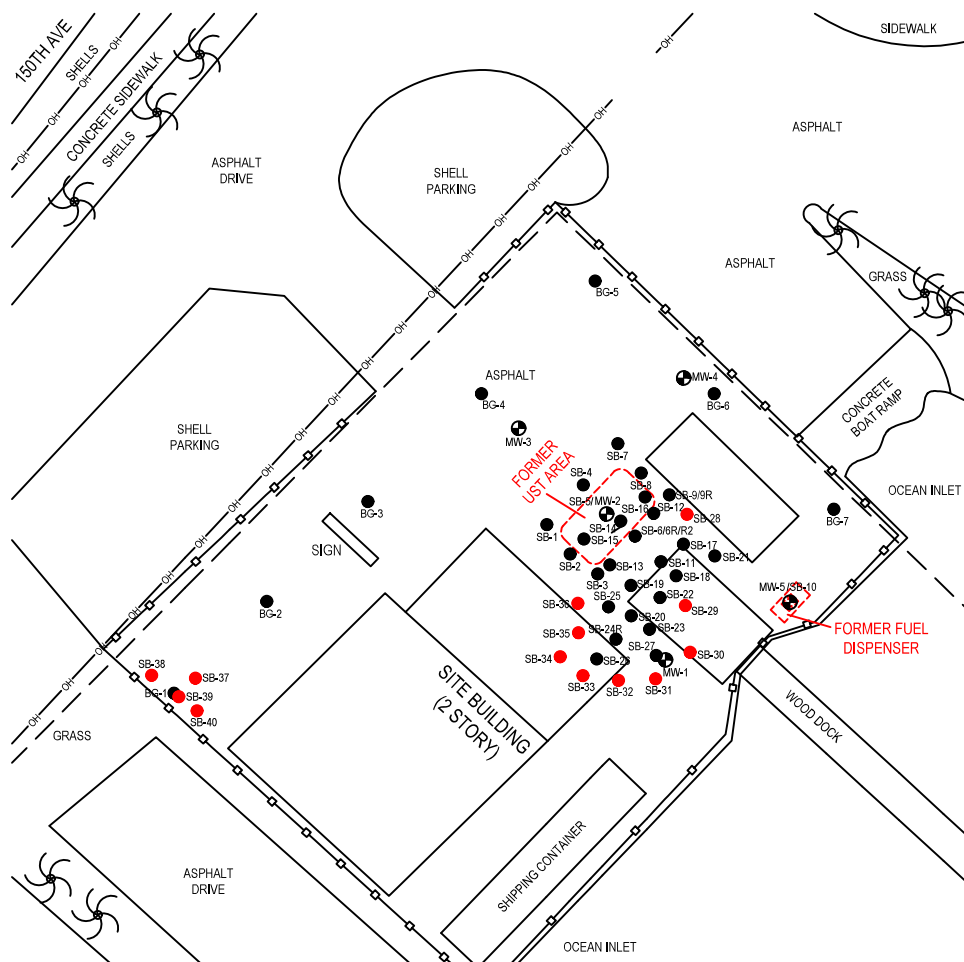
APPROXIMATE SCALE
1" = 30'



SUNCOAST BOAT RENTAL
545 150TH AVE
MADEIRA BEACH, PINELLAS COUNTY, FLORIDA
FDEP FAC. ID. NO.: 52/9101643

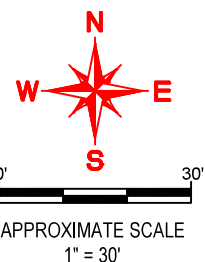
SITE MAP

FIGURE
1A
PROJECT No.
L00014



LEGEND

- 8' CHAIN LINK FENCE
- OVERHEAD UTILITY LINE
- APPROXIMATE PROPERTY BOUNDARY LOCATION
- PALM TREE
- MONITORING WELL LOCATION AND DESIGNATION
MW-1
- SOIL BORING LOCATION AND DESIGNATION
SB-1
- SOIL BORING LOCATION AND DESIGNATION (ADVANCED 2023)
SB-1



SUNCOAST BOAT RENTAL
545 150TH AVE
MADEIRA BEACH, PINELLAS COUNTY, FLORIDA
FDEP FAC. ID. NO.: 52/9101643

SOIL BORING LOCATION MAP

FIGURE
1B
PROJECT No.
L00014

APPENDIX A

Soil Boring Logs

BORING LOG

Page 1 of 1

Boring/Well Number: SB- 28		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 1350	☐ AM ☒ PM	
		End Date: 10/2/23	End Time: 1357	☐ AM ☒ PM	
Environmental Contractor: MAS		Geologist's Name: Z.Perry		Environmental Technician's Name: S.Esser	
Drilling Company: na	Pavement Thickness (inches): ~4"	Borehole Diameter (inches): 3.25"		Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):		OVA (list model and check type): MiniRAE 3k ☐ 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	12				0	1	NO abr Brown sand w/shells	SP	D	
HA	2	24				0	2	I Brown sand w/shells; gravel -LOB @ 2' BLS -	SP	D	Sample taken SB-28@2'
							3				
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB- 29		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 14:03	☐ AM ☒ PM	
		End Date: 10/2/23	End Time: 14:11	☐ AM ☒ PM	
Environmental Contractor: MAS		Geologist's Name: Z.Perry		Environmental Technician's Name: S.Esser	
Drilling Company: na	Pavement Thickness (inches): ~4"	Borehole Diameter (inches): 3.25"		Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —		OVA (list model and check type): MiniRAF 3k ☐ 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	12				O	1	NO COR Brown fine sand w/ shells	SP	D	
HA	2	24				O	2	Brown sand w/ shells & Gravels — EOB @ 2' BLS —	SP	D	sample taken SB-29 @ 2'
							3				
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB-30		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 12:40	☐ AM ☒ PM	
		End Date: 10/2/23	End Time: 12:49	☐ AM ☒ PM	
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser	
Drilling Company: na	Pavement Thickness (inches): ~4"	Borehole Diameter (inches): 3.25"		Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —		OVA (list model and check type): MiniRAE 3k ☐ 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	12				0	1	NO cor Brown fine sand w/ shells	SP	D	
HA	2	24				0	2	I Gray fine sand w/ shells	SP	D	Sample taken SB-30@2'
							3	-EOB@2' BLS -			
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB-31		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 12:30	☐ AM ☒ PM	
		End Date: 10/2/23	End Time: 12:37	☐ AM ☒ PM	
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser	
Drilling Company: na	Pavement Thickness (inches): ~4"	Borehole Diameter (inches): 3.25"		Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —		OVA (list model and check type): MiniRAE 3k ☐ 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	12				0	1	no odor Brown fine sand w/shells	SP	D	
HA	2	24				0	2	Gray fine sand w/shells	SP	D	
							3	-FOB @ 2' BS —			Sample taken SB-31 @ 2'
							4				
							5				
							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

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Boring/Well Number: SB-32		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 12:10	☐ AM ☒ PM	
		End Date: 10/2/23	End Time: 12:23	☐ AM ☐ PM	
Environmental Contractor: MAS		Geologist's Name: Z.Perry		Environmental Technician's Name: S.Esser	
Drilling Company: na		Pavement Thickness (inches): ~5"	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MiniRAE 3k ☐ 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	12				O	1	NO odor Brown fine sand w/shells	SP	D	
HA	2	24				O	2	Gray fine sand w/shells	SP	D	sample taken SB-32@2'
							3	—EOB@2' BLS—			
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB-33		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 11:50	☒ AM	☐ PM
		End Date: 10/2/23	End Time: 12:02	☐ AM	☒ PM
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser	
Drilling Company: na	Pavement Thickness (inches): ~5"	Borehole Diameter (inches): 3.25"		Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —		OVA (list model and check type): MiniRAE 3k ☐ 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	12				O	1	NO odor Brown fine sand w/shells	SP	D	
HA	2	24				O	2	Gray fine sand w/shells	SP	D	Sample taken SB-33@2'
							3	-EOB @ 2' BLS-			
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB-34		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 11:38	☒ AM ☐ PM	
		End Date: 10/2/23	End Time: 11:34	☒ AM ☐ PM	
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser	
Drilling Company: na		Pavement Thickness (inches): ~4"	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2	
Drilling Method(s): HA		Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MiniRAE 3k ☐ 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	12				0	1	NO OODR Brown sand w/ shells	SP	D	
HA	2	24				0	2	Same	SP	D	
							3	—EOB@ 2' BLS—			Sample taken SB-34 @ 2'
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB- 35		Permit Number:		FDEP Facility Identification Number: 52/9101643							
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 11:40	☒ AM ☐ PM							
		End Date: 10/2/23	End Time: 11:48	☒ AM ☐ PM							
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser							
Drilling Company: na		Pavement Thickness (inches): ~5"	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2							
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): -	Measured Well DTW (in feet after water recharges in well): -	OVA (list model and check type): MiniRAE 3k ☐ 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	12				0	1	NO Oobr Brown sand w/ shells	SP	D	
HA	2	24				0	2	Gray sand w/ shells	SP	D	sample taken SB-35@2'
							3	- EOB @ 2' BLS -			
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB-36		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/2/23	Borehole Start Time: 14:17	☐ AM ☒ PM	
		End Date: 10/2/23	End Time: 14:27	☐ AM ☒ PM	
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser	
Drilling Company: na	Pavement Thickness (inches): ~4"	Borehole Diameter (inches): 3.25"		Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —		OVA (list model and check type): MiniRAE 3k ☐ 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	12				O	1	NO odor Brown fine sand w/ shells	SP	D	
HA	2	24				O	2	I Gray fine sand w/ shells - FOB @ 2' BLS -	SP	D	sample taken SB-36@2'
							3				
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB- 37		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/3/23	Borehole Start Time: 0750	☒ AM	☐ PM
		End Date: 10/3/23	End Time: 0755	☒ AM	☐ PM
Environmental Contractor: MAS		Geologist's Name: <i>George S. Silken</i>		Environmental Technician's Name: S. Esser	
Drilling Company: na		Pavement Thickness (inches): 2"	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MiniRAE 3k ☐ 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	12					1	Light brown sand, fine w/ shell (typical) granular	sp	D	
HA	2	24					2	Same w/ shell	sp	D	
							3				
							4				
							5				
							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

Page 1 of 1

Boring/Well Number: SB- 38		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/3/23	Borehole Start Time: 0800 AM	End Date: 10/3/23	
Environmental Contractor: MAS		Geologist's Name: Z. Perry - b. Silverman		Environmental Technician's Name: S. Esser	
Drilling Company: na		Pavement Thickness (inches):	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRAE 3k ☐ 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	12				47	1	(No odor) Light Brown Sand, Fine w/ shell (2-3") granular	SP	D	
HA	2	24				47	2	w/ shell w/ trash	SP	D	
							3	Same w/ shell			
							4	w/ trash			
							5				
							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

Page 1 of 1

Boring/Well Number: SB- 39		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/3/23	Borehole Start Time: 0815 AM	End Date: 10/3/23	
Environmental Contractor: MAS		Geologist's Name: Z Perry G. Silverman		Environmental Technician's Name: S. Esser	
Drilling Company: na		Pavement Thickness (inches):	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2	
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRAE 3k ☐ 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	12					1	Light Brown Sand / Grey w/ shell (frag) granular	SP	D	
HA	2	24					2	Light Brown Sand / Grey w/ shell w/ trash (frag) granular	SP	D	
							3	Brown Sand / Grey (frag) granular			
							4	w/ shell			
							5	w/ fresh			
							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

Page 1 of 1

Boring/Well Number: SB- 40		Permit Number:		FDEP Facility Identification Number: 52/9101643	
Site Name: Suncoast Boat Rental		Borehole Start Date: 10/3/23	Borehole Start Time: 1025 ☒ AM ☐ PM	End Date: 10/3/23	
Environmental Contractor: MAS		Geologist's Name: Z. Perry		Environmental Technician's Name: S. Esser	
Drilling Company: na		Pavement Thickness (inches):	Borehole Diameter (inches): 3.25"	Borehole Depth (feet): 2	
Drilling Method(s): HA		Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): MiniRAE 3k ☐ 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	12					1	<i>1 No odor</i> <i>Light Brown Sand/Fine, w/ shell w/ trash (light) granular</i> <i>Same w/ shell w/ trash</i>	SP	D	
HA	2	24				2			SP	D	
						3					
						4					
						5					
						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

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Calibrated by (Print)/Affiliation:

Zeb Perry / MAS Env.

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

ORGANIC VAPOR ANALYZER (OVA)

Acceptance Criteria $\pm 5\%$ 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:

MiniRAE 3000

[illegible]

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

Perform only in Calibrate Mode:
Perform only in Read/Run Mode:
Perform only in Read/Run Mode:

CAL - Calibrate
ICV - Initial Calibration Verification
CCV - Continuing Calibration Verification

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) MAK RAE 3000 INSTRUMENT # 1175

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☒ OTHER: *alk*

Standard A 0.000 (Ambient Air)
Standard B 1.000 (Isobutylene)
Standard C 1.000 (Isobutylene)

[illegible]

APPENDIX B

Laboratory Analytical Results

October 9, 2023

Mike Minard
MAS Environmental LLC
205 N Armenia Ave., Suite #102
Tampa, FL 33609

RE: LOG# 2387871
Project ID: Suncoast Boat Rentals

Dear Mike Minard:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, October 04, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

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

Sincerely,



Nicole Laing for
Kacia Baldwin
kaciab@jupiterlabs.com

Report ID: 2387871

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SUMMARY OF HITS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
2387871001	SB-28 @2'					
Benzo(a)anthracene		0.156i	0.224	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.085i	0.224	0.034	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.115i	0.224	0.049	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.066i	0.224	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.063i	0.224	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.098i	0.224	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.030i	0.224	0.019	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.227i	0.373	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.084i	0.224	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.154i	0.373	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		86.7	0.1		%	SM 2540G
2387871002	SB-29 @2'					
Benzo(a)anthracene		0.161i	0.230	0.058	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.085i	0.230	0.035	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.116i	0.230	0.050	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.063i	0.230	0.058	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.065i	0.230	0.058	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.093i	0.230	0.058	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.030i	0.230	0.019	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.223i	0.384	0.096	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.080i	0.230	0.058	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.133i	0.384	0.096	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		85.3	0.1		%	SM 2540G
2387871003	SB-30 @2'					
Benzo(a)anthracene		0.110i	0.235	0.059	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.085i	0.235	0.036	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.114i	0.235	0.051	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.065i	0.235	0.059	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.059i	0.235	0.059	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.110i	0.235	0.059	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.027i	0.235	0.020	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.191i	0.391	0.098	mg/Kg	EPA 8310 List by 8270E SIM (S)

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SUMMARY OF HITS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Indeno(1,2,3-cd)pyrene		0.084i	0.235	0.059	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.120i	0.391	0.098	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		82.1	0.1		%	SM 2540G
2387871004	SB-31 @2'					
Percent Solids (Dryweight)		70.3	0.1		%	SM 2540G
2387871005	SB-32 @2'					
Benzo(a)anthracene		0.166i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.120i	0.222	0.034	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.165i	0.222	0.048	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.095i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.113i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.180i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.034i	0.222	0.019	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.350i	0.370	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.149i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.226i	0.370	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		85.5	0.1		%	SM 2540G
2387871006	SB-33 @2'					
Benzo(a)anthracene		0.364	0.268	0.067	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.276	0.268	0.041	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.480	0.268	0.058	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.206i	0.268	0.067	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.333	0.268	0.067	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.429	0.268	0.067	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.061i	0.268	0.022	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.703	0.446	0.112	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.330	0.268	0.067	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.546	0.446	0.112	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		73.8	0.1		%	SM 2540G
2387871007	SB-34 @2'					
Benzo(a)anthracene		0.159i	0.216	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.117i	0.216	0.033	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.161i	0.216	0.047	mg/Kg	EPA 8310 List by 8270E SIM (S)

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SUMMARY OF HITS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Benzo(g,h,i)perylene		0.091i	0.216	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.097i	0.216	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.179i	0.216	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.032i	0.216	0.018	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.413	0.360	0.090	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.133i	0.216	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Phenanthrene		0.196i	0.360	0.180	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.275i	0.360	0.090	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		90.9	0.1		%	SM 2540G
2387871008 SB-35 @2'						
Anthracene		0.170i	0.370	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)anthracene		0.941	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.740	0.222	0.034	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		1.28	0.222	0.048	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.591	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.420	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		1.11	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.122i	0.222	0.019	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		2.37	0.370	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.956	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Phenanthrene		0.712	0.370	0.185	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		1.63	0.370	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		87.2	0.1		%	SM 2540G
2387871009 SB-36 @2'						
Benzo(a)anthracene		0.209i	0.239	0.060	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.172i	0.239	0.037	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.312	0.239	0.052	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.163i	0.239	0.060	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.136i	0.239	0.060	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.270	0.239	0.060	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.028i	0.239	0.020	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.455	0.398	0.099	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.186i	0.239	0.060	mg/Kg	EPA 8310 List by 8270E SIM (S)

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SUMMARY OF HITS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Phenanthrene		0.252i	0.398	0.199	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.310i	0.398	0.099	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		81.5	0.1		%	SM 2540G
2387871010 SB-37 @2'						
Benzo(a)pyrene		0.032i	0.213	0.033	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.056i	0.213	0.046	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.054i	0.213	0.053	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.091i	0.355	0.089	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		91.9	0.1		%	SM 2540G
2387871011 SB-38 @2'						
Benzo(a)anthracene		0.062i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.057i	0.222	0.034	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.092i	0.222	0.048	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.067i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.070i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.092i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.095i	0.370	0.093	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.066i	0.222	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		88.3	0.1		%	SM 2540G
2387871012 SB-39 @2'						
Benzo(a)anthracene		0.088i	0.225	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(a)pyrene		0.101i	0.225	0.035	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.210i	0.225	0.049	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.117i	0.225	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.090i	0.225	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.152i	0.225	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Dibenzo(a,h)anthracene		0.025i	0.225	0.019	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.159i	0.376	0.094	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.127i	0.225	0.056	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.165i	0.376	0.094	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		87.6	0.1		%	SM 2540G
2387871013 SB-40 @2'						
Benzo(a)anthracene		0.054i	0.215	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)

Report ID: 2387871
231009 0419

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SUMMARY OF HITS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	PQL	MDL	Units	Method
Benzo(a)pyrene		0.060i	0.215	0.033	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(b)fluoranthene		0.111i	0.215	0.047	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(g,h,i)perylene		0.085i	0.215	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Benzo(k)fluoranthene		0.058i	0.215	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Chrysene		0.089i	0.215	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Fluoranthene		0.106i	0.359	0.090	mg/Kg	EPA 8310 List by 8270E SIM (S)
Indeno(1,2,3-cd)pyrene		0.073i	0.215	0.054	mg/Kg	EPA 8310 List by 8270E SIM (S)
Pyrene		0.092i	0.359	0.090	mg/Kg	EPA 8310 List by 8270E SIM (S)
Percent Solids (Dryweight)		90.4	0.1		%	SM 2540G

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SAMPLE ANALYTE COUNT

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID	Sample ID	Method	Analytes Reported
2387871001	SB-28 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871002	SB-29 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871003	SB-30 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871004	SB-31 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871005	SB-32 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871006	SB-33 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871007	SB-34 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871008	SB-35 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871009	SB-36 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871010	SB-37 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871011	SB-38 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871012	SB-39 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1
2387871013	SB-40 @2'	EPA 8310 List by 8270E SIM (S)	21
		SM 2540G	1

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SAMPLE SUMMARY

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2387871001	SB-28 @2'	Soil/Solid	10/2/2023 13:57	10/4/2023 07:00
2387871002	SB-29 @2'	Soil/Solid	10/2/2023 14:11	10/4/2023 07:00
2387871003	SB-30 @2'	Soil/Solid	10/2/2023 12:49	10/4/2023 07:00
2387871004	SB-31 @2'	Soil/Solid	10/2/2023 12:37	10/4/2023 07:00
2387871005	SB-32 @2'	Soil/Solid	10/2/2023 12:23	10/4/2023 07:00
2387871006	SB-33 @2'	Soil/Solid	10/2/2023 12:02	10/4/2023 07:00
2387871007	SB-34 @2'	Soil/Solid	10/2/2023 11:34	10/4/2023 07:00
2387871008	SB-35 @2'	Soil/Solid	10/2/2023 11:48	10/4/2023 07:00
2387871009	SB-36 @2'	Soil/Solid	10/2/2023 14:27	10/4/2023 07:00
2387871010	SB-37 @2'	Soil/Solid	10/3/2023 07:58	10/4/2023 07:00
2387871011	SB-38 @2'	Soil/Solid	10/3/2023 08:07	10/4/2023 07:00
2387871012	SB-39 @2'	Soil/Solid	10/3/2023 08:21	10/4/2023 07:00
2387871013	SB-40 @2'	Soil/Solid	10/3/2023 08:35	10/4/2023 07:00

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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871001**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-28 @2'**

Date Collected: 10/2/2023 13:57

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.187	U mg/Kg	0.746	0.187	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
2-Methylnaphthalene	0.187	U mg/Kg	0.746	0.187	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Acenaphthene	0.093	U mg/Kg	0.373	0.093	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Acenaphthylene	0.093	U mg/Kg	0.373	0.093	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Anthracene	0.093	U mg/Kg	0.373	0.093	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Benzo(a)anthracene	0.156i	mg/Kg	0.224	0.056	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Benzo(a)pyrene	0.085i	mg/Kg	0.224	0.034	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Benzo(b)fluoranthene	0.115i	mg/Kg	0.224	0.049	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Benzo(g,h,i)perylene	0.066i	mg/Kg	0.224	0.056	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Benzo(k)fluoranthene	0.063i	mg/Kg	0.224	0.056	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Chrysene	0.098i	mg/Kg	0.224	0.056	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Dibenzo(a,h)anthracene	0.030i	mg/Kg	0.224	0.019	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Fluoranthene	0.227i	mg/Kg	0.373	0.093	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Fluorene	0.093	U mg/Kg	0.373	0.093	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Indeno(1,2,3-cd)pyrene	0.084i	mg/Kg	0.224	0.056	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Naphthalene	0.187	U mg/Kg	0.746	0.187	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Phenanthrene	0.187	U mg/Kg	0.373	0.187	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Pyrene	0.154i	mg/Kg	0.373	0.093	1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
Nitrobenzene-d5 (S)	82 %		20-150		1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
2-Fluorobiphenyl (S)	97 %		30-150		1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB
p-Terphenyl-d14 (S)	81 %		15-150		1	10/4/2023 10:24	NI	10/4/2023 18:18	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	86.7 %	0.1	1	10/5/2023 10:36	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871002**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-29 @2'**

Date Collected: 10/2/2023 14:11

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.192	U mg/Kg	0.768	0.192	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
2-Methylnaphthalene	0.192	U mg/Kg	0.768	0.192	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Acenaphthene	0.096	U mg/Kg	0.384	0.096	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Acenaphthylene	0.096	U mg/Kg	0.384	0.096	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Anthracene	0.096	U mg/Kg	0.384	0.096	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Benzo(a)anthracene	0.161i	mg/Kg	0.230	0.058	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Benzo(a)pyrene	0.085i	mg/Kg	0.230	0.035	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Benzo(b)fluoranthene	0.116i	mg/Kg	0.230	0.050	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Benzo(g,h,i)perylene	0.063i	mg/Kg	0.230	0.058	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Benzo(k)fluoranthene	0.065i	mg/Kg	0.230	0.058	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Chrysene	0.093i	mg/Kg	0.230	0.058	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Dibenzo(a,h)anthracene	0.030i	mg/Kg	0.230	0.019	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Fluoranthene	0.223i	mg/Kg	0.384	0.096	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Fluorene	0.096	U mg/Kg	0.384	0.096	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Indeno(1,2,3-cd)pyrene	0.080i	mg/Kg	0.230	0.058	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Naphthalene	0.192	U mg/Kg	0.768	0.192	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Phenanthrene	0.192	U mg/Kg	0.384	0.192	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Pyrene	0.133i	mg/Kg	0.384	0.096	1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
Nitrobenzene-d5 (S)	79	%	20-150		1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
2-Fluorobiphenyl (S)	94	%	30-150		1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB
p-Terphenyl-d14 (S)	82	%	15-150		1 10/4/2023 10:24	NI	10/4/2023 18:41	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	85.3	%	0.1	1	10/5/2023 10:40	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871003**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-30 @2'**

Date Collected: 10/2/2023 12:49

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.195	U mg/Kg	0.782	0.195	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
2-Methylnaphthalene	0.195	U mg/Kg	0.782	0.195	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Acenaphthene	0.098	U mg/Kg	0.391	0.098	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Acenaphthylene	0.098	U mg/Kg	0.391	0.098	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Anthracene	0.098	U mg/Kg	0.391	0.098	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Benzo(a)anthracene	0.110i	mg/Kg	0.235	0.059	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Benzo(a)pyrene	0.085i	mg/Kg	0.235	0.036	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Benzo(b)fluoranthene	0.114i	mg/Kg	0.235	0.051	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Benzo(g,h,i)perylene	0.065i	mg/Kg	0.235	0.059	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Benzo(k)fluoranthene	0.059i	mg/Kg	0.235	0.059	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Chrysene	0.110i	mg/Kg	0.235	0.059	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Dibenzo(a,h)anthracene	0.027i	mg/Kg	0.235	0.020	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Fluoranthene	0.191i	mg/Kg	0.391	0.098	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Fluorene	0.098	U mg/Kg	0.391	0.098	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Indeno(1,2,3-cd)pyrene	0.084i	mg/Kg	0.235	0.059	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Naphthalene	0.195	U mg/Kg	0.782	0.195	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Phenanthrene	0.195	U mg/Kg	0.391	0.195	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Pyrene	0.120i	mg/Kg	0.391	0.098	1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
Nitrobenzene-d5 (S)	78	%	20-150		1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
2-Fluorobiphenyl (S)	87	%	30-150		1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB
p-Terphenyl-d14 (S)	73	%	15-150		1 10/4/2023 10:24	NI	10/4/2023 19:04	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	82.1	%	0.1	1	10/5/2023 10:44	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871004**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-31 @2'**

Date Collected: 10/2/2023 12:37

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.228	U mg/Kg	0.910	0.228	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
2-Methylnaphthalene	0.228	U mg/Kg	0.910	0.228	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Acenaphthene	0.114	U mg/Kg	0.455	0.114	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Acenaphthylene	0.114	U mg/Kg	0.455	0.114	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Anthracene	0.114	U mg/Kg	0.455	0.114	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Benzo(a)anthracene	0.068	U mg/Kg	0.273	0.068	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Benzo(a)pyrene	0.042	U mg/Kg	0.273	0.042	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Benzo(b)fluoranthene	0.059	U mg/Kg	0.273	0.059	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Benzo(g,h,i)perylene	0.068	U mg/Kg	0.273	0.068	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Benzo(k)fluoranthene	0.068	U mg/Kg	0.273	0.068	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Chrysene	0.068	U mg/Kg	0.273	0.068	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Dibenzo(a,h)anthracene	0.023	U mg/Kg	0.273	0.023	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Fluoranthene	0.114	U mg/Kg	0.455	0.114	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Fluorene	0.114	U mg/Kg	0.455	0.114	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Indeno(1,2,3-cd)pyrene	0.068	U mg/Kg	0.273	0.068	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Naphthalene	0.228	U mg/Kg	0.910	0.228	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Phenanthrene	0.228	U mg/Kg	0.455	0.228	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Pyrene	0.114	U mg/Kg	0.455	0.114	1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
Nitrobenzene-d5 (S)	76	%	20-150		1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
2-Fluorobiphenyl (S)	83	%	30-150		1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB
p-Terphenyl-d14 (S)	74	%	15-150		1	10/4/2023 10:24	NI	10/4/2023 19:50	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	70.3	%	0.1	1		10/5/2023 10:54	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871005**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-32 @2'**

Date Collected: 10/2/2023 12:23

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.185	U mg/Kg	0.741	0.185	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
2-Methylnaphthalene	0.185	U mg/Kg	0.741	0.185	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Acenaphthene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Acenaphthylene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Anthracene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Benzo(a)anthracene	0.166i	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Benzo(a)pyrene	0.120i	mg/Kg	0.222	0.034	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Benzo(b)fluoranthene	0.165i	mg/Kg	0.222	0.048	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Benzo(g,h,i)perylene	0.095i	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Benzo(k)fluoranthene	0.113i	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Chrysene	0.180i	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Dibenzo(a,h)anthracene	0.034i	mg/Kg	0.222	0.019	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Fluoranthene	0.350i	mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Fluorene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Indeno(1,2,3-cd)pyrene	0.149i	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Naphthalene	0.185	U mg/Kg	0.741	0.185	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Phenanthrene	0.185	U mg/Kg	0.370	0.185	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Pyrene	0.226i	mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
Nitrobenzene-d5 (S)	78 %		20-150		1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
2-Fluorobiphenyl (S)	92 %		30-150		1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB
p-Terphenyl-d14 (S)	78 %		15-150		1	10/4/2023 10:24	NI	10/4/2023 20:13	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	85.5 %	0.1	1	10/5/2023 10:51	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871006**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-33 @2'**

Date Collected: 10/2/2023 12:02

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.223	U mg/Kg	0.892	0.223	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
2-Methylnaphthalene	0.223	U mg/Kg	0.892	0.223	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Acenaphthene	0.112	U mg/Kg	0.446	0.112	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Acenaphthylene	0.112	U mg/Kg	0.446	0.112	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Anthracene	0.112	U mg/Kg	0.446	0.112	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Benzo(a)anthracene	0.364	mg/Kg	0.268	0.067	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Benzo(a)pyrene	0.276	mg/Kg	0.268	0.041	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Benzo(b)fluoranthene	0.480	mg/Kg	0.268	0.058	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Benzo(g,h,i)perylene	0.206i	mg/Kg	0.268	0.067	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Benzo(k)fluoranthene	0.333	mg/Kg	0.268	0.067	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Chrysene	0.429	mg/Kg	0.268	0.067	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Dibenzo(a,h)anthracene	0.061i	mg/Kg	0.268	0.022	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Fluoranthene	0.703	mg/Kg	0.446	0.112	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Fluorene	0.112	U mg/Kg	0.446	0.112	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Indeno(1,2,3-cd)pyrene	0.330	mg/Kg	0.268	0.067	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Naphthalene	0.223	U mg/Kg	0.892	0.223	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Phenanthrene	0.223	U mg/Kg	0.446	0.223	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Pyrene	0.546	mg/Kg	0.446	0.112	1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
Nitrobenzene-d5 (S)	75 %		20-150		1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
2-Fluorobiphenyl (S)	87 %		30-150		1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB
p-Terphenyl-d14 (S)	70 %		15-150		1	10/4/2023 10:24	NI	10/4/2023 20:59	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	73.8 %	0.1	1	10/5/2023 11:01	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871007**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-34 @2'**

Date Collected: 10/2/2023 11:34

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.180	U mg/Kg	0.719	0.180	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
2-Methylnaphthalene	0.180	U mg/Kg	0.719	0.180	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Acenaphthene	0.090	U mg/Kg	0.360	0.090	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Acenaphthylene	0.090	U mg/Kg	0.360	0.090	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Anthracene	0.090	U mg/Kg	0.360	0.090	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Benzo(a)anthracene	0.159i	mg/Kg	0.216	0.054	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Benzo(a)pyrene	0.117i	mg/Kg	0.216	0.033	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Benzo(b)fluoranthene	0.161i	mg/Kg	0.216	0.047	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Benzo(g,h,i)perylene	0.091i	mg/Kg	0.216	0.054	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Benzo(k)fluoranthene	0.097i	mg/Kg	0.216	0.054	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Chrysene	0.179i	mg/Kg	0.216	0.054	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Dibenzo(a,h)anthracene	0.032i	mg/Kg	0.216	0.018	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Fluoranthene	0.413	mg/Kg	0.360	0.090	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Fluorene	0.090	U mg/Kg	0.360	0.090	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Indeno(1,2,3-cd)pyrene	0.133i	mg/Kg	0.216	0.054	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Naphthalene	0.180	U mg/Kg	0.719	0.180	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Phenanthrene	0.196i	mg/Kg	0.360	0.180	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Pyrene	0.275i	mg/Kg	0.360	0.090	1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
Nitrobenzene-d5 (S)	77	%	20-150		1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
2-Fluorobiphenyl (S)	96	%	30-150		1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB
p-Terphenyl-d14 (S)	86	%	15-150		1	10/4/2023 10:24	NI	10/4/2023 21:22	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	90.9	%	0.1	1		10/5/2023 10:57	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871008**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-35 @2'**

Date Collected: 10/2/2023 11:48

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.185	U mg/Kg	0.740	0.185	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
2-Methylnaphthalene	0.185	U mg/Kg	0.740	0.185	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Acenaphthene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Acenaphthylene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Anthracene	0.170i	mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Benzo(a)anthracene	0.941	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Benzo(a)pyrene	0.740	mg/Kg	0.222	0.034	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Benzo(b)fluoranthene	1.28	mg/Kg	0.222	0.048	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Benzo(g,h,i)perylene	0.591	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Benzo(k)fluoranthene	0.420	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Chrysene	1.11	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Dibenzo(a,h)anthracene	0.122i	mg/Kg	0.222	0.019	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Fluoranthene	2.37	mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Fluorene	0.093	U mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Indeno(1,2,3-cd)pyrene	0.956	mg/Kg	0.222	0.056	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Naphthalene	0.185	U mg/Kg	0.740	0.185	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Phenanthrene	0.712	mg/Kg	0.370	0.185	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Pyrene	1.63	mg/Kg	0.370	0.093	1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
Nitrobenzene-d5 (S)	80 %		20-150		1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
2-Fluorobiphenyl (S)	95 %		30-150		1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB
p-Terphenyl-d14 (S)	74 %		15-150		1	10/4/2023 10:24	NI	10/4/2023 21:45	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	87.2 %	0.1	1	10/5/2023 11:03	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871009**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-36 @2'**

Date Collected: 10/2/2023 14:27

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.199	U mg/Kg	0.796	0.199	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
2-Methylnaphthalene	0.199	U mg/Kg	0.796	0.199	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Acenaphthene	0.099	U mg/Kg	0.398	0.099	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Acenaphthylene	0.099	U mg/Kg	0.398	0.099	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Anthracene	0.099	U mg/Kg	0.398	0.099	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Benzo(a)anthracene	0.209i	mg/Kg	0.239	0.060	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Benzo(a)pyrene	0.172i	mg/Kg	0.239	0.037	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Benzo(b)fluoranthene	0.312	mg/Kg	0.239	0.052	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Benzo(g,h,i)perylene	0.163i	mg/Kg	0.239	0.060	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Benzo(k)fluoranthene	0.136i	mg/Kg	0.239	0.060	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Chrysene	0.270	mg/Kg	0.239	0.060	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Dibenzo(a,h)anthracene	0.028i	mg/Kg	0.239	0.020	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Fluoranthene	0.455	mg/Kg	0.398	0.099	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Fluorene	0.099	U mg/Kg	0.398	0.099	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Indeno(1,2,3-cd)pyrene	0.186i	mg/Kg	0.239	0.060	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Naphthalene	0.199	U mg/Kg	0.796	0.199	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Phenanthrene	0.252i	mg/Kg	0.398	0.199	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Pyrene	0.310i	mg/Kg	0.398	0.099	1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
Nitrobenzene-d5 (S)	63 %		20-150		1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
2-Fluorobiphenyl (S)	72 %		30-150		1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB
p-Terphenyl-d14 (S)	61 %		15-150		1 10/4/2023 10:24	NI	10/5/2023 13:13	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	81.5 %	0.1	1	10/5/2023 11:09	CT
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CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 2387871
Project ID: Suncoast Boat Rentals

Lab ID: **2387871010** Date Received: 10/4/2023 07:00 Matrix: Soil/Solid
Sample ID: **SB-37 @2'** Date Collected: 10/3/2023 07:58

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.177	U mg/Kg	0.709	0.177	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
2-Methylnaphthalene	0.177	U mg/Kg	0.709	0.177	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Acenaphthene	0.089	U mg/Kg	0.355	0.089	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Acenaphthylene	0.089	U mg/Kg	0.355	0.089	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Anthracene	0.089	U mg/Kg	0.355	0.089	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Benzo(a)anthracene	0.053	U mg/Kg	0.213	0.053	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Benzo(a)pyrene	0.032i	mg/Kg	0.213	0.033	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Benzo(b)fluoranthene	0.056i	mg/Kg	0.213	0.046	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Benzo(g,h,i)perylene	0.053	U mg/Kg	0.213	0.053	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Benzo(k)fluoranthene	0.053	U mg/Kg	0.213	0.053	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Chrysene	0.054i	mg/Kg	0.213	0.053	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Dibenzo(a,h)anthracene	0.018	U mg/Kg	0.213	0.018	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Fluoranthene	0.091i	mg/Kg	0.355	0.089	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Fluorene	0.089	U mg/Kg	0.355	0.089	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Indeno(1,2,3-cd)pyrene	0.053	U mg/Kg	0.213	0.053	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Naphthalene	0.177	U mg/Kg	0.709	0.177	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Phenanthrene	0.177	U mg/Kg	0.355	0.177	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Pyrene	0.089	U mg/Kg	0.355	0.089	1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
Nitrobenzene-d5 (S)	63 %		20-150		1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
2-Fluorobiphenyl (S)	81 %		30-150		1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB
p-Terphenyl-d14 (S)	87 %		15-150		1	10/4/2023 10:24	NI	10/5/2023 13:35	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	91.9 %	0.1	1	10/5/2023 11:14	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871011**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-38 @2'**

Date Collected: 10/3/2023 08:07

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.185	U mg/Kg	0.740	0.185	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
2-Methylnaphthalene	0.185	U mg/Kg	0.740	0.185	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Acenaphthene	0.093	U mg/Kg	0.370	0.093	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Acenaphthylene	0.093	U mg/Kg	0.370	0.093	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Anthracene	0.093	U mg/Kg	0.370	0.093	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Benzo(a)anthracene	0.062i	mg/Kg	0.222	0.056	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Benzo(a)pyrene	0.057i	mg/Kg	0.222	0.034	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Benzo(b)fluoranthene	0.092i	mg/Kg	0.222	0.048	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Benzo(g,h,i)perylene	0.067i	mg/Kg	0.222	0.056	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Benzo(k)fluoranthene	0.070i	mg/Kg	0.222	0.056	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Chrysene	0.092i	mg/Kg	0.222	0.056	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Dibenzo(a,h)anthracene	0.019	U mg/Kg	0.222	0.019	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Fluoranthene	0.095i	mg/Kg	0.370	0.093	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Fluorene	0.093	U mg/Kg	0.370	0.093	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Indeno(1,2,3-cd)pyrene	0.066i	mg/Kg	0.222	0.056	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Naphthalene	0.185	U mg/Kg	0.740	0.185	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Phenanthrene	0.185	U mg/Kg	0.370	0.185	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Pyrene	0.093	U mg/Kg	0.370	0.093	1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
Nitrobenzene-d5 (S)	83 %		20-150		1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
2-Fluorobiphenyl (S)	84 %		30-150		1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB
p-Terphenyl-d14 (S)	89 %		15-150		1 10/4/2023 13:16	NI	10/5/2023 13:57	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	88.3 %	0.1	1	10/5/2023 11:14	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871012**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-39 @2'**

Date Collected: 10/3/2023 08:21

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.188	U mg/Kg	0.752	0.188	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
2-Methylnaphthalene	0.188	U mg/Kg	0.752	0.188	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Acenaphthene	0.094	U mg/Kg	0.376	0.094	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Acenaphthylene	0.094	U mg/Kg	0.376	0.094	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Anthracene	0.094	U mg/Kg	0.376	0.094	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Benzo(a)anthracene	0.088i	mg/Kg	0.225	0.056	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Benzo(a)pyrene	0.101i	mg/Kg	0.225	0.035	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Benzo(b)fluoranthene	0.210i	mg/Kg	0.225	0.049	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Benzo(g,h,i)perylene	0.117i	mg/Kg	0.225	0.056	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Benzo(k)fluoranthene	0.090i	mg/Kg	0.225	0.056	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Chrysene	0.152i	mg/Kg	0.225	0.056	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Dibenzo(a,h)anthracene	0.025i	mg/Kg	0.225	0.019	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Fluoranthene	0.159i	mg/Kg	0.376	0.094	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Fluorene	0.094	U mg/Kg	0.376	0.094	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Indeno(1,2,3-cd)pyrene	0.127i	mg/Kg	0.225	0.056	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Naphthalene	0.188	U mg/Kg	0.752	0.188	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Phenanthrene	0.188	U mg/Kg	0.376	0.188	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Pyrene	0.165i	mg/Kg	0.376	0.094	1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
Nitrobenzene-d5 (S)	74 %		20-150		1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
2-Fluorobiphenyl (S)	75 %		30-150		1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB
p-Terphenyl-d14 (S)	81 %		15-150		1 10/4/2023 13:16	NI	10/5/2023 14:19	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	87.6 %	0.1	1	10/5/2023 11:19	CT
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ANALYTICAL RESULTS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

Lab ID: **2387871013**

Date Received: 10/4/2023 07:00

Matrix: Soil/Solid

Sample ID: **SB-40 @2'**

Date Collected: 10/3/2023 08:35

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
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Semivolatiles by EPA 8270C

Analysis Desc: PAH List by 8270 SIM (S)

Preparation Method: EPA 3545

Analytical Method: EPA 8310 List by 8270E SIM (S)

1-Methylnaphthalene	0.180	U mg/Kg	0.718	0.180	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
2-Methylnaphthalene	0.180	U mg/Kg	0.718	0.180	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Acenaphthene	0.090	U mg/Kg	0.359	0.090	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Acenaphthylene	0.090	U mg/Kg	0.359	0.090	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Anthracene	0.090	U mg/Kg	0.359	0.090	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Benzo(a)anthracene	0.054i	mg/Kg	0.215	0.054	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Benzo(a)pyrene	0.060i	mg/Kg	0.215	0.033	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Benzo(b)fluoranthene	0.111i	mg/Kg	0.215	0.047	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Benzo(g,h,i)perylene	0.085i	mg/Kg	0.215	0.054	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Benzo(k)fluoranthene	0.058i	mg/Kg	0.215	0.054	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Chrysene	0.089i	mg/Kg	0.215	0.054	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Dibenzo(a,h)anthracene	0.018	U mg/Kg	0.215	0.018	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Fluoranthene	0.106i	mg/Kg	0.359	0.090	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Fluorene	0.090	U mg/Kg	0.359	0.090	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Indeno(1,2,3-cd)pyrene	0.073i	mg/Kg	0.215	0.054	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Naphthalene	0.180	U mg/Kg	0.718	0.180	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Phenanthrene	0.180	U mg/Kg	0.359	0.180	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Pyrene	0.092i	mg/Kg	0.359	0.090	1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
Nitrobenzene-d5 (S)	70 %		20-150		1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
2-Fluorobiphenyl (S)	65 %		30-150		1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB
p-Terphenyl-d14 (S)	69 %		15-150		1 10/4/2023 13:16	NI	10/5/2023 15:24	TDB

Wet Chemistry

Analysis Desc: 2540G Percent Solids (Dryweight)

Analytical Method: SM 2540G

Percent Solids (Dryweight)	90.4 %	0.1	1	10/5/2023 11:20	CT
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ANALYTICAL RESULTS QUALIFIERS

Workorder: 2387871

Project ID: Suncoast Boat Rentals

PARAMETER QUALIFIERS

PROJECT COMMENTS

2387871 A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

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QUALITY CONTROL DATA

Workorder: 2387871

Project ID: Suncoast Boat Rentals

QC Batch:	XXX/17822	Analysis Method:		EPA 8310 List by 8270E SIM (S)		
QC Batch Method:	EPA 3545					
Associated Lab Samples:	2387871001	2387871002	2387871003	2387871004	2387871005	2387871006
	2387871007	2387871008	2387871009	2387871010	2387871011	2387871012
	2387871013					

METHOD BLANK: 292350

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
Nitrobenzene-d5 (S)	%	92	20-150	
2-Fluorobiphenyl (S)	%	105	30-150	
p-Terphenyl-d 14 (S)	%	100	15-150	
Naphthalene	mg/Kg	U	0.100	
2-Methylnaphthalene	mg/Kg	U	0.100	
1-Methylnaphthalene	mg/Kg	U	0.100	
Acenaphthylene	mg/Kg	U	0.050	
Acenaphthene	mg/Kg	U	0.050	
Fluorene	mg/Kg	U	0.050	
Phenanthrene	mg/Kg	U	0.100	
Anthracene	mg/Kg	U	0.050	
Fluoranthene	mg/Kg	U	0.050	
Pyrene	mg/Kg	U	0.050	
Benzo(a)anthracene	mg/Kg	U	0.030	
Chrysene	mg/Kg	U	0.030	
Benzo(b)fluoranthene	mg/Kg	U	0.026	
Benzo(k)fluoranthene	mg/Kg	U	0.030	
Benzo(a)pyrene	mg/Kg	U	0.018	
Dibenzo(a,h)anthracene	mg/Kg	U	0.010	
Indeno(1,2,3-cd)pyrene	mg/Kg	U	0.030	
Benzo(g,h,i)perylene	mg/Kg	U	0.030	

LABORATORY CONTROL SAMPLE & LCSD: 292351 292352

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
Nitrobenzene-d5 (S)	%				90	87	20-150	4		
2-Fluorobiphenyl (S)	%				109	104	30-150	4		
p-Terphenyl-d 14 (S)	%				94	90	15-150	4		
Naphthalene	mg/Kg	2	1.91	1.84	95	92	40-150	4	40	
2-Methylnaphthalene	mg/Kg	2	1.92	1.83	96	91	40-150	5	40	
1-Methylnaphthalene	mg/Kg	2.01	2.17	2.06	108	103	40-150	5	40	
Acenaphthylene	mg/Kg	2	2.01	1.99	101	99	40-150	1	40	
Acenaphthene	mg/Kg	2	2.16	2.04	108	102	35-150	6	40	

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QUALITY CONTROL DATA

Workorder: 2387871

Project ID: Suncoast Boat Rentals

LABORATORY CONTROL SAMPLE & LCSD: 292351

292352

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Fluorene	mg/Kg	2	2.04	1.94	102	97	40-150	5	40	
Phenanthrene	mg/Kg	2.01	1.74	1.69	87	84	40-150	3	40	
Anthracene	mg/Kg	2	2.00	1.89	100	94	40-150	6	40	
Fluoranthene	mg/Kg	2	1.94	1.90	97	95	40-150	2	40	
Pyrene	mg/Kg	2	2.03	1.89	101	94	40-150	7	40	
Benzo(a)anthracene	mg/Kg	2.01	2.02	1.91	101	95	40-150	6	40	
Chrysene	mg/Kg	2.01	1.86	1.79	93	89	40-150	4	40	
Benzo(b)fluoranthene	mg/Kg	2.01	1.49	1.47	74	73	40-150	1	40	
Benzo(k)fluoranthene	mg/Kg	2.01	1.79	1.76	89	88	40-150	2	40	
Benzo(a)pyrene	mg/Kg	2	1.66	1.59	83	80	40-150	4	40	
Dibenzo(a,h)anthracene	mg/Kg	2.01	1.67	1.63	83	81	40-150	2	40	
Indeno(1,2,3-cd)pyrene	mg/Kg	2.01	1.81	1.76	90	88	40-150	3	40	
Benzo(g,h,i)perylene	mg/Kg	2.01	1.63	1.58	81	79	40-150	3	40	

MATRIX SPIKE SAMPLE: 292353

Original: 2387871003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by EPA 8270C							
Nitrobenzene-d5 (S)	%				83	20-150	
2-Fluorobiphenyl (S)	%				93	30-150	
p-Terphenyl-d14 (S)	%				73	15-150	
Naphthalene	mg/Kg	0	3.27	2.86	88	40-150	
2-Methylnaphthalene	mg/Kg	0	3.27	2.76	84	40-150	
1-Methylnaphthalene	mg/Kg	0	3.28	3.14	96	40-150	
Acenaphthylene	mg/Kg	0	3.26	2.95	91	40-150	
Acenaphthene	mg/Kg	0	3.26	3.08	94	35-150	
Fluorene	mg/Kg	0	3.26	2.85	87	40-150	
Phenanthrene	mg/Kg	0.038	3.28	2.57	77	40-150	
Anthracene	mg/Kg	0	3.26	2.75	84	40-150	
Fluoranthene	mg/Kg	0.157	3.26	3.09	90	40-150	
Pyrene	mg/Kg	0.099	3.26	2.9	86	40-150	
Benzo(a)anthracene	mg/Kg	0.09	3.27	2.77	82	40-150	
Chrysene	mg/Kg	0.09	3.27	2.6	77	40-150	
Benzo(b)fluoranthene	mg/Kg	0.093	3.28	2.11	62	40-150	
Benzo(k)fluoranthene	mg/Kg	0.049	3.27	2.41	72	40-150	
Benzo(a)pyrene	mg/Kg	0.069	3.26	2.14	64	40-150	
Dibenzo(a,h)anthracene	mg/Kg	0.022	3.27	2.01	61	40-150	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.069	3.27	2.42	72	40-150	
Benzo(g,h,i)perylene	mg/Kg	0.053	3.27	2.16	64	40-150	

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QUALITY CONTROL DATA

Workorder: 2387871

Project ID: Suncoast Boat Rentals

SAMPLE DUPLICATE: 292354

Original: 2387871005

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C						
Nitrobenzene-d5 (S)	%	2480		5		
2-Fluorobiphenyl (S)	%	2910		2		
p-Terphenyl-d14 (S)	%	2460		3		
Naphthalene	mg/Kg	0	U	0	40	
2-Methylnaphthalene	mg/Kg	0	U	0	40	
1-Methylnaphthalene	mg/Kg	0	U	0	40	
Acenaphthylene	mg/Kg	0	U	200	40	
Acenaphthene	mg/Kg	0	U	200	40	
Fluorene	mg/Kg	0	U	0	40	
Phenanthrene	mg/Kg	0.082	U	47	40	
Anthracene	mg/Kg	0.025	U	39	40	
Fluoranthene	mg/Kg	0.299	0.490	33	40	
Pyrene	mg/Kg	0.193	0.327i	36	40	
Benzo(a)anthracene	mg/Kg	0.142	0.208i	23	40	
Chrysene	mg/Kg	0.154	0.243	29	40	
Benzo(b)fluoranthene	mg/Kg	0.141	0.215i	26	40	
Benzo(k)fluoranthene	mg/Kg	0.097	0.116i	2	40	
Benzo(a)pyrene	mg/Kg	0.103	0.155i	25	40	
Dibenzo(a,h)anthracene	mg/Kg	0.029	0.043i	24	40	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.127	0.170i	13	40	
Benzo(g,h,i)perylene	mg/Kg	0.081	0.114i	19	40	

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QUALITY CONTROL DATA CROSS

Workord 2387871 Suncoast Boat Rentals

Lab ID	Sample	Batch Method	QC	Method	Analytical Batch
2387871001	SB-28 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871002	SB-29 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871003	SB-30 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871004	SB-31 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871005	SB-32 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871006	SB-33 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871007	SB-34 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871008	SB-35 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8983
2387871009	SB-36 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8984
2387871010	SB-37 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8984
2387871011	SB-38 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8984
2387871012	SB-39 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8984
2387871013	SB-40 @2'	EPA 3545	XXX/17822	EPA 8310 List by 8270E SIM (S)	XMS/8984
2387871001	SB-28 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871002	SB-29 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871003	SB-30 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871004	SB-31 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871005	SB-32 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871006	SB-33 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871007	SB-34 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871008	SB-35 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871009	SB-36 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871010	SB-37 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871011	SB-38 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871012	SB-39 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023
2387871013	SB-40 @2'	SM 2540G	WGR/6023	SM 2540G	WGR/6023

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..



Company Name <u>MAS Environmental</u>				LAB ANALYSIS												Requested Turnaround Time	
Address <u>205 N Arancia Ave Suite 102</u>																Note: Rush requests subject to acceptance by the laboratory	
City <u>Tampa</u> State <u>FL</u> Zip <u>33609</u>																☒ Standard ☐ Expedited	
Sampling Site Address <u>Madiers Beach, FL</u>																Due <u> </u> / <u> </u> / <u> </u>	
Attn: <u>Mike Minard</u> Email <u>mminard@mas-env.com</u>																	
Project Name <u>Seacoast Boat Rentals Project # L00014</u>																	
Sampler Name/Signature <u>Bob Ray / [Signature]</u>																	
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters	Field Filtered (Y/N)	Comments									
1	SB-28 SB-28 @ 2'	10.2.23	13:57	S	1	PAHs		ATC Ret's									
2	SB-29 @ 2'		14:11					ADAPT 9101643									
3	SB-30 @ 2'		12:49														
4	SB-31 @ 2'		12:37														
5	SB-32 @ 2'		12:23														
6	SB-33 @ 2'		12:02														
7	SB-34 @ 2'		11:34														
8	SB-35 @ 2'		11:48														
9	SB-36 @ 2'		14:27														
0																	

RUSH

Matrix Codes*		Pres Codes		Relinquished by		Received by		Date	Time
S	Soil/Solid Sediment	SW	Surface Water	A- none	I- Ice	[Signature]	[Signature]	10-3-23	11:20
GW	Ground Water	SL	Sludge	B- HNO ₃	O- Other			10-3-23	14:00
WW	Waste Water	O	Other (Please Specify)	C- H ₂ SO ₄	M- MeOH			10-3-23	19:00
DW	Drinking Water			D- NaOH	N- Na ₂ S ₂ O ₃			10-3-23	19:00
				E- HCl	Z- ZnAc			10-4-23	07:00

QA/QC level with report
 None 1 2 3 See price guide for applicable fees

FDEP Dry Cleaning ☐ FDEP UST Pre-Approval ☐ Temp Control: 2.4 °C

SFWMD ☐ ADAPT ☒ DOT ☐

Company Name				LAB ANALYSIS				Requested Turnaround Time	
Address				Field Filtered (Y/N)				Note: Rush requests subject to acceptance by the laboratory	
City								Standard	
State								Expedited	
Zip								Due	
Sampling Site Address									
Attir: Mike Rinaldi									
Project Name									
Project #									
Sampler Name/Signature									
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters	Pres Codes	Relinquished by	Comments
1	SB-3902	10/3/23	0758	S	1	8270 (PHS)			- ADP: 9/10/1643
2	SB-3902		0807						+ APC Rates
3	SB-3902		0821						
4	SB-4002		0835						
5									
6									
7									
8									
9									
0									

Matrix Codes*		Pres Codes		Relinquished by		Date		Time		Received by		Date		Time	
S	Soil/Solid Sediment	SW	Surface Water	A	none	I	Ice								
GW	Ground Water	SL	Sludge	B	HNO ₃	O	Other								
WW	Waste Water	O	Other (Please Specify)	C	H ₂ SO ₄	M	MeOH								
DW	Drinking Water			D	NaOH	N	Na ₂ SO ₄								
				E	HCl	Z	ZnAc								

QA/QC level with report		See price guide for applicable fees	
None	1 2 3		
FDEP Dry Cleaning	☐ ADAPT ☒ DOT ☐		
Temp Control:	24 °C		

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG: 2387871 Profile: 2254
 Client: MAS Project: Mike Minard
 Level: 1 Date Rec'd: 10/4/2023 7:00:00 AM
 Rec'd via: courier

Cooler Check

ID	Temp (C)	# of samples	Arrived on Ice	Security Tape Present	Intact	Comments	Temp Gun ID
	2.4	13	☒	☐	☐		Temp Gun 2

Checked By: KS

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/I Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign	Domestic	COC Comments written on COC?	Yes
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	RUSH
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes	Client Notified of discrepancies?	No
JEL to Conduct ALL Analyses?	Yes	Do VOC vials have headspace or a bubble >6mm (1/4")?	N/A
Number of Encores	0	Number of Lab Filtered Metals	0

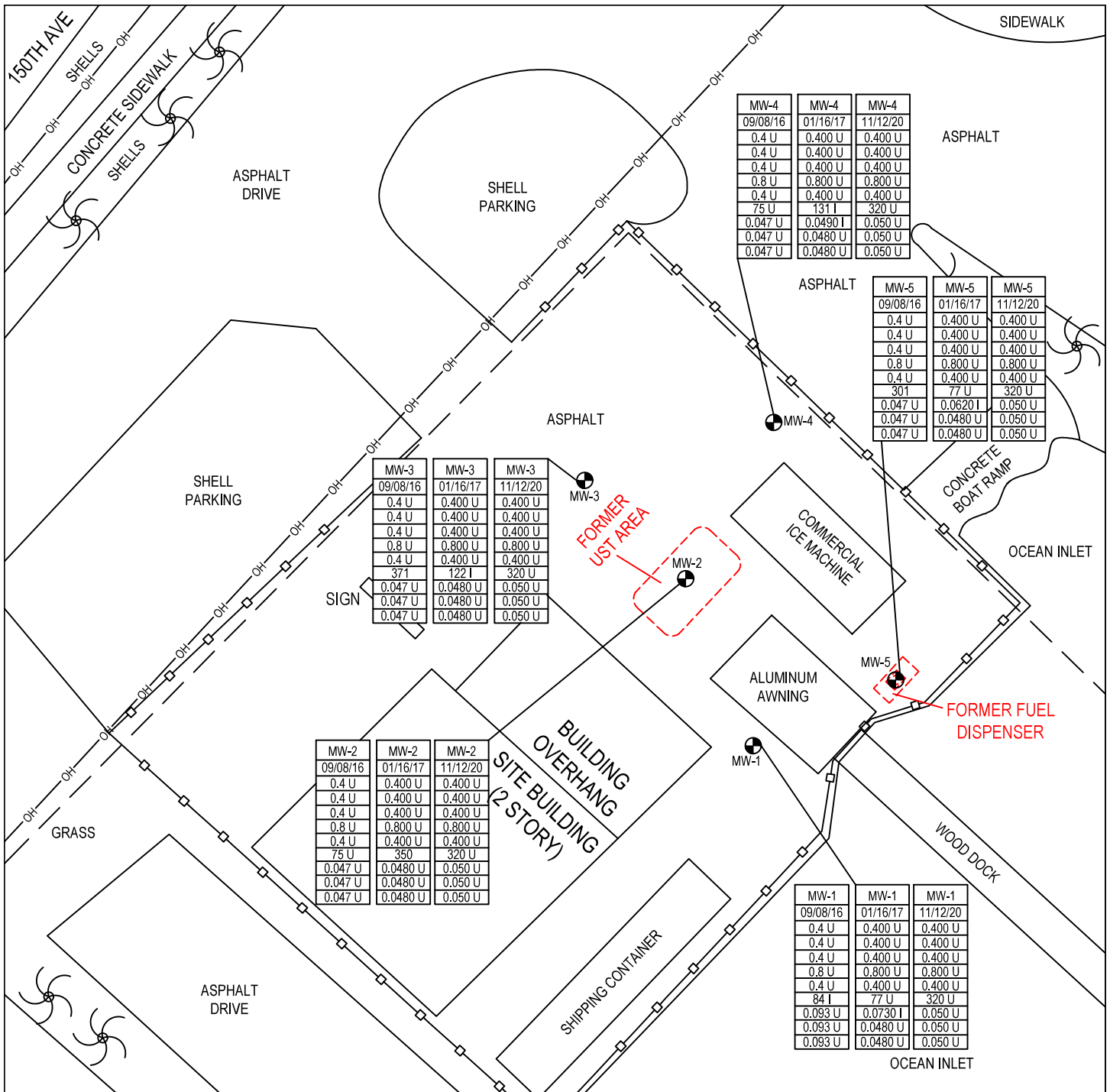
Samples Labeled by KS o 10/4/2023 Labels Confirmed by AOJ o 10/4/2023

Subcontract Analysis

Parameter	Via	Lab Name	Comments
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APPENDIX C

Historical Groundwater Data



LEGEND

- 6' CHAIN LINK FENCE
- OH OVERHEAD UTILITY LINE
- APPROXIMATE PROPERTY BOUNDARY LOCATION
- PALM TREE
- MONITORING WELL LOCATION AND DESIGNATION

MW-1	SAMPLE DESIGNATION
09/08/16	SAMPLE DATE
1	BENZENE CONCENTRATION (ug/L)
40	TOLUENE CONCENTRATION (ug/L)
30	ETHYLBENZENE CONCENTRATION (ug/L)
20	TOTAL XYLENES CONCENTRATION (ug/L)
20	MTBE CONCENTRATION (ug/L)
5000	TRPH CONCENTRATION (ug/L)
14	NAPHTHALENE CONCENTRATION (ug/L)
28	1-METHYLNAPHTHALENE CONCENTRATION (ug/L)
28	2-METHYLNAPHTHALENE CONCENTRATION (ug/L)

U= COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

I= REPORTED VALUE IS BETWEEN LAB METHOD DETECTION LIMIT AND LAB PRACTICAL QUANTITATION LIMIT



0' 20'

APPROXIMATE SCALE

1" = 20'



SUNCOAST BOAT RENTAL
 545 150TH AVE
 MADEIRA BEACH, PINELLAS COUNTY, FLORIDA
 FDEP FAC. ID. NO.: 52/9101643

GROUNDWATER ANALYTICAL SUMMARY
 MAP (09/08/16, 01/16/17 & 11/12/20)

FIGURE
 4
 PROJECT NO.
 L00014

TABLE 4A: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Suncoast Boat Rental
FDEP Facility ID: 52/9101643

Sample	Benzene		Toluene		Ethyl- benzene		Total Xylenes		MTBE		EDB		1,2 DCA		Total Arsenic		Total Cadmium		Total Chromium		Total Lead		TRPH	
	(µg/L)	1**	(µg/L)	40**	(µg/L)	30**	(µg/L)	20**	(µg/L)	20	(µg/L)	0.02	(µg/L)	3	(µg/L)	10**	(µg/L)	5**	(µg/L)	100**	(µg/L)	15**	(µg/L)	5000
NADCs	100		400		300		200		200		0.2		30		100		50		1000		150		50000	
Location	Date																							
TMW-1	3/27/1991																							
MW-1	9/8/2016																							
	1/16/2017																							
	11/12/2020																							
MW-2	9/8/2016																							
	1/16/2017																							
	11/12/2020																							
MW-3	9/8/2016																							
	1/16/2017																							
	11/12/2020																							
MW-4	9/8/2016																							
	1/16/2017																							
	11/12/2020																							
MW-5	9/8/2016																							
	1/16/2017																							
	11/12/2020																							

Notes: NS = Not Sampled.
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
U = Not Detected
I = Result > MDL but < PQL
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.

TABLE 4B: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Suncoast Boat Rental
FDEP Facility ID: 52/9101643

Sample	Naphthalene		1-Methyl-naphthalene		2-Methyl-naphthalene		Acenaphthene		Acenaphthylene		Anthracene		Benzo (g,h,i) perylene		Flouranthene		Phenanthrene		Pyrene	
	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
GCTLs	14		28		28		20		210		2100		210		280		210		210	
	140		280		280		200		2100		21000		2100		2800		2100		2100	
Location	Date																			
MW-1	9/8/2016		0.093 U		0.093 U		0.047 U		0.047 U		0.047 U		0.028 U		0.047 U		0.047 U		0.047 U	
	1/16/2017		0.073 i		0.048 U		0.024 U		0.024 U		0.024 U		0.014 U		0.024 U		0.024 U		0.024 U	
	11/12/2020		0.050 U		0.050 U		0.025 U		0.025 U		0.025 U		0.015 U		0.025 U		0.050 U		0.025 U	
MW-2	9/8/2016		0.047 U		0.047 U		0.023 U		0.023 U		0.023 U		0.014 U		0.023 U		0.032 i		0.023 U	
	1/16/2017		0.048 U		0.048 U		0.024 U		0.024 U		0.024 U		0.014 U		0.024 U		0.024 U		0.024 U	
	11/12/2020		0.050 U		0.050 U		0.025 U		0.025 U		0.025 U		0.015 U		0.025 U		0.050 U		0.025 U	
MW-3	9/8/2016		0.047 U		0.047 U		0.023 U		0.023 U		0.023 U		0.014 U		0.023 U		0.023 U		0.023 U	
	1/16/2017		0.048 U		0.048 U		0.024 U		0.024 U		0.024 U		0.014 U		0.024 U		0.024 U		0.024 U	
	11/12/2020		0.050 U		0.050 U		0.025 U		0.025 U		0.025 U		0.015 U		0.025 U		0.050 U		0.025 U	
MW-4	9/8/2016		0.047 U		0.047 U		0.023 U		0.023 U		0.023 U		0.014 U		0.023 U		0.023 U		0.023 U	
	1/16/2017		0.049 i		0.048 U		0.024 U		0.024 U		0.024 U		0.014 U		0.024 U		0.024 U		0.024 U	
	11/12/2020		0.050 U		0.050 U		0.025 U		0.025 U		0.025 U		0.015 U		0.025 U		0.050 U		0.025 U	
MW-5	9/8/2016		0.047 U		0.047 U		0.023 U		0.023 U		0.023 U		0.014 U		0.023 U		0.023 U		0.023 U	
	1/16/2017		0.062 i		0.048 U		0.024 U		0.024 U		0.024 U		0.014 U		0.024 U		0.024 U		0.024 U	
	11/12/2020		0.050 U		0.050 U		0.025 U		0.025 U		0.025 U		0.015 U		0.025 U		0.050 U		0.025 U	

Notes:

NS = Not Sampled.

MDL = Method Detection Limit

PQL = Practical Quantitation Limit

U = Not Detected

I = Result > MDL but < PQL

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.

TABLE 4C: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Suncoast Boat Rental
FDEP Facility ID: 52/9101643

Sample	Benzo (a) pyrene		Benzo (a) anthracene		Benzo (b) fluoranthene		Benzo (k) fluoranthene		Chrysene		Dibenz (a,h) anthracene		Indeno (1,2,3-cd) pyrene	
	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
GCTLs	0.2		0.05		0.05		0.5		4.8		0.005		0.05	
NADCs	20		5		5		50		480		0.5		5	
Location	Date													
MW-1	9/8/2016													
	0.028 U													
	1/16/2017													
MW-2	0.014 U													
	0.015 U													
	11/12/2020													
MW-3	0.014 U													
	0.014 U													
	11/12/2020													
MW-4	0.015 U													
	0.014 U													
	11/12/2020													
MW-5	0.015 U													
	0.014 U													
	11/12/2020													

Notes: NS = Not Sampled.

MDL = Method Detection Limit

PQL = Practical Quantitation Limit

U = Not Detected

I = Result > MDL but < PQL

* = Not an exceedance b/c the results are followed by an "I" qualifier and therefore the PQL becomes the new CTL per the 2007 FDEP memo regarding carcinogenic PAHs

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.

Petroleum Contamination Site Response Action Services
SCHEDULE OF PAY ITEMS INVOICE RATE SHEET

DETAIL INVOICE, Page 2 of 2

Facility Name: SUNCOAST BOAT RENTAL
7-Digit Facility ID #: 9101643
County: 52
Region: Central
Site Manager Name: MATT LEONARD
Site Manager Phone: (813)684-4400
Site Manager Email: mleonard@northstar.com

Contractor: Trident Treatment & Dewatering LLC d/b/a MAS Environmental LLC
CID #: 01338 Retainage %: 5% Purchase Order: C131A6
Contract #: GC779 FDEP Cost Share %: 100.00% Download Date: 1/20/23 11:29
SPI ID #: 28316 Total Extended Cost: \$ 13,774.20 Assignment Type: SCOPE
Without Handling Fee: \$ 13,744.20
Transition Agreement: ☐ Yes ☒ No

			PO Rate Sheet			Previously Invoiced	This Invoice		Balance
PAY ITEM	DESCRIPTION	UNIT OF MEASURE	UNITS	NEGOTIATED ITEM PRICE	TOTAL EXTENDED PRICE	UNITS	UNITS	EXTENDED PRICE	UNITS
Task 1									
1-2.a.	Site Health & Safety Plan for Continued Work (no cost to FDEP)	Per Site	1	\$ -	\$ -	1	0	\$ -	0
		RETAINAGE			\$ -	\$ -		\$ -	\$ -
		SUBTOTAL			\$ -	\$ -		\$ -	\$ -
Task 2									
1-4.	Permit Fees (actual fee only, cost to obtain permit is included in applicable pay items)	Reimbursable*	500	\$ 1.00	\$ 500.00	0	0	\$ -	500
1-7.	6% Handling Fee for Cost Reimbursable Items	% Surcharge	500	\$ 0.06	\$ 30.00	0	0	\$ -	500
3-1.	Mobilization, Light Duty Vehicle (car or 1/2 ton truck) - ≤ 100 miles each way	Per Round Trip	2	\$ 513.62	\$ 1,027.24	2	0	\$ -	0
5-2.	Hand Auger Boring ≤ 10 foot total depth	Per Boring	13	\$ 117.41	\$ 1,526.33	13	0	\$ -	0
8-6.	Soil/Sediment Sample Collection	Per Sample	13	\$ 73.02	\$ 949.26	13	0	\$ -	0
8-11.	Electronic Data Deliverables (EDD)	Per Sampling Event	1	\$ 174.71	\$ 174.71	1	0	\$ -	0
9-5.	Soil, Polycyclic Aromatic Hydrocarbons (EPA 8270 or EPA 8310)	Per Sample	13	\$ 110.92	\$ 1,441.96	13	0	\$ -	0
19-27.	Interim Assessment Report	Per Report	1	\$ 733.84	\$ 733.84	1	0	\$ -	0
		RETAINAGE			\$ 319.17	\$ 292.67		\$ -	\$ 26.50
		SUBTOTAL			\$ 6,383.34	\$ 5,853.34		\$ -	\$ 530.00
Task 3									
19-4.	Supplemental Site Assessment Report	Per Report	1	\$ 1,907.86	\$ 1,907.86	0	1	\$ 1,907.86	0
21-16.	P.G. or Qualified P.E. Review, Evaluation and Certification of a Supplemental Site Assessment Report	Per Report	1	\$ 483.00	\$ 483.00	0	1	\$ 483.00	0
23-1.	Contingent Funding - Allowance only to be used as offset for field change orders	NOT BILLABLE	5000	\$ 1.00	\$ 5,000.00	n/a	n/a	n/a	5000
		RETAINAGE			\$ 369.54	\$ -		\$ 119.54	\$ 250.00
		SUBTOTAL			\$ 7,390.86	\$ -		\$ 2,390.86	\$ 5,000.00
		TOTAL COST			\$ 13,774.20	\$ 5,853.34		\$ 2,390.86	\$ 5,530.00
Version: 12.0						Owner Cost Share:	\$ -	\$ -	\$ -
						FDEP Cost Share:	\$ 13,774.20	\$ 5,853.34	\$ 2,390.86
						Retainage:	\$ 688.71	\$ 292.67	\$ 119.54
						FDEP Less Retainage:	\$ 13,085.49	\$ 5,560.67	\$ 2,271.32
									\$ 5,253.50

Site Manager Approval: _____
Print Name

Signature

Date of Review Letter