FINAL - Groundwater Monitoring Report April 2021 Sampling Event

Village of Pinecrest, Miami-Dade County, Florida 10800 Red Road Pinecrest, Florida 33156

SCS ENGINEERS

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Table of Contents

Sect	ion		Page
1.0	Introdu	uction	1
		Background	
		Regional Geology	
2.0		ctivities	
		Nested Monitoring Well Sampling	
3.0		dwaterAnalytical Results	
		3.1.1 Chloride	
	3	3.1.2 Nitrite	
4.0	•	gs and Recommendations	
Figur	res		
- : .	4		
Figur Figur		Site Location Monitoring Well Locations	
Figur		USGS Saltwater Contour with Analytical Data	
i igui	c J .	0000 Saltwater Comour With Analytical Data	
Table	es		
Table	e 1:	Summary of Groundwater Elevation Data and	
Table	, <u>.</u> .	Monitoring Well Construction Details	
Table	2:	Groundwater Analytical Results Summary	
۸nn	ondica		
Abb	endice	#5	
	ndix A: ndix B:	Groundwater Sampling Logs and Calibration Forms Laboratory Analytical Reports	

1.0 INTRODUCTION

SCS Engineers (SCS) was retained by the Village of Pinecrest (Village), to prepare this Groundwater Monitoring Report for the above-referenced study area in accordance with the proposal for Evaluation of Groundwater Conditions, dated March 16, 2021. The study area is located between U.S. Highway 1 and SW 57th Ave in Miami-Dade County, Florida depicted in Figure 1. The site layout and monitoring well locations are depicted on Figure 2.

The purpose of this groundwater monitoring program is to assess the westward advancement saltwater in the Biscayne (drinking water) aquifer and potential contamination in residential drinking water wells.

1.1 BACKGROUND

In June and July of 2018 SCS engineers installed four clusters of monitoring wells along an east to west transit across the Village of Pinecrest. The purpose of these wells was to evaluate the potential saltwater intrusion in the residential wells in the village as well as potential contamination in those wells. The four monitoring well clusters (MW1, MW2, MW3, and MW4), each consisted of three monitoring wells installed to depths of a 30-foot, 50-foot, and 70 foot below land surface (BLS). Soil at each of the monitoring well locations consisted of three to six inches of top soil, six inches to three to four feet of medium grey to brown fine sand with gravel, and from four feet to 70 feet Miami Limestone.

The easternmost well cluster (MW4) is located in Pinecrest Garden Park and the westernmost well cluster is located in Coral Pine Park (MW1). The other two clusters were installed in Village owned right of way near the intersections of SW 106th Street (MW2) and SW 61st Avenue, and the intersection of Ludlam Road and SW 104th Street (MW3). The monitoring well cluster locations are shown on Figure 2.

The monitoring wells were sampled twice in 2018 to evaluate potential saltwater intrusion and potential impacts from nearby septic systems.

The results of both 2018 sampling events were consistent with chloride detection exceeding the GCTL of 250 mg/L in MW4-70 at a concentration of 12,800 mg/L (during both events). This concentration also exceeds the secondary drinking water standard concentration of 250 mg/L. A chloride concentration of 12,800 mg/L places this well outside of the range of brackish water, which is characterized by chloride concentrations between 250 mg/L and 1,000 mg/L, and within the range of salty water, which is characterized by chloride concentrations greater than 1,000 mg/L. MW4-70 is the only well that has historically indicated the impacts of saltwater intrusion.

1.2 REGIONAL GEOLOGY

According to the Florida Department of Environmental Protection Geologic Map of Florida, the site is located within the Atlantic Coastal Ridge Physiographic Province. Bedrock at the site and surrounding areas is generally described as being from the Cenozoic Era, the Quaternary System, and the Pleistocene series. More specifically the site is underlain by the Miami Limestone.

Groundwater flow the study area is toward the southeast however, groundwater flow can be influenced by the presence of topography, site drainage features, and pumping rates of nearby wells.

The Biscayne Aquifer is the principal source of water in Miami-Dade County. The Biscayne Aquifer consists of highly permeable limestone and less-permeable sandstone and sands.

2.0 FIELD ACTIVITIES

2.1 NESTED MONITORING WELL SAMPLING

On April 13 and April 14, 2021, SCS collected groundwater samples from the twelve monitoring wells (MW1-30, MW1-50, MW1-70, MW2-30, MW2-50, MW2-70, MW3-30, MW3-50, MW3-70, MW4-30, MW4-50, and MW4-70) in accordance with the FDEP ground water monitoring standard operating procedures (SOPs). Monitoring well construction details are outlined in Table 1. Groundwater sampling logs and equipment calibration logs are provided in Appendix A. The samples were submitted to a NELAC-certified analytical laboratory for the analysis of the following:

- Salinity by Conductivity via SM 2520B Modified;
- Chloride via EPA Method 300.0;
- Biologic Oxygen Demand (BOD) via SM 5210B;
- Nitrate-Nitrite (as nitrogen) and Nitrite (as nitrogen) via EPA Method 353.2;
- Ammonia via EPA Method 350.1;
- Fecal Coliform via SM 9222D;
- Total Suspended Solids via SM 2540D;

3.0 GROUNDWATER ANALYTICAL RESULTS

Based on laboratory analytical results, the tested parameters did not exceed the Groundwater Cleanup Target Levels (GCTLs) promulgated in Chapter 24-44 of the Miami-Dade County Code, with the exception of a Chloride exceedance in MW4-70 and Nitrite exceedance in MW3-30 for the Primary Drinking Water Standards. A summary of groundwater analytical results is provided in Table 2. The laboratory reports and chain-of-custody records are provided in Appendix B. A summary of exceedances is provided below.

3.1.1 Chloride

Chloride was detected above the GCTL of 250 mg/L in MW4-70 at a concentration of 14,000 mg/L, which is an increase over the concentrations detected during the previous sampling events in July and December 2018. This concentration also exceeds the secondary drinking water standard concentration of 250 mg/L. A chloride concentration of 14,000 mg/L places this well outside of the range of brackish water, which is characterized by chloride concentrations between 250 mg/L and 1,000 mg/L, and within the range of salty water, which is characterized by chloride concentrations greater than 1,000 mg/L. During the last sampling event (December 2018) chloride concentrations monitoring well MW4-70 were 12,800 mg/L. Chloride concentrations in monitoring well MW4-30 and MW4-50 were 193 mg/l and 186 mg/L higher than historic concentrations but below the GCTL and range of brackish water or salt water.

Chloride concentrations across all wells sampled in April 2021 are similar from the previous sampling events with the exception of MW2-30, MW2-50, and MW3-70 where a slightly lower concentration was detected and MW4-30 and MW4-70 where an increased concentration was detected.

3.1.2 Nitrite

Nitrite was detected above the Primary Drinking Water Standards of 1.0 mg/L in MW3-30 as a concentration of 1.2 mg/L, which is above the concentration detected during the previous sampling events in July and December 2018. Nitrite concentrations across all wells sampled in April 2021 are similar from previous sampling events..

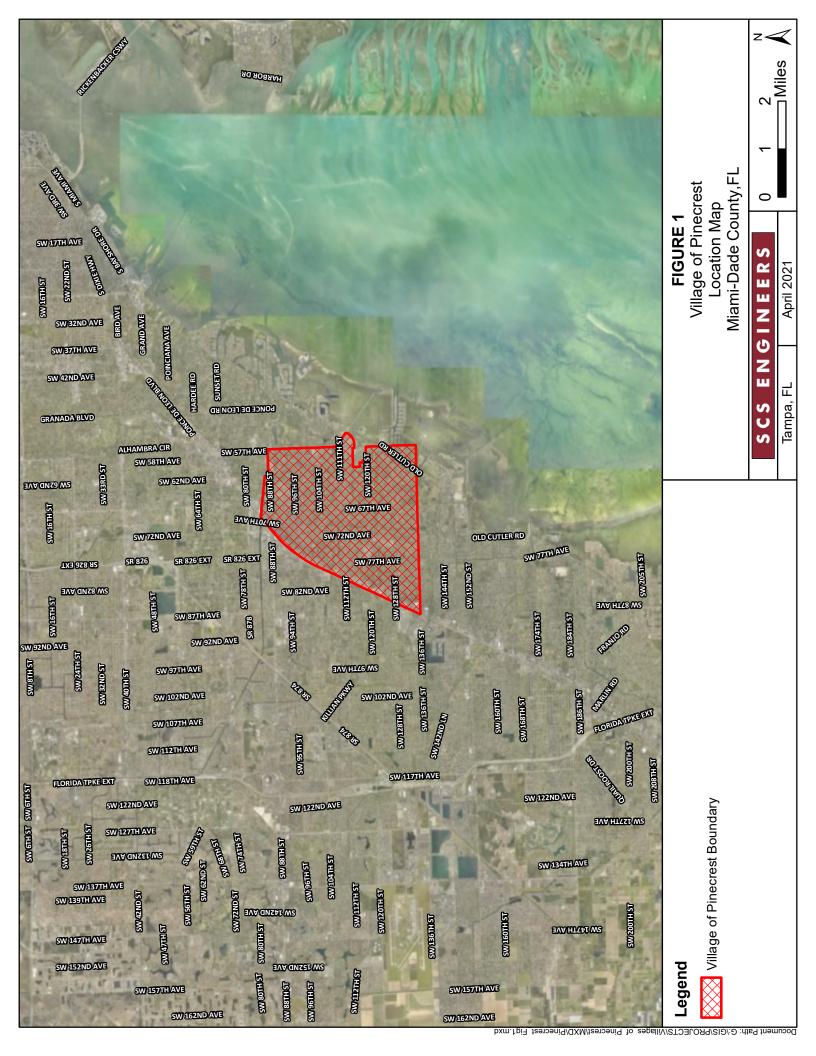
4.0 FINDINGS AND RECOMMENDATIONS

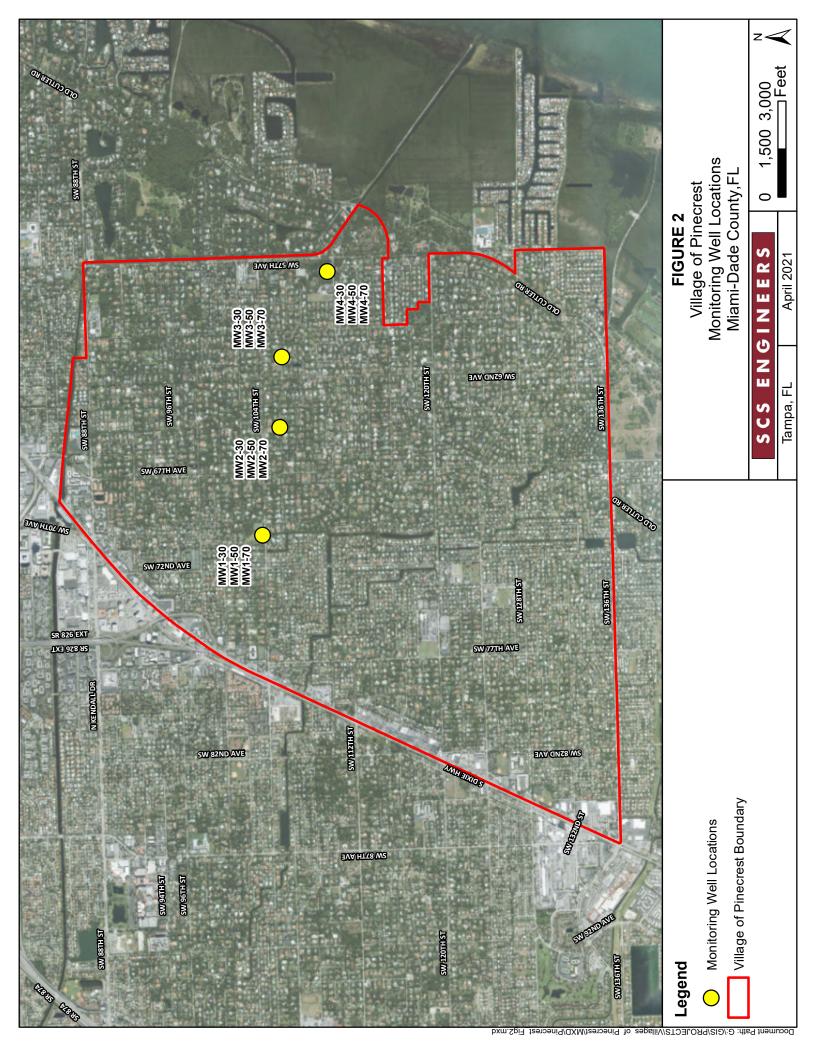
In April 2021, SCS sampled the monitoring well clusters and found exceedances of chloride in MW4-70 and of Nitrite in MW3-30. Based on chloride data collected this sampling event and data collected from United States Geologic Survey (USGS) wells located within the Village, saltwater intrusion is occurring in the southeast portion of the Village.

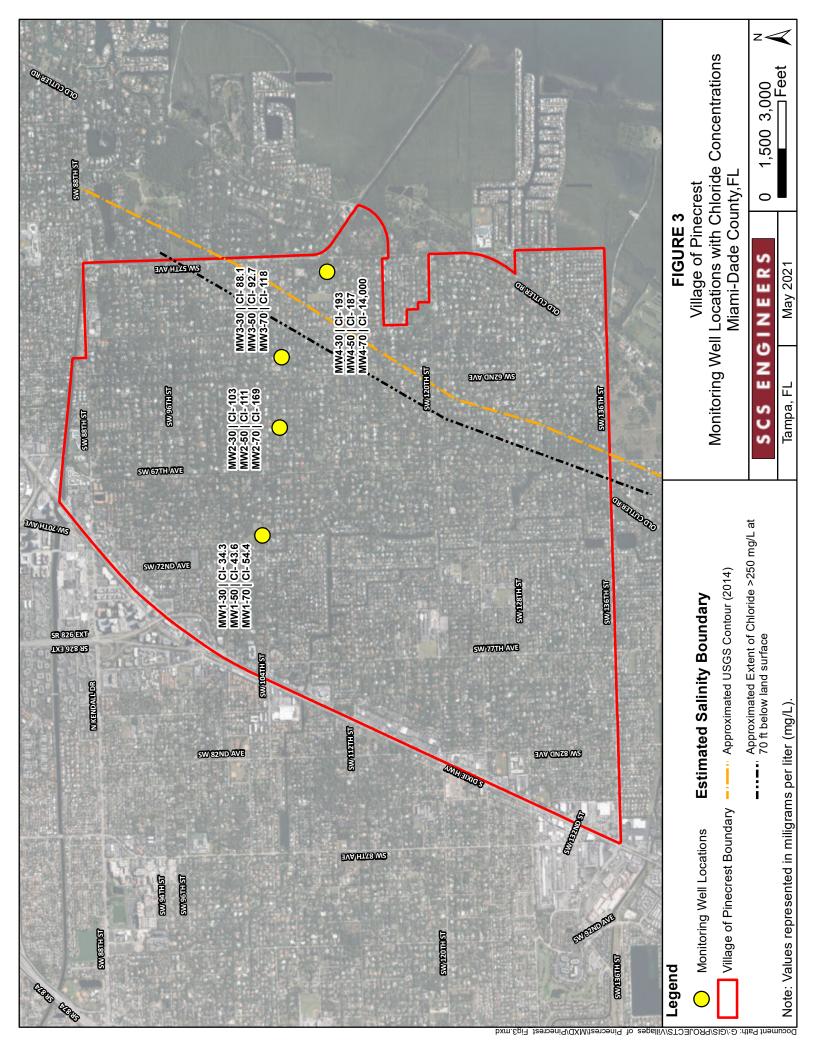
The MW4 well cluster is the most southeast of the well clusters installed and falls within this area of saltwater intrusion, shown in Figure 3. Compared to the results of previous groundwater monitoring events chloride concentrations in the MW-4 wells have increased, indicating further saltwater intrusion to the west.

Current and historic groundwater data indicate an increase of chloride in MW4 cluster at all intervals, with saltwater detected at the deepest interval 70 ft BLS. The shallow intervals in MW4 cluster indicate an upward trend towards what would be characterized as brackish water. Continued groundwater monitoring of the same constituents across the four well clusters will allow the village to monitor the advancement of saltwater inland and upwards through the water column.

Figures







Tables

Table 1: MONITORING WELL CONSTRUCTION DETAILS and GROUNDWATER ELEVATION SUMMARY Village of Pinecrest

WELL NUMBER	MW1-30	MW1-50	MW1-70	MW2-30	MW2-50	MW2-70
DIAMETER. (in.)	1	1	1	1	1	1
WELL DEPTH (ft)	30	50	70	30	50	70
SCREEN INTERVAL (ft)	25 to 30	45 to 50	65-70	25 to 30	45 to 50	65-70
TOC ELEVATION (ft)	3.45	3.47	3.47	5.98	5.98	5.99

DATE	ELEV	DTW										
4/13/2021	0.31	3.14	0.33	3.14	0.36	3.11	0.18	5.80	0.16	5.82	0.17	5.82

WELL NUMBER	MW3-30	MW3-50	MW3-70	MW4-30	MW4-50	MW4-70
DIAMETER. (in.)	1	1	1	1	1	1
WELL DEPTH (ft)	30	50	70	30	50	70
SCREEN INTERVAL (ft)	25 to 30	45 to 50	65-70	25 to 30	45 to 50	65-70
TOC ELEVATION (ft)	7.42	7.42	7.44	11.14	11.14	11.11

DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
4/13/2021	-0.09	7.51	-0.11	7.53	-0.08	7.52	1.92	9.22	1.77	9.37	1.16	9.95

Notes

- 1. ft = Feet
- 2. TOC = Top of casing
- 3. DTW = Depth to water
- 4. ELEV = Elevation

Table 2 - Groundwater Analytical Summary Village of Pinecrest

Sample		BOD, 5 day	Chloride	Fecal Coliforms	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Salinity	Total Suspended Solids
Location	Date	(mg/L)	(mg/L)	(CFU/100 mL)	(mg/L)	(mg/L)	(mg/L)	(ppt)	(mg/L)
	07/26/2018	2.0 U	34	1.0 U	0.65	0.025 U	0.025 U	7.0 U	5.0 U
MW1-30	12/27/2018	2.0 U	38.3	1.0 U	0.41	0.025 U	0.025 U	7.0 U	5.0 U
	4/13/2021	2.0 U	34.3	1.0 U	0.78	0.025 U	0.025 U	7.0 U	5.0 U
	07/26/2018	2.0 U	43.7	1.0 U	0.14	0.051	0.025 U	7.0 U	5.0 U
MW 1-50	12/27/2018	2.0 U	44.7	1.0 U	0.035 U	0.032 I	0.025 U	7.0 U	5.0 U
	4/13/2021	2.0 U	43.6	NA	0.17	0.41	0.025 U	7.0 U	5.0 U
	07/26/2018	2.0 U	54.6	1.0 U	0.29	0.025 U	0.025 U	7.0 U	5.0 U
MW 1-70	12/27/2018	2.0 U	60.4	1.0 U	0.25	0.025 U	0.025 U	7.0 U	5.0 U
	4/13/2021	2.0 U	54.4	1.0 U	0.38	0.025 I	0.038 I	7.0 U	5.0 U
	07/18/2018	21.2	112	1.0 U	0.041 I	0.035 I	0.025 U	7.0 U	8.5
MW2-30	12/27/2018	2.0 U	117	1.0 U	0.035 U	0.025 U	0.025 U	7.0 U	8.9
	4/14/2021	2.0 U	103	NA	0.035 U	0.029 I	0.025 U	7.0 U	5.4
	07/18/2018	14.6	130	1.0 U	0.035 U	0.025 U	0.025 U	7.0 U	5.0 U
MW2-50	12/27/2018	2.0 U	128	1.0 U	0.035 U	0.025 U	0.025 U	7.0 U	5.0 U
	4/14/2021	2.0 U	111	1.0 U	0.035 U	0.79	0.025 U	7.0 U	5.0 U
	07/26/2018	4.8	169	1.0 U	0.035 U	0.025 U	0.025 U	7.0 U	5.0 U
MW2-70	12/27/2018	2.0 U	188	1.0 U	0.035 U	0.025 U	0.025 U	7.0 U	5.0 U
	4/14/2021	2.0 U	169	1.0 U	0.035 U	0.025 U	0.025 U	7.0 U	5.0 U
	07/18/2018	2.0 U	42.5	1.0 U	1.2	2.2	0.17	7.0 U	6.0
MW3-30	12/28/2018	2.4	93.2	1.0 U	0.5	1.3	0.96	7.0 U	10.0
	4/14/2021	2.0 U	88.1	NA	0.2	2.0	1.2	7.0 U	5.0 U
	07/18/2018	20.3	97.1	1.0 U	0.035 U	0.53	0.059	7.0 U	5.0 U
MW3-50	12/28/2018	2.0 U	99.2	1.0 U	0.035 U	0.85	0.025 U	7.0 U	5.0 U
	4/14/2021	2.0 U	92.7	1.0 U	0.035 U	2.5	0.025 U	7.0 U	5.0 U
	07/18/2018	2.0 U	129	1.0 U	0.047 I	0.49	0.032 I	7.0 U	5.0 U
MW3-70	12/28/2018	2.0 U	131	1.0 U	0.035 U	1.2	0.042 I	7.0 U	5.0 U
	4/14/2021	2.0 U	118	1.0 U	0.035 U	0.96	0.035 I	7.0 U	5.0 U
	07/17/2018	9.2	146	1.0 U	0.21	0.69	0.062	7.0 U	27
MW4-30	12/26/2018	2.1	160	1.0 U	0.12	0.54	0.083	7.0 U	176
	4/13/2021	2.0 U	193	1.0 U	0.035 U	0.76	0.078	7.0 U	5.0 U
	07/17/2018	14.1	154	95.0	0.035 U	0.23	0.025 U	780	5.0 U
MW4-50	12/26/2018	2.0 U	176	1.0 U	0.035 U	0.21	0.026 I	7.0 U	5.0 U
	4/13/2021	2.0 U	187	1.0 U	0.035 U	0.80	0.07	7.0 U	5.0 U
	07/18/2018	2.5 U	12800	1.0 U	0.12	0.025 U	0.025 U	17.8	41
MW4-70	12/26/2018	2.0 U	12800	1.0 U	0.16	0.025 U	0.025 U	22.8	36
	4/13/2021	2.0 U	14000	1.0 U	0.15	0.030 I	0.025 U	23.4	26
Groundwater Cleanup	Target Level	NA	250	NA	2.8	NA	NA	NA	NA
Primary Drinking Wa	Primary Drinking Water Standard		NA	4	NA	10	1	NA	NA
Secondary Drinking W	Primary Drinking Water Standard econdary Drinking Water Standard		250	NA	NA	NA	NA	NA	NA

Notes:

mg/L = miligrams per liter

CFU/100mL = Colony Forming Units per 100 milliliters

ppt = Parts per Thousand

U = Analyte was not detected at the laboratory's method detection limit (MDL)

I = Estimated value. The reported value was detected between the laboratory MDL and the practical quantitation limit (PQL)

Groundwater Cleanup Target Level (GCTL) specified in Table I of Chapter 24-22, MDCC

Bolded values indicate an exceedance of the applicable GCTL , or Drinking Water Standard

Appendix A

Groundwater Sampling Logs and Calibration Forms

	VILL	AGE OF F	PINECRES	Γ		TE DCATION:			Pineci	rest, F	-L			
NO:	MV	V4-70		SAMPLE	ID:	MW4-7	0		D	ATE:		13 Apr-	2021	
				I	Р	URGING DA	TA		<u>.</u>					
DIAMET s):	1	(inches):			TH: 65 fe	SCREEN INTERVA	TO \ feet	TIC DEF			URGE PUR BAILEI	JMP TYPE R:		PP
	applicable)	PELL VOLUME	•		ATIC DEPTH	,		ACITY						
PMENT	VOLUME PURG	F: 1 FOLIIPME	= (NT VOL = PUM	feet –	TURING CAPA	feet) CITY X TUBIN	X IG I ENGTI	H) + FI	gallons/foot	= F		gallons		
	applicable)	L. I EQUII ME	INT VOL I ON	·								0.046		
PLIMP	OR TUBING		FINAL DUM	= 0 gallon	s+(0.00	DUDCING	ot X	90	DUDGING		allons =	AL VOLUME	gallons	
IN WEI		67.5		WELL (feet):	67.5	INITIATED	AT:	9:3	2 ENDED AT:	9:	59 PUR	GED (gallons)		1.1
ME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standar units)	d TEMP. (°C)	CON (circle µmhos or(µS	units) s/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation		RBIDITY ITUs)	ORP (mV)	COLOR (describe)	OD0 (desc
:55	1.00	1.00	0.04	9.95	6.67	26.90	398	04	2.52/31.8%	(0.53		Clear	No C
:57	0.08	1.08	0.04	9.95	6.68	26.90	398	60	2.52/31.8%	0.57			Clear	No C
:59	0.08	1.16	0.04	9.95	6.68	26.90	398	40	2.52/31.8%	(0.53		Clear	No C
														1
										1				
04040	TV (0 D	- () 0.75%	0.00 4" 0.4	1 1 25"	20 20 0.1	0 00 007		=" 4	00 00 4.47	10"	5.00			
	E DIA. CAPACIT					6; 3" = 0.37; 4 26; 5/16" = 0.004			.02; 6 " = 1.47; 1/2" = 0.010;	12" = 5/8" =	5.88 = 0.016			
NG EQL	JIPMENT CODES	S: B = Baile	er; BP = Blac	lder Pump;	ESP = Electric	Submersible Pump); PP =	= Perista	altic Pump; O =	Other	(Specify)			
						AMPLING D	ATA							
ED BY (PRINT) / AFFILIA			SAMPLER(S) S	IGNATURE(S):			SAMPLING INIT		s	AMPLING EN		
OR TUB	David Tay			TUBING			l	FIELD-F	10:	00 N)	FILTI	ER SIZE:	10:15 µm	
IN WEL	L (feet):	67.5		MATERIAL COI	JL.	PE + S			Equipment Type:	<u> </u>	<u> </u>			
	TAMINATION:	PUMP Y		TUBING		placed)			DUPLICATE:	Y	\bigcup_{N}			
	IPLE CONTAINE			DDE0ED) (A)	1	PRESERVATION			INTENDE ANALYSIS AN		SAMP	LING EQUIPN	1FNT I	AMPLE P
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVA USED	IIVE I IC	OTAL VOL ADDED FIELD (mL)	IN I	FINAL pH	METHOD			CODE		nL per mii
/4-70	1	PE	1000					6.68	TSS			APP		~200
/4-70	1	PE	1000					6.68	BOD			APP		~200
/4-70	1	PE 	125					6.68	Salinity			APP		~200
/4-70	1	PE	125		15.1			6.68	CI, NO2, N			APP		~200
/4-70	1	PE	125	Sodium Thios					Fecal Colifo			APP		~200
/4-70	1	PE	250	H2SO4	•			<2	Ammonia	1		APP		~200
		<u> </u>		L	<u>L</u>								·	
RIAL CO	DES: AG =	Amber Glass:	CG = Clear GI	ass: PF = Po	lvethylene:	PP = Polypropylene	e: S = Sil	icone:	T = Teflon: O =	Other (Specify)			
	UIPMENT CODE	•			• •	Bladder Pump;			ubmersible Pump;	Out-101 (opoony)			
			RF	PP = Reverse F		Pump; SM = Sti	aw Method	d (Tubing	g Gravity Drain);	O = C	other (Spe	ecify)		
_	. The above do . STABILIZATION			•		62-160, F.A.C. CONSECUTIVE R	EADINGS	(SEE F	S 2212, SECTION	3)				

	VILL	AGE OF F	PINECREST	Γ	LOCA	ATION:			Pinecre	est, FL			
NO:	MV	V4-50		SAMPLE I	D:	MW4-50)		DA	TE:	13 Apı	-2021	
				ı	PU	RGING DA	TA		· ·				
DIAMET	ER	TUBING	DIAMETER			REEN INTERVA	L ST	TATIC DEF			GE PUMP TYPE		
s):	1	(inches):	3/	16 DEP	TH: 45 feet	to 50	feet TC) WATER	(feet): 9.37	OR B	AILER:		PP
L VOLU	ME PURGE: 1 W	/ELL VOLUME				WATER) X W		PACITY	0.0.				
	applicable)												
D. 15.17	VOLUME DUDO	- 4 - COLUBRATE	`	feet –		feet)	X		gallons/foot	=	gallons		
	VOLUME PURG applicable)	E: 1 EQUIPME	NT VOL. = PUM	P VOLUME + (I	UBING CAPACI	IY X TUBIN	G LENG	61H) + FL0	OW CELL VOLUME				
			:	= 0 gallon:	s+(0.0014	gallons/foo	t X	70	feet) + 0.0)9 gallon	s = 0.188	3 gallons	
	OR TUBING	47.5		P OR TUBING	47.5	PURGING		10.20	PURGING ENDED AT:	10:32	TOTAL VOLUME PURGED (gallon:	۸۰.	1.1
IN WEL	.L (feet):	17.0	DEPTH IN V	VELL (feet):	17.0	INITIATED A	A1:	10.2		10.02	FUNGED (gallons	s). T	
	VOLUME	CUMUL.	PURGE	DEPTH TO				OND.	DISSOLVED OXYGEN				
ME	PURGED	VOLUME PURGED	RATE	WATER	pH (standard units)	TEMP. (°C)		e units) nos/cm	(circle units)	TURBID (NTUs		COLOR (describe	_
	(gallons)	(gallons)	(gpm)	(feet)	driito)			uS/cm	(mg/L)or % saturation	(11100	(,	(docob)	(desc
):28	0.75	0.75	0.09	9.37	6.93	26.30	1	253	1.60/19.9%	0.47	,	Clear	No C
):30	0.18	0.93	0.09	9.37	6.93	26.20		253	1.59/19.8%	0.43		Clear	No C
):32	0.18	1.11	0.09	9.37	6.93	26.20		253	1.59/19.8%	0.35		Clear	No C
7.52	0.10	1.11	0.03	9.51	0.93	20.20	''	200	1.59/19.070	0.55	,	Cicai	NO C
													-
	•				1/4" = 0.0026;				.02; 6" = 1.47; 1/2" = 0.010;	12 " = 5.88 5/8" = 0.0			
	IPMENT CODES	,				ubmersible Pump	; PF	P = Perista	ltic Pump; O =	Other (Spe	ecify)		
					SAN	/IPLING D/	ATA						
ED BY (I	PRINT) / AFFILIA	ATION:		SAMPLER(S) S					SAMPLING INITIA	ATED	SAMPLING E	NDED AT:	
	David Tay	/lor/SCS							10:3	3		10:48	
OR TUBI		47.5		TUBING MATERIAL COL	_{DE} . HDPE	+ S			ILTERED: Y (N	\supset	FILTER SIZE:	μm	
IN WEL	L (feet): FAMINATION:	PUMP Y	\sim	TUBING	Y (N (repla			Filtration	Equipment Type: DUPLICATE:	Y	(N)		
			$\overline{}$	TODINO	_				DOI LIGATE.	<u> </u>			
	PLE CONTAINE	1			1	RESERVATION			INTENDED ANALYSIS AND		AMPLING EQUIP	PMENT	SAMPLE P FLOW RA
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVAT USED	TIVE TOTA	AL VOL ADDED I FIELD (mL)	IN	FINAL pH	METHOD	//OIX	CODE		(mL per mir
/4-50	1	PE	1000					6.93	TSS		APP		~200
/4-50	1	PE	1000					6.93	BOD		APP	+	~200
/4-50	1	PE	125					6.93	Salinity		APP		~200
/4-50	1	PE	125					6.93	CI, NO2,NO	3	APP		~200
/4-50	1	PE	125	Sodium Thiosu	ılfate				Fecal Colifor		APP		~200
/4-50	1	PE	250	H2SO4				<2	Ammonia	-	APP		~200
	'			712004			+				7 11 1	+	
							+			+		+	
				<u> </u>	<u> </u>								
RIAL CO	DES: AG =	Amber Glass;	CG = Clear Gla	ass; PE = Pol	yethylene; PP	• = Polypropylene	e; S = S	Silicone;	T = Teflon; O = 0	Other (Spe	cify)		
ING EQ	UIPMENT CODE	S: APP = A			ailer; BP = BI				bmersible Pump;	0 = 0"	r (Cnosifi)		
S : 1	The above do	not constitute			low Peristaltic Pu	mp; SM = Str.	aw Meth	ioa (Tubing	g Gravity Drain);	U = Otner	r (Specify)		
J				•			- A DIA: 0	0.00	0.0040 05051011				

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

	VILL	AGE OF F	PINECREST		SITE LOC <i>i</i>	ATION:		Pinecr	est, FL			
IO:	M\	N4-30		SAMPLE I	D:	MW4-30)	DA	ATE:	13 Apr-	2021	
				I	PU	RGING DA	TA			<u>.</u>		
DIAMET :	1	(inches):	DIAMETER 3/1		ГН: 25 feet		TO WATER		PURGE F OR BAILI	PUMP TYPE ER:		PP
	ME PURGE: 1 W f applicable)	VELL VOLUME	`	DEPTH - STA		WATER) X W	ELL CAPACITY X	gallons/foot	=	gallons		
	VOLUME PURG applicable)	E: 1 EQUIPME					•	OW CELL VOLUME		0.40		
	OR TUBING LL (feet):	27.5		O gallons OR TUBING ELL (feet):	s+(0.0014 27.5	PURGING INITIATED		feet) + 0. PURGING ENDED AT:	09 gallons 11:09 TO	= 0.16 TAL VOLUME RGED (gallons)		1.1
ИΕ	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or(uS/cm)	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)		COLOR (describe)	ODC (descr
:05	0.75	0.75	0.09	9.22	6.86	26.60	1258	0.61/7.7%	3.67		Clear	No O
:07	0.18	0.93	0.09	9.22	6.86	26.60	1258	0.59/7.4%	2.67		Clear	No O
:09	0.18	1.11	0.09	9.22	6.86	26.60	1258	0.57/7.2%	2.30		Clear	No O
			+									+
INSID	EITY (Gallons Per DE DIA. CAPACIT UIPMENT CODES	Y (Gal./Ft.): 1/	8" = 0.0006; 3	116" = 0.0014;	1/4" = 0.0026;		; 3/8" = 0.006	•	12" = 5.88 5/8" = 0.016 Other (Specify	<i>'</i>)		
					SAN	IPLING D	ATA					
ED BY	(PRINT) / AFFILIA		S	SAMPLER(S) S	IGNATURE(S):			SAMPLING INITI		SAMPLING EN		
OR TUE	David Tay SING LL (feet):	ylor/SCS 27.5	7	TUBING MATERIAL COD	_{)F} . HDPE	+ S		11:1 FILTERED: Y N n Equipment Type:		TER SIZE:	11:25 µm	
	ITAMINATION:	PUMP Y		TUBING		ced)	Titado	DUPLICATE:	Y (1	1)		
SAM LE ID	MPLE CONTAINE	R SPECIFICAT	TION VOLUME	PRESERVA1	T	RESERVATION AL VOL ADDED	N FINAL	INTENDED ANALYSIS ANI	SAM	PLING EQUIPN CODE	MENT	SAMPLE PU
DE	# CONTAINERS	CODE	(mL)	USED		FIELD (mL)	pН	METHOD		CODE	(mL per min
4-30	1	PE	1000				6.86	TSS		APP		~200
4-30	1	PE	1000				6.86	BOD		APP		~200
4-30 4-30	1	PE PE	125 125				6.86	Salinity Cl, NO2,NC	13	APP APP		~200
4-30	1	PE	125	Sodium Thiosu	Ifate			Fecal Colifor		APP		~200
4-30	1	PE	250	H2SO4			<2	Ammonia		APP		~200
								+				
	· 	· · · · · · · · · · · · · · · · · · ·			'		.		•			
IAL CO	DDES: AG =		After Peristaltic Pu	ımp; B = Ba	ailer; BP = BI	adder Pump;	ESP = Electric S	T = Teflon; O = ubmersible Pump;				
S:	1. The above do	not constitute				•	aw Method (Tubir	ig Gravity Drain);	O = Other (Sp	Decity)		

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

	VILL	AGE OF F	PINECRES	Γ	LOCA	ATION:		Pinecre	est, FL			
NO:	MV	V1-70		SAMPLE I	D:	MW1-70		DA	TE:	13 Apr-	2021	
					PUI	RGING DA	TA	L				
DIAMET	ER		DIAMETER			REEN INTERVAL	L STATIC DEI			PUMP TYPE		
s):	1	(inches):	3/	16 DEP	TH: 65 feet	to 70 t	TO WATER	(feet): 3.47	OR BAI	LER:		PP
L VOLUI	ME PURGE: 1 W	/ELL VOLUME				WATER) X WE						
fill out if	applicable)											
DMENT	VOLUME DUDO	F. 4 FOLUDIAE	= (feet –		feet)	X	gallons/foot OW CELL VOLUME	=	gallons		
	applicable)	E: 1 EQUIPME	:NT VOL. = PUN	IP VOLUME + (I	UBING CAPACI	IY X TUBING	JLENGIH) + FL	OW CELL VOLUME				
				= 0 gallons	s+(0.0014	gallons/foot	x 90	feet) + 0.0)9 gallons	= 0.216	gallons	
	OR TUBING	67.5		P OR TUBING	67.5	PURGING	т. 11:3	PURGING ENDED AT:	11:44 p	OTAL VOLUME URGED (gallons)		1.0
1 IIN VVEI	L (feet):		DEPTHIN	WELL (feet):	00	INITIATED A	.1:	DISSOLVED		T (gallons)	· 	T
	VOLUME	CUMUL.	PURGE	DEPTH TO	11//		COND.	OXYGEN	TUDDIDIT	000	001.00	0.5
ME	PURGED	VOLUME PURGED	RATE	WATER	pH (standard units)	TEMP. (°C)	(circle units) µmh <u>os/c</u> m	(circle units)	TURBIDIT (NTUs)		COLOR (describe)	OD((desc
	(gallons)	(gallons)	(gpm)	(feet)			oruS/cm	(mg/L)or % saturation	(******)	(,	(======================================	(4000
:40	0.75	0.75	0.08	3.47	6.86	28.50	784	1.10/14.2%	0.95		Clear	No C
:42	0.16	0.91	0.08	3.47	6.86	28.50	784	1.10/14.2%	0.90		Clear	No C
:44	0.16	1.07	0.08	3.47	6.86	28.50	784	1.10/14.2%	0.82		Clear	No C
	0.10	1.07	0.00	0.41	0.00	20.00	704	1.10/14.270	0.02		Olcai	INO C
											 	
											 	
											 	
											 	
											<u> </u>	
CARAC	TV (Callana Dan	F4\: 0.75" -	0.00: 4" - 0.4	24: 4.05" = 0.0	00: 011 - 0.40:	0!! - 0.07: 4!	1 – 0 CF: F !! – 4	00. 60 - 4.47.	40" - 5.00		<u> </u>	
	TY (Gallons Per E DIA. CAPACIT	•					3/8" = 0.006;	1.02; 6" = 1.47; 1/2" = 0.010;	5/8" = 0.010	6		
NG EQL	IPMENT CODES	B = Baile	er; BP = Blad	lder Pump; E	ESP = Electric Su	ıbmersible Pump;	PP = Perista	altic Pump; O =	Other (Spec	ify)		
					SAN	IPLING DA	ΛTA					
ED BY (PRINT) / AFFILIA	ATION:		SAMPLER(S) S				SAMPLING INITIA	ATED	SAMPLING EN	IDED AT:	
	David Tay	ylor/SCS						11 <u>:4</u>	5		11:45	
OR TUB		67.5		TUBING MATERIAL COD	ne. HDPE	+ S		ILTERED: Y N) FI	LTER SIZE:	μm	
IN WEL	TAMINATION:	PUMP Y	(N)	TUBING	N (replace		Filtration	DUPLICATE:	Y) N		
				I		RESERVATION			$\overline{}$			
	PLE CONTAINE	1		DDECED\/A3	1		N FINIAL	INTENDED ANALYSIS AND	OR SA	MPLING EQUIP	MENT I	AMPLE P FLOW RA
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVAT USED	IIVE TOTA	AL VOL ADDED II FIELD (mL)	N FINAL pH	METHOD	,,,,,,	CODE		nL per mii
/1-70	1	PE	1000				6.86	TSS		APP		~200
/1-70	1	PE	1000				6.86	BOD		APP		~200
/1-70	1	PE	125				6.86	Salinity		APP		~200
/1-70	1	PE	125				6.86	CI,NO2,NO3	3	APP		~200
/1-70	1	PE	125	Sodium Thiosu	ılfate			Fecal Coliforn	n	APP		~200
/1-70	1	PE	250	H2SO4			<2	Ammonia		APP		~200
				<u>I</u>	<u> </u>		<u> </u>	1				
RIAL CO	DES: AG =	Amber Glass;	CG = Clear Gl	ass; PE = Pol	yethylene; PP	= Polypropylene;	S = Silicone;	T = Teflon; O = C	other (Specif	fy)		
ING EQ	UIPMENT CODE	S: APP = A		1 /	,			ubmersible Pump;	0 = Other (Specify		
S : 1	. The above do	not constitute			by Chapter 62-	mp; SM = Stra	w wealou (Tubin	g Gravity Dialit);	O = Other (opeony)		
_				•	• .	•	ADINGS (SFF F	S 2212. SECTION 3)			

	VILL	AGE OF F	PINECRES	Γ	LOCA	ATION:		Pinecre	st, FL			
NO:	MV	V1-50		SAMPLE I	D:	MW1-50		DAT	E:	13 Apr-	2021	
					PUI	RGING DA	ΤΑ					
DIAMET	ER		DIAMETER			REEN INTERVAL	STATIC DEF			PUMP TYPE		
s):	1	(inches):	3/	16 DEP	гн: 45 feet	to 50 f	TO WATER	(feet): 3.47	OR BAIL	.ER:		PP
L VOLUI	ME PURGE: 1 W	/ELL VOLUME				WATER) X WE			•			
fill out if	applicable)											
DMENT	VOLUME DUDO	E. 4 EOUIDME	= (feet –		feet)	X	gallons/foot	=	gallons		
	applicable)	E: 1 EQUIPME	ENT VOL. = PUN	IP VOLUME + (I	UBING CAPACI	IY X TUBING	LENGIH) + FLO	OW CELL VOLUME				
				= 0 gallons	s + (0.0014	gallons/foot	× 70	feet) + 0.0	9 gallons	= 0.188	gallons	
	OR TUBING	47.5		P OR TUBING	47.5	PURGING	12:0 <u></u>	PURGING ENDED AT:	12:18 TO	TAL VOLUME IRGED (gallons)		1.0
1 IIN VVEI	_L (feet):		DEPTHIN	WELL (feet):		INITIATED A	1:	DISSOLVED		(galloris)		1
	VOLUME	CUMUL.	PURGE	DEPTH TO	11/1		COND.	OXYGEN	TUDDUDIT	, ODD	001.00	0.0
ME	PURGED	VOLUME PURGED	RATE	WATER	pH (standard units)	TEMP. (°C)	(circle units)	(circle units)	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	OD((desc
	(gallons)	(gallons)	(gpm)	(feet)	,		or(uS/cm	(mg/L)or % saturation	(- /	,	,	(4000
2:14	0.75	0.75	0.08	3.47	6.91	29.10	689	0.34/4.4%	2.49		Clear	No C
2:16	0.16	0.91	0.08	3.47	6.91	29.10	689	0.34/4.4%	2.04		Clear	No C
2:18	0.16	1.07	0.08	3.47	6.91	29.10	689	0.34/4.4%	1.91		Clear	No C
10	0.10	1.07	0.00	0.41	0.01	25.10	000	0.04/4.470	1.51		Olcai	NO C
CARAC	TV (Callana Dan	F+\: 0.75" -	0.00: 4" - 0.4	24: 4.05" = 0.0	00 - 040	0" - 0.07: 4"	- 0.05: F !! - 4	00: 6!! - 4.47:	10" - 5.00			
	E DIA. CAPACIT						3/8" = 0.006;	.02; 6" = 1.47; 1 1/2" = 0.010;	12" = 5.88 5/8" = 0.016			
NG EQL	IIPMENT CODES	3: B = Baile	er; BP = Blad	lder Pump; E	SP = Electric Su	ıbmersible Pump;	PP = Perista	Itic Pump; O = C	Other (Specif	y)		
					SAN	IPLING DA	TA					
ED BY (PRINT) / AFFILIA	TION:		SAMPLER(S) S				SAMPLING INITIA	TED	SAMPLING EN	DED AT:	
	David Tay	/lor/SCS						12:19)		12:34	
OR TUB		47.5		TUBING MATERIAL COD	ne. HDPE	+ S		ILTERED: Y N) FIL	TER SIZE:	μm	
IN WEL	TAMINATION:	PUMP Y		TUBING	Y N (replac		Filtration	Equipment Type: DUPLICATE:	Υ (N)		
			TION	I		RESERVATION					ı	
	IPLE CONTAINE			DDECED\/AI	Ī		I FINIAL	INTENDED ANALYSIS AND/	OR SAM	IPLING EQUIPN	AENT I	AMPLE P FLOW RA
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVAT USED	IVE TOTA	AL VOL ADDED IN FIELD (mL)	N FINAL pH	METHOD		CODE		nL per mii
/1-50	1	PE	1000				6.91	TSS		APP		~200
/1-50	1	PE	1000				6.91	BOD		APP		~200
/1-50	1	PE	125				6.91	Salinity		APP		~200
/1-50	1	PE	125				6.91	CI,NO2,NO3		APP		~200
/1-50	1	PE	125	Sodium Thiosu	lfate			Fecal Coliform	1	APP		~200
/1-50	1	PE	250	H2SO4			<2	Ammonia		APP		~200
		<u> </u>	<u> </u>	1	<u>!</u>			•	1		<u> </u>	
RIAL CO			CG = Clear Gl	<u> </u>	-	= Polypropylene;	•	-	ther (Specify	<u>')</u>		
ING EQ	UIPMENT CODE	S: APP = A		1 /	,	adder Pump; I mp; SM = Stra	ESP = Electric Su	1 /	0 = Other (S	Specify)		
S : 1	. The above do	not constitute			by Chapter 62-	•	Monioa (Tubilit	, Stavity Diality,	<u> </u>	, p-ony)		
_				•	•	•	ADINGS (SEE ES	S 2212. SECTION 3)				

:	VILL	AGE OF P	PINECREST			LOCA	ATION:			Р	inecre	est, F	L				
NO:	MV	W1-30		SAMPLE	E ID:	1	MW1-30)			DA	TE:		13 Apr-	-2021		
				I		PUI	RGING DA	TA									
DIAMET	ER		DIAMETER		V	VELL SC	REEN INTERVA		TATIC DEF					JMP TYPE			
s):	1	(inches):	3/	16 DE	ртн: 2	5 feet	to 30	feet T	O WATER	(feet):	.45	0	R BAILE	R:		PP	
LL VOLUI	ME PURGE: 1 W	/ELL VOLUME							APACITY								
fill out if	applicable)																
			•	feet –			eet)	X			s/foot	=		gallons			
	VOLUME PURG applicable)	E: 1 EQUIPME	NT VOL. = PUM	P VOLUME +	(TUBING	CAPACII	TY X TUBING	G LEN	GTH) + FL	OW CELL V	OLUME	=					
	,		=	= 0 gallo	ons + (0.0014	gallons/foot	t X	50	feet) +	0.	09 ga	allons :	= 0.16	gallons		
	OR TUBING	27.5		P OR TUBING	,	27.5	PURGING		12:4	PURGIN	G	12:1	TOT	AL VOLUME			1.1
H IN WEI	LL (feet):	21.5	DEPTH IN V	VELL (feet):		27.5	INITIATED A	AT:	12.4	0 ENDED		12.	PUR	GED (gallons)):		1.1
	VOLUME	CUMUL.	PURGE	DEPTH TO	$\langle $			С	OND.	DISSOL							
IME	PURGED	VOLUME	RATE	WATER	pH (st	andard	TEMP. (°C)		cle units)	(cjrcle u			BIDITY	ORP	COLO		ODC
	(gallons)	PURGED (gallons)	(gpm)	(feet)	un	its)			nhos/cm µS/cm	(mg/L)		(IN	TUs)	(mV)	(describ	e) (d	descr
	_				_				$\underline{}$	% satur							
2:48	0.75	0.75	0.09	3.45	_	91	28.40		706	0.57/7).46		Clear	_	10 O
2:50	0.18	0.93	0.09	3.45	_	91	28.40		706	0.56/7	.2%	().43		Clear	N	10 O
2:52	0.18	1.11	0.09	3.45	6.	91	28.40		706	0.57/7	.4%	C).40		Clear	N	10 O
																+	
CAPAC	ITY (Gallons Per	Foot): 0.75 " =	0.02; 1 " = 0.0	<u> </u>	0.06; 2 "	= 0.16;	3" = 0.37; 4	" = 0.6	5; 5 " = 1	.02; 6" =	1.47;	12" =	5.88		ļ		
IG INSID	E DIA. CAPACIT	Y (Gal./Ft.): 1/8	8" = 0.0006; 3	3/16" = 0.0014	; 1/4" =	0.0026;	5/16" = 0.004	; 3/	8" = 0.006;	1/2" = 0	.010;	5/8" =	0.016				
ING EQL	JIPMENT CODES	S: B = Baile	r; BP = Blad	der Pump;	ESP = E	lectric Su	ıbmersible Pump	; P	PP = Perista	altic Pump;	O =	Other	(Specify)				
						SAN	IPLING DA	ATA									
LED BY (PRINT) / AFFILIA			SAMPLER(S)	SIGNATU	RE(S):				SAMPLIN	IG INITI	ATED	S	AMPLING EN	IDED AT:		
	David Tay	ylor/SCS									12:5	_			13:08:00	PM	
OR TUB		27.5		TUBING MATERIAL CO	ODF.	HDPE	+ S			ILTERED: Equipment	_	リ	FILTI	ER SIZE:	μm		
	TAMINATION:	PUMP Y	(N)	TUBING		(replac	ced)		i ilitation	DUPLICA		Υ	(N)			
SAM	IPLE CONTAINE	R SPECIFICAT	$\overline{}$		SΔ	MDI E DE	RESERVATION									04451	
IPLE ID	I LL CONTAINL	MATERIAL	VOLUME	PRESERV			L VOL ADDED I	NI I	FINAL	ANALY:	ENDED		SAMP	LING EQUIP	MENT	SAMPL	
ODE	# CONTAINERS	CODE	(mL)	USE		1017	FIELD (mL)	1	pH		ETHOD			CODE		(mL pe	
N1-30	1	PE	1000						6.91	+	TSS			APP		~2	200
N1-30	1	PE	1000						6.91		BOD			APP	+		200
N1-30	1	PE	125						6.91	5	Salinity			APP		~2	200
N1-30	1	PE	125						6.91		102,NO	3		APP			200
N1-30	1	PE	125	Sodium Thic	sulfate			<u> </u>			l Colifor			APP	+		200
N1-30	1	PE	250	H2SC					<2		nmonia			APP			200
	'		200	11200	.				<u>, , , , , , , , , , , , , , , , , , , </u>	74				7 11 1	+		-00
															+		
	<u> </u>																
RIAL CO	DES: AG =	Amber Glass;	CG = Clear Gla	ass; PE = P	Polyethylen	e; PP	= Polypropylene	; S=	Silicone;	T = Teflon;	O = 0	Other (Specify)				
LING EQ	UIPMENT CODE	S: APP = A			,		1 /			ubmersible F							
-0.	The state of			PP = Reverse			17	aw Met	thod (Tubing	g Gravity Dr	ain);	O = O	ther (Spe	ecify)			
ES : 1	. The above do	not constitute	all of the infori	nation require	ed by Cha	pter 62-	16U, F.A.C.										

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

	VILL	AGE OF F	PINECRES	Γ		LOCA	TION:			Pinecre	est, FL				
NO:	MV	V3-70		SAMPLI	E ID:		MW3-70)		DA	TE:		14 Apr-2	2021	
				<u> </u>		PUF	RGING DA	TA		<u> </u>					
DIAMETI s):	1	(inches):	3/		ртн: 65	feet		feet	STATIC DEF TO WATER		_	GE PU BAILEF	JMP TYPE R:		PP
	ME PURGE: 1 W applicable)	ELL VOLUME	•		TATIC DEP		,	ELL (CAPACITY						
PMENT	VOLUME PURG	E: 1 EQUIPME	= (:NT VOL. = PUM	feet – IP VOLUME +	(TUBING C		eet) Y X TUBINO		X NGTH) + FLO	gallons/foot DW CELL VOLUME	=		gallons		
	applicable)								•				0.046		
PUMP	OR TUBING	67.5	FINAL PUM	= 0 gallo		.0014	gallons/foot PURGING	,		DUDCING		TOTA	= 0.216 AL VOLUME	gallons	4.0
IN WEL	L (feet):	67.5	DEPTH IN \	WELL (feet):	1	7.5	INITIATED A	T:	9:4:	ENDED AT:	9:59	PUR	GED (gallons):		1.0
ME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (star units		TEMP. (°C)	(ci µı	COND. rcle units) mhos/cm or(uS/cm)	DISSOLVED OXYGEN (circle units) mg/l/or % saturation	TURBIE (NTU		ORP (mV)	COLOR (describe)	OD((desc
:55	0.75	0.75	0.08	7.44	6.8	4	26.90		1026	1.29/16.3%	0.96	3		Clear	No C
:57	0.16	0.91	0.08	7.44	6.8		26.90		1026	1.29/16.2%	0.90			Clear	No C
:59	0.16	1.07	0.08	7.44	6.8	3	26.90		1027	1.29/16.2%	0.83	3		Clear	No C
CADACI	TV (Callana Dan	F+\: 0.75" -	0.00: 4" - 0.4	24: 4.05" = (2.00: 0" -	0.40:	0" - 0.07: 4	" - 0	CE: E 11 – 4	.02; 6" = 1.47;	40" - 5.0				
	E DIA. CAPACIT						5/16" = 0.004			1/2" = 0.010;	5/8" = 0.0				
NG EQU	IPMENT CODES	B = Baile	er; BP = Blac	lder Pump;	ESP = Ele		omersible Pump;		PP = Perista	Itic Pump; O =	Other (Sp	ecify)			
ED BY (I	PRINT) / AFFILIA	TION:		SAMPLER(S)	SIGNATUR		PLING DA	ХΤА	<u> </u>	SAMPLING INITI	ΔTED	S	AMPLING ENI	DED AT:	
	David Tay			or will be record	0.010.11011	L (O).				10:0			THE LINE LINE	10:15	
OR TUBI IN WEL		67.5		TUBING MATERIAL CO	ode. L	DPE +	- S			ILTERED: Y N		FILTE	ER SIZE:	μm	
	TAMINATION:	PUMP Y	(4)	TUBING		(replac	ed)		Filliation	DUPLICATE:	Υ	(N)		
SAM	IPLE CONTAINE	R SPECIFICAT	TION		SAM	PLE PR	ESERVATION			INTENDED	, ,			s	AMPLE P
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERV. USEI			L VOL ADDED I FIELD (mL)	N	FINAL pH	ANALYSIS AND METHOD	O/OR	SAMPI	LING EQUIPM CODE		FLOW RA
/3-70	1	PE	1000						6.83	TSS			APP	$-\!\!\!\!+\!$	~200
/3-70 /3-70	1	PE PE	1000 125						6.83	BOD Salinity			APP APP	-+	~200
/3-70	1	PE	125						6.83	CI,NO2,NO	3		APP	-+	~200
/3-70	1	PE	125	Sodium Thio	osulfate					Fecal Colifor			APP		~200
/3-70	1	PE	250	H2SC)4				<2	Ammonia			APP		~200
RIAL CO	DES: AG =	Amber Glass	CG = Clear Gl	ass; PE = F	Polyethylene	PP	= Polypropylene	; S	= Silicone:	T = Teflon; O = 0	Other (Spe	ecify)			
	UIPMENT CODE		After Peristaltic F	Pump; B =	Bailer; E	BP = Bla	idder Pump;	ESP	= Electric Su	bmersible Pump;					
S : 1	. The above do	not constitute					np; SM = Stra	aw Me	ethod (Tubing	g Gravity Drain);	O = Othe	r (Spe	ecify)		
-				-			-	= ۷ D I V	NGS (SEE ES	2 2212 SECTION 3	2)				

	VILL	AGE OF P	INECREST		LOCA	ATION:		Pinecre				
NO:	M\	N3-50		SAMPLE I	D:	MW3-50)	DA	TE:	14 Apr-	2021	
				<u> </u>	PUI	RGING DA	TA	L_		· ·		
DIAMET s):	ER 1	TUBING (inches):	DIAMETER 3/1	6 DEP		REEN INTERVA	AL STATIC DE TO WATER feet		PURGE PI OR BAILE	JMP TYPE R:		PP
	ME PURGE: 1 W applicable)	/ELL VOLUME	,	DEPTH - STA		WATER) X W	ELL CAPACITY X	gallons/foot	=	gallons		
	VOLUME PURG applicable)	E: 1 EQUIPMEI			UBING CAPACI	TY X TUBIN		LOW CELL VOLUME		<u> </u>		
	OR TUBING LL (feet):	47.5	FINAL PUMF DEPTH IN W	OR TUBING	s + (0.0014 47.5	gallons/foo PURGING INITIATED		feet) + 0. PURGING ENDED AT:	09 gallons = 10:34 PUR	AL VOLUME		1.0
ME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or(µS/cm)	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	OD0 (desc
):30	0.75	0.75	0.08	7.42	6.81	26.90	956	0.78/9.8%	1.05		Clear	No C
):32	0.16	0.91	0.08	7.42	6.81	26.90	956	0.77/9.7%	0.99		Clear	No C
):34	0.16	1.07	0.08	7.42	6.82	26.90	956	0.76/9.6%	0.83		Clear	No C
G INSID	ITY (Gallons Per E DIA. CAPACIT	Y (Gal./Ft.): 1/8	3" = 0.0006; 3	116" = 0.0014;		5/16" = 0.004	4; 3/8" = 0.006	1.02; 6" = 1.47; ; 1/2" = 0.010;	12" = 5.88 5/8" = 0.016 Other (Specify)			
NG EQU	JIPMENT CODE	b = balle	r; bP = blade	ier Pump, i		IPLING DA	,	laluc Pump, U =	Other (Specify)			
ED BY (PRINT) / AFFILIA	ATION:		SAMPLER(S) S		III LING DA	110	SAMPLING INITI	ATED S	AMPLING EN	IDED AT:	
	David Tay	ylor/SCS						10 <u>:3</u>	<u> </u>		10:50	
OR TUB	ING .L (feet):	47.5	7	TUBING MATERIAL COD	_{DE} . HDPE	+ S		FILTERED: Y (No. 1) n Equipment Type:) FILTI	ER SIZE:	μm	
	TAMINATION:	PUMP Y	(N)	TUBING		ced)	Filliatio	DUPLICATE:	Y (N)		
SAN	IPLE CONTAINE	R SPECIFICAT	ION		SAMPLE PF	RESERVATION		INTENDED	,		S	AMPLE P
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVAT USED	TIVE TOTA	AL VOL ADDED I FIELD (mL)	IN FINAL pH	ANALYSIS ANI METHOD	I SAMP	CODE	MENT	FLOW RA
/3-50	1	PE	1000				6.82	TSS		APP		~200
/3-50	1	PE	1000				6.82	BOD		APP		~200
/3-50	1	PE	125				6.82	Salinity	_	APP		~200
/3-50	1	PE	125				6.82	CI,NO2,NO		APP		~200
/3-50 /3-50	1	PE PE	125 250	Sodium Thiosu H2SO4			<2	Fecal Colifor Ammonia	m	APP APP		~200
	·										\Rightarrow	
	-	<u> </u>			<u> </u>		<u> </u>					
RIAL CO		•	CG = Clear Gla		-			T = Teflon; O = 0	Other (Specify)			
LING EC	UIPMENT CODE	ES: APP = A		1 /	ailer; BP = Bla low Peristaltic Pu	1 /	ESP = Electric S aw Method (Tubir	Submersible Pump; ng Gravity Drain);	O = Other (Spe	ecify)		
S : 1	. The above do	not constitute				•	•		, 1			

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

	VILL	AGE OF F	PINECREST	-		LOCATION:			Pinecrest, FL					
NO:	MV	V3-30		SAMPLE	ID:	MW3-30	0		DA	TE:		14 Apr-	2021	
					PU	RGING DA	TA		•					
DIAMET	ER		DIAMETER		WELL SO	CREEN INTERVA		TATIC DEF				JMP TYPE		
s):	1	(inches):	3/	16 DEP	TH: 25 feet	to 30	feet TC	O WATER	(feet): 7.42	OF	R BAILEF	₹:		PP
L VOLUI	ME PURGE: 1 W	/ELL VOLUME			ATIC DEPTH TO			PACITY		I .				
fill out if	applicable)													
DMENT	VOLUME DUDO	E 4 FOLUDIAE	•	feet –		feet)	X		gallons/foot	=		gallons		
	ADLUME PURG applicable)	E: 1 EQUIPME	NT VOL. = PUM	P VOLUME + (TUBING CAPACI	IX X IUBIN	IG LENG	iH) + FL	OW CELL VOLUME					
			=	0 gallon	ns + (0.0014	gallons/foo	t X	50	feet) + 0.0	09 gal	llons =	0.16	gallons	
	OR TUBING	27.5		OR TUBING	27.5	PURGING		10.5	PURGING 5 ENDED AT:	11.0	TOTA	AL VOLUME GED (gallons)		1.0
IN WE	L (feet):	27.0	DEPTH IN V	/ELL (feet):	27.0	INITIATED	AT:	10.0			PUR	JED (gallons)		1.0
	VOLUME	CUMUL.	PURGE	DEPTH TO			_	OND.	DISSOLVED OXYGEN					
ME	PURGED	VOLUME PURGED	RATE	WATER	pH (standard units)	TEMP. (°C)		le units) hos/cm	(circle units)		BIDITY TUs)	ORP (mV)	COLOF (describe	
	(gallons)	(gallons)	(gpm)	(feet)	units)			µS/cm	(mg/L)or	(14	105)	(1117)	(describe	e) (desc
.05	0.75	0.75	0.00	7.40	10.40	20.50		$\underline{}$	% saturation	4.0			Class	N. C
:05	0.75	0.75	0.08	7.42	10.49	26.50		663	2.58/32.3%		9.90		Clear	
:07	0.16	0.91	0.08	7.42	10.49	26.50		663	2.58/32.3%		9.80		Clear	
:09	0.16	1.07	0.08	7.42	10.48	26.50	(663	2.58/32.3%	17	7.50		Clear	No C
									.02; 6" = 1.47;			L		<u> </u>
		, ,			1/4" = 0.0026;		•			5/8" =				
NG EQU	IIPMENT CODES	B = Baile	er; BP = Blad	der Pump;	ESP = Electric Si			P = Perista	itic Pump; U =	Otner (Specify)			
ED DV /	DDINITY / A FEIL LA	TION		CAMPLED(C) C		MPLING DA	AIA		barabi inio iniiti	ATED	lo	ANADI INIO EN	IDED AT	
ED BY (PRINT) / AFFILIA			SAMPLER(S) S	SIGNATURE(S):				SAMPLING INITIA		S	AMPLING EN		
OR TUB	David Tay			TUBING				EIEI D-E	11:1 ILTERED: Y (N	` 	FILTE	ER SIZE:	11:25 µm)
IN WEL		27.5		MATERIAL CO	DE: HDPE	+ S			Equipment Type:		11111	LIV OIZE.	μιιι	
DECON.	TAMINATION:	PUMP Y	0	TUBING	Y (repla	iced)			DUPLICATE:	Υ	N)		
SAM	IPLE CONTAINE	R SPECIFICAT	TION		SAMPLE P	RESERVATION			INTENDED		04445		45.17	SAMPLE P
PLE ID	# CONTAINERS	MATERIAL	VOLUME	PRESERVA	TIVE TOTA	AL VOL ADDED	IN	FINAL	ANALYSIS AND)/OR	SAMP	LING EQUIPN CODE	MENI	FLOW RA
DDE	# CONTAINERS	CODE	(mL)	USED		FIELD (mL)		pН	METHOD					(mL per mi
/3-30	1	PE	1000					10.48	TSS			APP		~200
/3-30	1	PE	1000					10.48	BOD			APP		~200
/3-30	1	PE	125					10.48	Salinity			APP		~200
/3-30	1	PE	125					10.48	CI,NO2,NO3	3		APP		~200
/3-30	1	PE	125	Sodium Thios	ulfate				Fecal Coliforn	m		APP		~200
/3-30	1	PE	250	H2SO4	1			<2	Ammonia			APP		~200
	· · · · · · · · · · · · · · · · · · ·													
DIA:	DE0 :-	A 1 0:	00 01 51				_	0:1:	T T 0 T 1	Su :-				
RIAL CO			CG = Clear Gla	<u> </u>		3			T = Teflon; O = (other (S	pecity)			
LING EQ	UIPMENT CODE	:5: APP = A		1 /	Bailer; BP = B Blow Peristaltic Pu	ladder Pump; ımp; SM = Str			bmersible Pump; Gravity Drain);	o = Ot	her (Spe	ecify)		
S : 1	. The above do	not constitute	all of the inforr	mation required	d by Chapter 62-	160, F.A.C.		<u> </u>						

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

	VILL	AGE OF P	INECREST		SITE LOCATION:				Pinecrest, FL					
NO:	M\	N2-70		SAMPLE ID: MW2-70					ATE: 14 Apr-2021					
					PUI	RGING DA	TA							
DIAMET s):	1	(inches):	DIAMETER 3/1				TO WATER		PURGE PU OR BAILEI	JMP TYPE R:		PP		
	applicable)	VELL VOLOIVIE	`	eet –		feet)	X	gallons/foot	=	gallons				
	VOLUME PURG applicable)	E: 1 EQUIPMEI	NT VOL. = PUMF	•				LOW CELL VOLUME		0.040				
PLIMP	OR TUBING		= FINAL PUMP	0 gallon	,	gallons/foo		PLIBGING	09 gallons =	AL VOLUME	gallons			
	LL (feet):	67.5	DEPTH IN W		67.5	INITIATED A	_{AT:} 11:4	15 ENDED AT:	11:59 PUR	GED (gallons)	:	1.0		
ME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or(µS/cm)	OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	OD0 (desc		
:55	0.75	0.75	0.08	5.99	6.99	27.40	1189	0.70/8.9%	8.45		Clear	No C		
:57	0.16	0.91	0.08	5.99	6.99	27.40	1189	0.68/8.7%	8.12		Clear	No C		
:59	0.16	1.07	0.08	5.99	6.98	27.40	1189	0.68/8.7%	7.45		Clear	No C		
01010	TV (0 D	F () 0.75"	200 411 000	4.05"	20 20 040	0" 0.07 4	" 0.05 F "	1.00 01 1.17	10" 5.00					
					1/4" = 0.0026;			1.02; 6" = 1.47; i; 1/2" = 0.010;	12" = 5.88 5/8" = 0.016					
NG EQI	JIPMENT CODES	S: B = Baile	r; BP = Bladd	er Pump; I	ESP = Electric Su	ıbmersible Pump	; PP = Perist	altic Pump; O =	Other (Specify)					
					SAN	IPLING DA	ATA							
ED BY (PRINT) / AFFILIA		S	SAMPLER(S) S	IGNATURE(S):			SAMPLING INITIA		AMPLING EN				
OR TUB	David Tay			UBING			FIELD-	12:0 FILTERED: Y (N		ER SIZE:	12:15 µm			
IN WEL	L (feet):	67.5		MATERIAL CO				n Equipment Type:	,					
	TAMINATION:	PUMP Y	\bigcirc	TUBING	Y (replac			DUPLICATE:	Y (N)				
	IPLE CONTAINE			DDECED./A	ı	RESERVATION	IN FINAL	INTENDED ANALYSIS AND	SAMP	LING EQUIPN	AENT I	ample p Flow Ra		
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVAT USED	TIVE TOTA	AL VOL ADDED I FIELD (mL)	N FINAL pH	METHOD	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CODE		nL per mir		
/2-70	1	PE	1000				6.98	TSS		APP		~200		
/2-70	1	PE	1000				6.98	BOD		APP		~200		
/2-70	1	PE	125				6.98	Salinity		APP		~200		
/2-70	1	PE	125				6.98	CI,NO2,NO3		APP		~200		
/2-70	1	PE	125	Sodium Thiosu				Fecal Colifor	m	APP		~200		
/2-70	1	PE	250	H2SO4			<2	Ammonia		APP	-+	~200		
	•		<u>, </u>		•		•	•	•					
RIAL CO	DES: AG =	Amber Glass	CG = Clear Glad	ss: PF = Po	vethylene. DD	= Polypropylene	s S = Silicone	T = Teflon; O = 0	Other (Specify)					
	UIPMENT CODE			•	-	adder Pump;		Submersible Pump;	zaioi (opooliy)					
			RFP	P = Reverse F		•	aw Method (Tubir	ng Gravity Drain);	O = Other (Spe	ecify)				
S: 1	. THE above do	not constitute	an or the intorn	iation required	l by Chapter 62-	100, F.A.C.								

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

	VILL	AGE OF P	INECREST		SITE LOCATION:				Pinecrest, FL					
NO:	M\	N2-50		SAMPLE	ID:	MW2-50)	D.	ATE:	14 Apr-	2021			
				<u> </u>	PUI	RGING DA	TA	L						
DIAMET	1	(inches):	DIAMETER 3/1				TO WATE feet	ER (feet): 5.98	PURGE P OR BAILE	UMP TYPE :R:		PP		
	applicable)	VELE VOLOIVIE	`	eet –		feet)	X	gallons/foot	=	gallons				
	VOLUME PURG applicable)	E: 1 EQUIPMEI	NT VOL. = PUMF	•				FLOW CELL VOLUM		0.100				
- PUMP H IN WEI	OR TUBING LL (feet):	47.5	FINAL PUMF DEPTH IN W	0 gallon OR TUBING ELL (feet):	s+(0.0014 47.5	gallons/foo PURGING INITIATED A		feet) + 0 PURGING ENDED AT:	.09 gallons TOT. PUR	= U.100 AL VOLUME RGED (gallons)		1.0		
ME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or(uS/cm)	DISSOLVED OXYGEN (circle units) mg/l/or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	OD0 (desc		
2:30	0.75	0.75	0.08	5.98	6.86	27.10	1030	4.49/56.8%	2.47		Clear	No C		
2:32	0.16	0.91	0.08	5.98	6.86	27.10	1030	4.49/56.8%	2.11		Clear	No C		
2:34	0.16	1.07	0.08	5.98	6.86	27.10	1031	4.49/56.8%	1.88		Clear	No C		
												1		
												1		
					06; 2" = 0.16; 1/4" = 0.0026;			= 1.02; 6" = 1.47; 06; 1/2" = 0.010;	12" = 5.88 5/8" = 0.016					
NG EQL	IIPMENT CODES	S: B = Baile	r; BP = Blado	er Pump; I	ESP = Electric Su	ubmersible Pump	; PP = Peri	staltic Pump; O =	Other (Specify))				
50 DV (TION	lo	AMBLED(0)		IPLING DA	ATA	b			DED 47			
ED BY (PRINT) / AFFILIA David Tav			SAMPLER(S) S	IGNATURE(S):			SAMPLING INIT 12 <u>:</u>		SAMPLING EN	12:50			
OR TUB	ING	47.5		UBING	ne. HDPE	+ S		O-FILTERED: Y	·	ER SIZE:	μm			
IN WEL	L (feet): TAMINATION:	PUMP Y	<u> </u>	MATERIAL COL	JL.		Filtrati	DUPLICATE:	Y (N)				
SAM	IPLE CONTAINE	R SPECIFICAT	ION			RESERVATION		INTENDE	$\overline{}$		S	AMPLE P		
PLE ID DDE	# CONTAINERS	MATERIAL CODE	VOLUME (mL)	PRESERVA [*] USED	TIVE TOTA	AL VOL ADDED I FIELD (mL)	IN FINAL	ANIAL VOIC ANI	D/OR SAMP	PLING EQUIPN CODE	MENT	FLOW RA		
/2-50	1	PE	1000				6.86	TSS		APP		~200		
/2-50	1	PE	1000				6.86			APP		~200		
/2-50	1	PE	125				6.86		_	APP		~200		
/2-50	1	PE	125				6.86			APP		~200		
/2-50 /2-50	1	PE PE	125 250	Sodium Thiosu			<2	Fecal Colifo Ammonia		APP APP	-+	~200		
	'	' -	200	112004			-72	, annonia		, N 1		200		
			<u> </u>											
RIAL CO	DES: AG =	Amber Glass;	CG = Clear Glas	ss; PE = Po	lyethylene; PP	• = Polypropylene	e; S = Silicone	; T = Teflon; O =	Other (Specify)					
LING EQ	UIPMENT CODE		fter Peristaltic Pu	mp; B = B	ailer; BP = Bl	adder Pump;	ESP = Electric	Submersible Pump; ping Gravity Drain);	O = Other (Spe					
S : 1	. The above do	not constitute			by Chapter 62-	•	,	, , , , , , , , , , , , , , , , , , ,	() P	••				

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

SITE

	VILL	AGE OF F	PINECRES			LOCA	TION:			Pinecre	est, F	L			
NO:	MV	V2-30		SAMPL	E ID:		MW2-30			DA	TE:		14 Apr-2	2021	
				<u> </u>		PUR	RGING DA	TA		•					
DIAMET	ER		DIAMETER		WE	LL SCR	REEN INTERVA		STATIC DEF				UMP TYPE		
s):	1	(inches):	3/	16 DE	:PTH: 25	feet	to 30	feet	TO WATER	(feet): 5.98	OF	R BAILE	R:		PP
L VOLUI	ME PURGE: 1 W	/ELL VOLUME							APACITY						
fill out if	applicable)														
DMENT	VOLUME DUDO	E 4 EQUIDME	•	feet –	(TUDING O		et)		((gallons/foot	=		gallons		
	volume Puko applicable)	E: 1 EQUIPME	INT VOL. = PUIV	P VOLUME +	(TUBING CA	APACIT	Y X TUBING	J LEN	IGIH) + FLO	OW CELL VOLUME	•				
			:	= 0 gall	ons + (0.	.0014	gallons/foot	X	50	feet) + 0.	09 gal	llons	= 0.16	gallons	
	OR TUBING	27.5		P OR TUBINO	³ 27	7.5	PURGING	_	12:5!	PURGING ENDED AT:	13.0)9 TOT	AL VOLUME RGED (gallons):		1.0
IN WEL	L (feet):		DEPTH IN V	VELL (feet):		т	INITIATED A	.1:		J	1	FUIN	(galloris).		1
	VOLUME	CUMUL.	PURGE	DEPTH TO					COND.	DISSOLVED OXYGEN					
ME	PURGED	VOLUME PURGED	RATE	WATER	pH (stan units		TEMP. (°C)	•	cle units) nhos/cm	(circle units)		BIDITY TUs)	ORP (mV)	COLOR (describe)	OD((desc
	(gallons)	(gallons)	(gpm)	(feet)		,			ruS/cm	(mg/L)or % saturation	(. 00)	(,	(4000.120)	(4030
3:05	0.75	0.75	0.08	5.98	6.89	a	26.50		1039	0.23/2.9%	8	.81		Clear	No C
3:07	0.16	0.91	0.08	5.98	6.89		26.50		1039	0.22/2.8%		.16		Clear	No C
3:09		1.07	0.08	5.98	6.89		26.50		1039	0.23/2.9%		.74		Clear	1
5.09	0.16	1.07	0.06	5.96	0.08	9	20.50		1039	0.23/2.976	0	.74		Cleal	No C
				-											
	TY (Gallons Per E DIA. CAPACIT						3" = 0.37; 4" 5/16" = 0.004:		65; 5" = 1. / 8" = 0.006;	.02; 6" = 1.47; 1/2" = 0.010;	12" = 5 5/8" =				
	IPMENT CODES	, ,		der Pump;			mersible Pump:		PP = Perista	<u> </u>		Specify))		
			, 2. 2.00	ши. г ш.г.р,			PLING DA			р,	0 (- P	<i>'</i>		
FD BY (PRINT) / AFFILIA	TION:		SAMPLER(S)			FLING DF	\ I A	<u> </u>	SAMPLING INITI	ATFD	Ç	SAMPLING END	OFD AT:	
	David Tay			o, (o)		_(=).				13 <u>:1</u>			57 WIN EN 10 EN 1	13:25	
OR TUB				TUBING					FIELD-F	ILTERED: Y (N		FILT	ER SIZE:	μm	
IN WEL	, ,	27.5		MATERIAL C	ODE.	DPE +			Filtration	Equipment Type:				-	
DECON	TAMINATION:	PUMP Y	\mathbb{C}	TUBIN	G Y (N	(replace	ed)			DUPLICATE:	Y	N	<u>) </u>		
SAN	PLE CONTAINE	R SPECIFICA	TION		SAMI	PLE PRI	ESERVATION			INTENDED		SAME	PLING EQUIPM	ENT I	MPLE P
PLE ID	# CONTAINERS	MATERIAL	VOLUME	PRESERV			VOL ADDED II	N	FINAL	ANALYSIS AND METHOD	D/OR	O/ uvii	CODE		LOW RA
DDE		CODE	(mL)	USE	D	ŀ	FIELD (mL)		pH					(11	•
/2-30	1	PE	1000					-	6.89	TSS			APP		~200
/2-30	1	PE	1000						6.89	BOD			APP		~200
/2-30	1	PE	125					-	6.89	Salinity			APP		~200
/2-30	1	PE	125						6.89	CI,NO2,NO			APP		~200
/2-30	1	PE	125	Sodium Thi						Fecal Colifor	m		APP		~200
/2-30	1	PE	250	H2S0)4				<2	Ammonia			APP		~200
										1					
RIAL CO	DES: AG =	Amber Glass:	CG = Clear Gla	ass; PE = F	Polyethylene:	PP :	= Polypropylene	S	= Silicone:	T = Teflon; O = 0	Other (S	Specify)			
	UIPMENT CODE						,, ,,		•	bmersible Pump;	(-				
			RF	PP = Reverse	Flow Perista	ıltic Pum	np; SM = Stra				O = Ot	ther (Sp	ecify)		
S : 1	. The above do	not constitute	all of the infor	mation requir	ed by Chapt	ter 62-10	60, F.A.C.	- 4	100 (055 51	2 0040 05051051					

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

MO#: 35625653

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

(V/N) SAMPLE CONDITIONS (N/A) Cooler ŏ pelees Regulatory Agency State / Location (N/Y) ab Ź Received on Residual Chlorine (Y/N) 22 TEMP in C 1625 TIME 4/13/2 2540D TSS DATE Signed: -/ Fecal Coliform MF 350.1Ammonia christina raschke@pacelabs.com, 2210B BOD сі, иог, иоз Salinity Analyses Test N/A Ofher Methanol Preservatives Na2S203 HOBN 16027 Pace Project Manager: нсі Invoice Information: еоин Company Name: Pace Profile #: 005/ Pace Quote: Section C Address: Attention: TIME Unpreserved # OF CONTAINERS O SAMPLER NAME AND SIGNATURE 13/61/1 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 000 113/2 王S 1219 033 TIME END DATE COLLECTED RELINQUISHED BY LAFFILLATION TIME START DATE Required Project Information; Pinecrest Report To: David Taylor (G=GRAB C=COMP) 34YT 3J4MA2 Purchase Order #: MATRIX CODE (see valid codes to left) roject Name: Copy To: roject #: CODE WY WY SI SI OL AR AR TS MATRIX
Drinking Water
Waster
Waster
Waste Water
Product
Soli/Solid
Oil
Wipe
Air
Other ADDITIONAL COMMENTS (A-Z, 0-9 /, -) Sample Ids must be unique One Character per box. SAMPLE ID 20 30 9500 S Dadeland Blvd 0 Email: dtaylor@scsengineers.com l Company: SCS Engineers Required Client Information: (305)412-8185 Ì t ナ MM 33 37 3 37 Requested Due Date Miami, FL 33156 Address: Phone: 10 12 1 # M3TI



Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev, 13

Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #

Project Manager:

Date: 04/19/21

CLIENT: 36-SCS_Lenna

Date and Initials of person:

Examining contents:_ Label:

Deliver:

Client: CLIENT: 36-	SCS_Lenna	Deliver:
Thermometer Used: T337	Date: 4113121 Time:	2350 Initials: CJA
State of Origin:	For WV projects, all containers	
71	prrection Factor) Z1Z (Actual)	Samples on ice, cooling process has begun
Cooler #2 Temp.°C(Visual)(Co	,	Samples on ice, cooling process has begun
Cooler #3 Temp.°C(Visual)(Co		Samples on ice, cooling process has begun
Cooler #4 Temp.°C(Visual)(Co		Samples on ice, cooling process has begun
Cooler #5 Temp.°C(Visual)(Co		Samples on ice, cooling process has begun
Cooler #6 Temp.°C(Visual)(Co		Samples on ice, cooling process has begun
	Client Commercial Pag	ce Other
Shipping Method:	ernight 🗆 Standard Overnight 🗆 Gr	ound International Priority
☐ Other Billing: ☐ Recipient ☐ Sender		D. Usharana
	☐ Third Party ☐ Credit Card	☐ Unknown
Tracking #		
Custody Seal on Cooler/Box Present:	No Seals intact: ✓ Yes ☐ N	No Ice: Wet Blue Dry None
Packing Material: Bubble Wrap Bubble Bags	None Other	
Samples shorted to lab (If Yes, complete)	horted Date:S	shorted Time: Qty:
	Comments:	
Chain of Custody Present	Yes □ No □N/A	
01.1.10.11.20.11.20.11	Pres □ No □N/A	
SPANSIBLE SEASON STANSON MICHIGAN SECTION STANSON	Yes □ No □N/A	
	Yes □ No □N/A	
Rush TAT requested on COC	IYes ☑No □N/A	
Sufficient Volume	Yes 🗆 No 🗆 N/A	
Correct Containers Used	Yes □ No □N/A	
Containers Intact	Yes 🗆 No 🗆 N/A	
Sample Labels match COC (sample IDs & date/time of collection)	Yes DNo DN/A	
All containers needing acid/base preservation have been checked.		Preservation Information:
All Containers needing preservation are found to be in	Lot #/Tr	
compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbar	Yes □ No □N/A Date:	Time:
Ulastic Section (OA) S. L. O.	Yes DNo DNA	
THE DI L D	Yes ☑ No ☐N/A	
Client Notification/ Resolution:		
Person Contacted:	Date/Time:	
Comments/ Resolution (use back for additional comm	ents):	
	المالية	
Project Manager Review:		Date:

Date:



Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13

Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #

Project Manager:

Due Date: 04/19/21 PM: CTR

Date and Initials of person:
Examining contents: Label:_

Client:	: 30-303_Lenna	Deliver:
Thermometer Used: 1343	Date: 4/13/21	Time: 1645 Initials: le
State of Origin:		-
Cooler #1 Temp.°C O · (Visual) O · (containers verified to ≤6 °C
Cooler #2 Temp.°C(Visual)		
Cooler #3 Temp. °C(Visual)		(A ())
Cooler #4 Temp.°C(Visual)		
Cooler #5 Temp.°C (Visual)		44.4
Cooler #6 Temp.°C(Visual)		
		(Actual) Samples on ice, cooling process has begun
Courier: Fed Ex UPS U	JSPS 🗆 Client 🗀 Commercia	Pace Other
	ority Overnight	t □ Ground □ International Priority
Other	=====	
Billing: ☐ Recipient ☐ Sende	er 🗆 Third Party 🗆 Credit	t Card 🔲 Unknown
Tracking #		
Custody Seal on Cooler/Box Present:	Seals intact:	Yes No Ice: Web Blue Dry None
Packing Material: Bubble Wrap Bubble		
Samples shorted to lab (If Yes, complete)	Shorted Date:	
, , ,	-	
Chain of Custody Present	Commen	its:
Chain of Custody Filled Out	Yes No N/A	
Relinquished Signature & Sampler Name COC	☐Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	©Yes □ No □N/A	
Rush TAT requested on COC		
Sufficient Volume		
Correct Containers Used	*	
Containers Intact	□Yes □ No □N/A	
Sample Labels match COC (sample IDs & date/time of	□Yes □ No □N/A	
collection) All containers needing acid/base preservation have beer	□Yes □ No □N/A	
checked.	□Yes □ No □N/A	Preservation Information: Preservative:
All Containers needing preservation are found to be in compliance with EPA recommendation:	□Yes □ No □N/A	Lot #/Trace #: Time:
Exceptions: VOA, Coliform, TOC, O&G	, Carbamates	Initials:
Headspace in VOA Vials? (>6mm):	□Yes □ No □N/A	
Trip Blank Present:	□Yes □ No □N/A	
Client Notification/ Resolution:		
Person Contacted:	Date	e/Time:
Comments/ Resolution (use back for additional	comments): Ice Melt	ed
Project Manager Review:		Date:

WO#: 35626037

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Samples (Y/N) SAMPLE CONDITIONS (N/A) Cooler ŏ pelses Custody Regulatory Agency State / Location (Y/N) ce Received on Residual Chlorine (Y/N) TEMP in C Kill TIME 54 Requested Analysis Filtered (Y/N) 5 DATE 2540D TSS DATE Signed: Fecal Coliform MF sinommA1,038 christina raschke@pacelabs.com, 2210B BOD ACCEPTED BY / AFFILIATION CI' NO5' NO3 Salinity Analyses Test N/A Methanol Preservatives Na2S2O3 HOBN 16027 an o Pace Project Manager: нсі Invoice Information: еоин Company Name: Pace Profile #: H2SO4 Pace Quote: Section C TIME Address: Unpreserved # OF CONTAINERS SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 035 900 TIME SP c//m/n DATE COLLECTED RELINQUISHED BY / AFFILIATION TIME START DATE roject Information: Pinecrest Report To: David Taylor SAMPLE TYPE (G=GRAB C=COMP) Purchase Order #: MATRIX CODE (see valid codes to left) Project Name: Copy To: Project #: CODE DW WT WN SL OL WP AR AR MATRIX
Donking Water
Vaster
Waste Water
Product
Soul/Solid
Oil
Wipe
Air
Chher
Tissue ADDITIONAL COMMENTS (A-Z, 0-9 /, -) Sample Ids must be unique One Character per box. SAMPLE ID 9500 S Dadeland Blvd Email: dtaylor@scsengineers.com 30 Company: SCS Engineers (305)412-8185 Required Cilent Information JW7 MW3 MM 3 MW2 0 Requested Due Date: 3 335 Miami, FL 33156 Address: Phone: w 10 11 12 2 က 9 œ 6 # MHTI



Project Manager Review:

Document Name; Sample Condition Upon Receipt Form Document No.; F-FL-C-007 rev. 13 Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # Date and Initials of person: Examining contents: **Project Manager:** Label: CLIENT: 36-ESCON Deliver: Client: Date: 1/17/21 Time: 2543 Initials: Thermometer Used: State of Origin: For WV projects, all containers verified to ≤6 °C 10,1 (Correction Factor) Cooler #1 Temp. °C 116 (Visual) (Actual) Samples on ice, cooling process has begun Cooler #2 Temp.°C_____(Visual) ___(Correction Factor) _____(Actual) Samples on ice, cooling process has begun Cooler #3 Temp.°C___ _(Visual) __(Correction Factor) ____ __(Actual) Samples on ice, cooling process has begun Cooler #4 Temp.°C____ ___(Visual) _____(Correction Factor) ____ ___(Actual) Samples on ice, cooling process has begun Cooler #5 Temp.°C_____(Visual) _____(Correction Factor) __(Actual) Samples on ice, cooling process has begun Cooler #6 Temp. C_____(Visual) _____(Correction Factor) ____ Samples on ice, cooling process has begun ... (Actual) ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_ Courier: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground **Shipping Method:** □ International Priority □ Recipient □ Sender ☐ Third Party ☐ Credit Card □ Unknown Billing: Tracking # Seals intact: Yes No Custody Seal on Cooler/Box Present: ■ No Blue Dry None Packing Material: Bubble Wrap Bubble Bags ☐Mone ☐Other Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty: ___ Comments: Yes I No IN/A Chain of Custody Present Chain of Custody Filled Out ✓Yes □ No □N/A Relinquished Signature & Sampler Name COC ✓Yes □ No □N/A Samples Arrived within Hold Time ☐Yes □ No □N/A □Yes □No □N/A Rush TAT requested on COC eyes □ No □N/A Sufficient Volume ☑Yes ☐ No ☐N/A Correct Containers Used □Yes □ No □N/A Containers Intact Sample Labels match COC (sample IDs & date/time of ■Yes □ No □N/A collection) All containers needing acid/base preservation have been Preservation Information: ZYes □ No □N/A checked. Preservative: All Containers needing preservation are found to be in Lot #/Trace #. Yes □ No □N/A compliance with EPA recommendation: Date: Initials: Exceptions: VOA, Coliform, TOC, O&G, Carbamates □Yes □ No □N/A Headspace in VOA Vials? (>6mm): Trip Blank Present: □Yes No □N/A Client Notification/ Resolution: Person Contacted: Date/Time: Comments/ Resolution (use back for additional comments):

Date:



Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13

Document Revised: May 30, 2018 Issuing Authority; Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #	MO# : 350200	101	Date and Initials of person:
Project Manager:	PM: CTR Due Dat	e: 04/20/21	Examining contents:
Client:	CLIENT: 36-ESCON		Label: Deliver:
Onent.			pH:
Thermometer Used: 13	Date: 4/14	1/21 Time: 1	541 Initials: AM
State of Origin:	For \	VV projects, all containers	verified to ≤6 °C
Cooler #1 Temp. C 16.1 (Visu	ual) 0.0 (Correction Factor)	16.9 (Actual)	Samples on ice, cooling process has begui
Cooler #2 Temp.°C(Visu	ual)(Correction Factor)	(Actual)	Samples on ice, cooling process has begui
Cooler #3 Temp. "C(Visu	ual)(Correction Factor)	(Actual)	Samples on ice, cooling process has begui
Cooler #4 Temp. C(Visu	ual)(Correction Factor) _	(Actual)	Samples on ice, cooling process has begui
Cooler #5 Temp. C(Visu	ual)(Correction Factor) _	(Actual)	Samples on ice, cooling process has begur
Cooler #6 Temp.°C(Visu	ual)(Correction Factor) _	(Actual)	Samples on ice, cooling process has begur
Courier: Fed Ex	UPS USPS Client U	Commercial Deac	e Other
Shipping Method: First Overn	ight 🗆 Priority Overnight 🗆 Stand	ard Overnight Gro	ound International Priority
☐ Other			
Billing: Recipient	☐ Sender ☐ Third Party	☐ Credit Card	☐ Unknown
Tracking #			/
Custody Seal on Cooler/Box Prese	ent: ☐Yes ☑No Seal	sintact: 🗌 Yes 🛮 N	o Ice: Wet Blue Dry None
Packing Material: Bubble Wrap	Bubble Bags None	Other	
Samples shorted to lab (If Yes, cor	mplete) Shorted Date:	SI	horted Time: Qty:
		Comments:	
Chain of Custody Present	ØYøs □ No □N/		
Chain of Custody Filled Out	ZYes □ No □N/		
Relinquished Signature & Sampler N	lame COC ZYes □ No □N/	A	
Samples Arrived within Hold Time	☐Yes □ Ŋø □N/	A	
Rush TAT requested on COC	□Yes □No □N/	А	
Sufficient Volume	□Yes □ No □N/.	А	
Correct Containers Used	□Yes □ No □N/	A	
Containers Intact	□Yes □ No □N/	A	
Sample Labels match COC (sample IDs a collection)	& date/time of □Yes □ No □N/.	A	
All containers needing acid/base preserve checked.	ation have been □Yes □ No □N/	Λ.	Preservation Information:
All Containers needing preservation are f	ound to be in	Lot #/Tra	ative:ace#
compliance with EPA recommendation:	□Yes □ No □N/. orm, TOC, O&G, Carbamates	A Date: Initials:_	Time:
Headspace in VOA Vials? (>6mm):	□Yes □ No □N/		
Trip Blank Present:	□Yes □ No □N/		12
			100
Client Notification/ Resolution: Person Contacted:		Date/Time:	
Comments/ Resolution (use back t	for additional comments):		
**			
Project Manager Review:			Date:

Appendix B Laboratory Analytical Reports





April 19, 2021

Dave Atteberry SCS Engineers - Jacksonville, FL 14785 Old St. Augustine Road Suite 300 Jacksonville, FL 32258

RE: Project: Pinecrest

Pace Project No.: 35625653

Dear Dave Atteberry:

Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- · Pace Analytical Services Ormond Beach
- · Pace Analytical Services South Florida

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

Sincerely,

Christina Raschke christina.raschke@pacelabs.com (954)582-4300

Monther Darable

Project Manager

Enclosures

cc: Claudia Pineda, SCS Engineers Troy Schick, SCS Engineers





CERTIFICATIONS

Project: Pinecrest
Pace Project No.: 35625653

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Arizona Certification# AZ0819

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079 Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383 Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maryland Certification: #346 Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710 North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services South Florida

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

REPORT OF LABORATORY ANALYSIS



SAMPLE SUMMARY

Project: Pinecrest Pace Project No.: 35625653

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35625653001	MW1-30	Water	04/13/21 12:53	04/13/21 16:45
35625653002	MW1-50	Water	04/13/21 12:19	04/13/21 16:45
35625653003	MW1-70	Water	04/13/21 11:45	04/13/21 16:45
35625653004	MW4-30	Water	04/13/21 11:10	04/13/21 16:45
35625653005	MW4-50	Water	04/13/21 10:33	04/13/21 16:45
35625653006	MW4-70	Water	04/13/21 10:00	04/13/21 16:45

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: Pinecrest Pace Project No.: 35625653

MW1-30 SM 2520B Modified LTP 1	Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
SM 5210B AD2 1 SM 922ED AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 TM3 2 SM 5256653002 MW1-50 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 300.0 YMP 1 SM 522ED AD2 1 EPA 300.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 TM3 2 SM 5250B Modified LTP 1 SM 5240D GDV 1 SM 5210B AD2 1 SM 5210B AD2 1 EPA 300.0 YMP 1 SM 5210B AD2 1 SM 5210B AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 EPA 350.2 CLL 2 EPA 300.0 YMP 1 SM 5210B AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 EPA 300.0 YMP 1 SM 5240D GDV 1 SM 5210B AD2 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 EPA 300.0 YMP 1 SM 5240D GDV 1 SM 5210B AD2 1 EPA 350.1 RRB 1	35625653001	MW1-30	SM 2520B Modified	LTP	1	PASI-SF
SM 922D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 350.2 TM3 2 35625653002 MW1-50 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 8210B AD2 1 SM 922D AD2 1 EPA 350.1 RRB 1 EPA 353.2 TM3 2 SM 922D AD2 1 EPA 350.1 RRB 1 EPA 353.2 TM3 2 SM 2540D GDV 1 SM 5210B AD2 1 EPA 350.1 RRB 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 300.0 YMP 1 SM 5210B AD2 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 922D AD2 1 EPA 300.0 YMP 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 350.1 RRB 1			SM 2540D	GDV	1	PASI-SF
BPA 300.0 YMP 1			SM 5210B	AD2	1	PASI-SF
EPA 350.1 RRB 1 EPA 353.2 TM3 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 2520B Modified LTP 1 SM 2520B Modified LTP 1 SM 2520D AD2 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.2 TM3 2 SM 2520B Modified LTP 1 EPA 350.2 TM3 2 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2520B Modified LTP 1 EPA 350.1 RRB AD2 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1			SM 9222D	AD2	1	PASI-SF
BPA 353.2 TM3 2 2 35625653002 MW1-50 SM 2520B Modified LTP 1 1 1 1 1 1 1 1 1			EPA 300.0	YMP	1	PASI-O
MW1-50 SM 2520B Modified LTP 1 1 1 1 1 1 1 1 1			EPA 350.1	RRB	1	PASI-O
SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 355.2 TM3 2 SM 2520B Modified LTP 1 SM 2520B MOdified LTP 1 SM 9222D AD2 1 EPA 300.0 FMP 1 EPA 350.1 RRB 1 SM 2540D GDV 1 SM 2520B Modified LTP 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			EPA 353.2	TM3	2	PASI-O
SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 TM3 2 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.1 GDV 1 SM 2520B Modified LTP 1 SM 2540D AD2 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1	35625653002	MW1-50	SM 2520B Modified	LTP	1	PASI-SF
SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 TM3 2 35625653003 MW1-70 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 2540D AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2540D GDV 1 EPA 350.1 RRB 1			SM 2540D	GDV	1	PASI-SF
EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 TM3 2 35625653003 MW1-70 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 300.0 YMP 1 EPA 353.2 CLL 2 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1			SM 5210B	AD2	1	PASI-SF
EPA 350.1 RRB 1 EPA 353.2 TM3 2 SM 2520553003 MW1-70 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 300.0 YMP 1 EPA 353.2 CLL 2 SM 2520553004 MW4-30 SM 2520B Modified LTP 1 SM 2540D GDV 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 25205653004 DGDV 1 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 2540D GDV 1 SM 2510B AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 SM 2540D GDV 1 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 2520B Modified LTP 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			SM 9222D	AD2	1	PASI-SF
BPA 353.2 TM3 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2540D GDV 1 SM 5250B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2540D GDV 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.1 GDV 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.0 GDV 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1			EPA 300.0	YMP	1	PASI-O
SM 2520B Modified LTP 1			EPA 350.1	RRB	1	PASI-O
SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 9224D AD2 1 EPA 353.2 CLL 2 SM 9225653004 MW4-30 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.1 GDV 1 SM 2520B Modified LTP 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.0 GDV 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1			EPA 353.2	TM3	2	PASI-O
SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2510B AD2 1 SM 2520B Modified AD2 1 SM 2520B Modified LTP 1 SM 2520B AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2520B Modified LTP 1 EPA 350.1 RRB 1	35625653003	MW1-70	SM 2520B Modified	LTP	1	PASI-SF
SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2540D GDV 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2540D GDV 1 EPA 350.2 CLL 2 EPA 350.1 RRB 1 EPA 350.2 CLL 2 EPA 350.0 GDV 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.0 GDV 1 EPA 350.1 RRB 1			SM 2540D	GDV	1	PASI-SF
EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2525653005 MW4-50 SM 2520B Modified LTP 1 SM 2540D GDV 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 GDV 1 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1			SM 5210B	AD2	1	PASI-SF
EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2520B Modified LTP 1 EPA 350.1 RRB 1 EPA 350.2 CLL 2 SM 2520B Modified LTP 1 EPA 350.2 CLL 2 EPA 350.5 MW4-50 SM 2520B Modified LTP 1 EPA 350.1 RRB AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			SM 9222D	AD2	1	PASI-SF
EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 EPA 350.0 GDV 1 EPA 350.1 RRB 1 EPA 350.1 LTP 1 EPA 350.1 LTP 1 SM 2540D GDV 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			EPA 300.0	YMP	1	PASI-O
\$5625653004 MW4-30 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2540D GDV 1 SM 5210B AD2 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			EPA 350.1	RRB	1	PASI-O
SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1			EPA 353.2	CLL	2	PASI-O
SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2540D GDV 1 SM 5210B AD2 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB AD2 1 EPA 350.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1	35625653004	MW4-30	SM 2520B Modified	LTP	1	PASI-SF
SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			SM 2540D	GDV	1	PASI-SF
EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1 EPA 350.1 RRB 1			SM 5210B	AD2	1	PASI-SF
EPA 350.1 RRB 1 EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2			SM 9222D	AD2	1	PASI-SF
EPA 353.2 CLL 2 SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2			EPA 300.0	YMP	1	PASI-O
SM 2520B Modified LTP 1 SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2			EPA 350.1	RRB	1	PASI-O
SM 2540D GDV 1 SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2			EPA 353.2	CLL	2	PASI-O
SM 5210B AD2 1 SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2	35625653005	MW4-50	SM 2520B Modified	LTP	1	PASI-SF
SM 9222D AD2 1 EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2			SM 2540D	GDV	1	PASI-SF
EPA 300.0 YMP 1 EPA 350.1 RRB 1 EPA 353.2 CLL 2			SM 5210B	AD2	1	PASI-SF
EPA 350.1 RRB 1 EPA 353.2 CLL 2			SM 9222D	AD2	1	PASI-SF
EPA 353.2 CLL 2			EPA 300.0	YMP	1	PASI-O
			EPA 350.1	RRB	1	PASI-O
35625653006 MW4-70 SM 2520B Modified LTP 1			EPA 353.2	CLL	2	PASI-O
	35625653006	MW4-70	SM 2520B Modified	LTP	1	PASI-SF
SM 2540D GDV 1			SM 2540D	GDV	1	PASI-SF

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Pinecrest Pace Project No.: 35625653

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5210B	AD2	1	PASI-SF
		SM 9222D	AD2	1	PASI-SF
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	2	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach PASI-SF = Pace Analytical Services - South Florida



SUMMARY OF DETECTION

Project: Pinecrest Pace Project No.: 35625653

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35625653001	MW1-30					-
EPA 300.0	Chloride	34.3	mg/L	5.0	04/17/21 21:20	
EPA 350.1	Nitrogen, Ammonia	0.78	mg/L	0.050	04/15/21 17:01	
5625653002	MW1-50					
SM 9222D	Fecal Coliforms	No result	CFU/100 mL	1.0	04/14/21 15:57	1p,Z
EPA 300.0	Chloride	43.6	mg/L	5.0	04/17/21 21:42	
EPA 350.1	Nitrogen, Ammonia	0.17	mg/L	0.050	04/15/21 17:03	
EPA 353.2	Nitrogen, Nitrate	0.41	mg/L	0.050	04/15/21 11:34	
5625653003	MW1-70					
EPA 300.0	Chloride	54.4	mg/L	5.0	04/17/21 22:47	
EPA 350.1	Nitrogen, Ammonia	0.38	mg/L	0.050	04/15/21 17:04	
EPA 353.2	Nitrogen, Nitrate	0.025 I	mg/L	0.050	04/15/21 10:20	
EPA 353.2	Nitrogen, Nitrite	0.038 I	mg/L	0.050	04/15/21 10:20	
5625653004	MW4-30					
EPA 300.0	Chloride	193	mg/L	25.0	04/17/21 23:09	
EPA 353.2	Nitrogen, Nitrate	0.76	mg/L	0.050	04/15/21 07:42	
EPA 353.2	Nitrogen, Nitrite	0.078	mg/L	0.050	04/15/21 07:42	
5625653005	MW4-50					
EPA 300.0	Chloride	187	mg/L	25.0	04/17/21 23:30	
EPA 353.2	Nitrogen, Nitrate	0.80	mg/L	0.050	04/15/21 07:08	
EPA 353.2	Nitrogen, Nitrite	0.070	mg/L	0.050	04/15/21 07:08	
5625653006	MW4-70					
SM 2520B Modified	Salinity	23.4	ppt	7.0	04/19/21 09:24	
SM 2540D	Total Suspended Solids	25.8	mg/L	5.0	04/15/21 14:27	
EPA 300.0	Chloride	14000	mg/L	1000	04/17/21 23:52	
EPA 350.1	Nitrogen, Ammonia	0.15	mg/L	0.050	04/15/21 17:13	
EPA 353.2	Nitrogen, Nitrate	0.030 I	mg/L	0.050	04/15/21 06:27	



Project: Pinecrest
Pace Project No.: 35625653

Method: SM 2520B Modified
Description: Salinity by Conductivity
Client: SCS Engineers
Date: April 19, 2021

General Information:

6 samples were analyzed for SM 2520B Modified by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:



Project: Pinecrest
Pace Project No.: 35625653

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: SCS Engineers

Date: April 19, 2021

General Information:

6 samples were analyzed for SM 2540D by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 721012

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

- DUP (Lab ID: 3929583)
 - Total Suspended Solids
- DUP (Lab ID: 3929814)
 - Total Suspended Solids
- MW1-30 (Lab ID: 35625653001)
 - Total Suspended Solids



Project: Pinecrest
Pace Project No.: 35625653

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: SCS Engineers

Date: April 19, 2021

Analyte Comments: QC Batch: 721012

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

MW1-50 (Lab ID: 35625653002)
 Total Suspended Solids
 MW1-70 (Lab ID: 35625653003)
 Total Suspended Solids

QC Batch: 721276

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

MW4-30 (Lab ID: 35625653004)
Total Suspended Solids
MW4-50 (Lab ID: 35625653005)

• Total Suspended Solids



Project: Pinecrest
Pace Project No.: 35625653

Method: SM 5210B

Description: 5210B BOD, 5 day
Client: SCS Engineers
Date: April 19, 2021

General Information:

6 samples were analyzed for SM 5210B by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 720883

V: Indicates that the analyte was detected in both the sample and the associated method blank.

- MW1-30 (Lab ID: 35625653001)
 - BOD, 5 day



Project: Pinecrest Pace Project No.: 35625653

Method: SM 5210B

Description:5210B BOD, 5 dayClient:SCS EngineersDate:April 19, 2021

Analyte Comments:

QC Batch: 720883

V: Indicates that the analyte was detected in both the sample and the associated method blank.

• MW1-50 (Lab ID: 35625653002)

• BOD, 5 day

• MW1-70 (Lab ID: 35625653003)

• BOD, 5 day

• MW4-30 (Lab ID: 35625653004)

• BOD, 5 day

• MW4-50 (Lab ID: 35625653005)

· BOD, 5 day

• MW4-70 (Lab ID: 35625653006)

• BOD, 5 day



Project: Pinecrest
Pace Project No.: 35625653

Method: SM 9222D

Description: 9222D Fecal Coliform
Client: SCS Engineers
Date: April 19, 2021

General Information:

6 samples were analyzed for SM 9222D by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with SM 9222D with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 721404

1p: Growth of non-target organisms too numerous to count..

- MW1-50 (Lab ID: 35625653002)
 - Fecal Coliforms
- Z: Too many colonies were present for accurate counting.
 - MW1-50 (Lab ID: 35625653002)
 - Fecal Coliforms



Project: Pinecrest
Pace Project No.: 35625653

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: SCS Engineers

Date: April 19, 2021

General Information:

6 samples were analyzed for EPA 300.0 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:



Project: Pinecrest
Pace Project No.: 35625653

Method:EPA 350.1Description:350.1 AmmoniaClient:SCS EngineersDate:April 19, 2021

General Information:

6 samples were analyzed for EPA 350.1 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:



Project: Pinecrest
Pace Project No.: 35625653

Method: EPA 353.2

Description: 353.2 Nitrogen, NO2/NO3 unpres

Client: SCS Engineers

Date: April 19, 2021

General Information:

6 samples were analyzed for EPA 353.2 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 721144

 $A\ matrix\ spike\ and/or\ matrix\ spike\ duplicate\ (MS/MSD)\ were\ performed\ on\ the\ following\ sample(s):\ 35625504002,35625666002$

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

• MS (Lab ID: 3930671)

· Nitrogen, Nitrite

J(R1): Estimated Value. RPD value was outside control limits.

• MSD (Lab ID: 3930670)

· Nitrogen, Nitrite

QC Batch: 721146

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 35625822001,35625822003

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

• MS (Lab ID: 3930683)

· Nitrogen, Nitrite

• MSD (Lab ID: 3930682)

• Nitrogen, Nitrite

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

Sample: MW1-30	Lab ID:	35625653001	Collected	d: 04/13/2	12:53	Received: 04/	/13/21 16:45 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:17		
2540D Total Suspended Solids	•	Method: SM 29 ytical Services		rida					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/14/21 15:26		PP
5210B BOD, 5 day	•	Method: SM 52 ytical Services		rida					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/14/21 15:51	04/19/21 10:35		V
9222D Fecal Coliform	•	Method: SM 92 ytical Services			od: SM	1 9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/13/21 17:38	04/14/21 15:57		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		each					
Chloride	34.3	mg/L	5.0	2.5	1		04/17/21 21:20	16887-00-6	
350.1 Ammonia	•	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.78	mg/L	0.050	0.035	1		04/15/21 17:01	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.025 U 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 11:47 04/15/21 11:47		



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

Sample: MW1-50	Lab ID:	35625653002	Collected:	04/13/2	1 12:19	Received: 04/	13/21 16:45 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	,	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:19		
2540D Total Suspended Solids	,	Method: SM 25 ytical Services		da					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/14/21 15:26		PP
5210B BOD, 5 day	=	Method: SM 52 ytical Services		da					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/14/21 15:57	04/19/21 10:41		V
9222D Fecal Coliform	,	Method: SM 92 ytical Services	•		nod: SM	9222D			
Fecal Coliforms	No result (CFU/100 mL	1.0	1.0	1	04/13/21 17:38	04/14/21 15:57		1p,Z
300.0 IC Anions 28 Days	,	Method: EPA 3		ach					
Chloride	43.6	mg/L	5.0	2.5	1		04/17/21 21:42	16887-00-6	
350.1 Ammonia	,	Method: EPA 3		ach					
Nitrogen, Ammonia	0.17	mg/L	0.050	0.035	1		04/15/21 17:03	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	,	Method: EPA 3		ach					
Nitrogen, Nitrate Nitrogen, Nitrite	0.41 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 11:34 04/15/21 11:34	14797-55-8 14797-65-0	



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

Sample: MW1-70	Lab ID:	35625653003	Collected	: 04/13/2	11:45	Received: 04/	/13/21 16:45 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:20		
2540D Total Suspended Solids	•	Method: SM 25 ytical Services		da					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/14/21 15:26		PP
5210B BOD, 5 day	,	Method: SM 52 ytical Services		da					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/14/21 15:58	04/19/21 10:43		V
9222D Fecal Coliform		Method: SM 92 ytical Services			od: SM	1 9222D			
Fecal Coliforms	1.0 U C	CFU/100 mL	1.0	1.0	1	04/13/21 17:38	04/14/21 15:57		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		each					
Chloride	54.4	mg/L	5.0	2.5	1		04/17/21 22:47	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	0.38	mg/L	0.050	0.035	1		04/15/21 17:04	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.025 I 0.038 I	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 10:20 04/15/21 10:20		



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

Sample: MW4-30	Lab ID:	35625653004	Collected	: 04/13/2	11:10	Received: 04/	/13/21 16:45 Ma	atrix: Water	
Parameters	Results	Units	PQL _	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:22		
2540D Total Suspended Solids	•	Method: SM 25 ytical Services		da					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:27		PP
5210B BOD, 5 day	,	Method: SM 52 ytical Services		da					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/14/21 16:01	04/19/21 10:46		V
9222D Fecal Coliform	-	Method: SM 92 ytical Services			od: SM	1 9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/13/21 17:38	04/14/21 15:57		
300.0 IC Anions 28 Days	,	Method: EPA 3 ytical Services		each					
Chloride	193	mg/L	25.0	12.5	5		04/17/21 23:09	16887-00-6	
350.1 Ammonia	-	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/15/21 17:06	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.76 0.078	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 07:42 04/15/21 07:42		



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

Sample: MW4-50	Lab ID:	35625653005	Collected	: 04/13/2	1 10:33	Received: 04/	/13/21 16:45 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	,	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:23		
2540D Total Suspended Solids	,	Method: SM 25 ytical Services		ida					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:27		PP
5210B BOD, 5 day	,	Method: SM 52 ytical Services		ida					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/14/21 16:03	04/19/21 10:49		V
9222D Fecal Coliform		Method: SM 92 ytical Services			nod: SM	1 9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/13/21 17:38	04/14/21 15:57		
300.0 IC Anions 28 Days	•	Method: EPA 3		each					
Chloride	187	mg/L	25.0	12.5	5		04/17/21 23:30	16887-00-6	
350.1 Ammonia	•	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/15/21 17:08	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.80 0.070	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 07:08 04/15/21 07:08		



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

Sample: MW4-70	Lab ID:	35625653006	Collected	04/13/2	10:00	Received: 04/	13/21 16:45 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	23.4	ppt	7.0	7.0	1		04/19/21 09:24		
2540D Total Suspended Solids	•	Method: SM 25 ytical Services		da					
Total Suspended Solids	25.8	mg/L	5.0	5.0	1		04/15/21 14:27		
5210B BOD, 5 day	,	Analytical Method: SM 5210B Pace Analytical Services - South Florida							
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/14/21 16:04	04/19/21 10:52		V
9222D Fecal Coliform	=	Method: SM 92 ytical Services			nod: SM	1 9222D			
Fecal Coliforms	1.0 U	CFU/100 mL	1.0	1.0	1	04/13/21 17:38	04/14/21 15:57		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		each					
Chloride	14000	mg/L	1000	500	200		04/17/21 23:52	16887-00-6	
350.1 Ammonia	=	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.15	mg/L	0.050	0.035	1		04/15/21 17:13	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	=	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.030 I 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 06:27 04/15/21 06:27		



Project: Pinecrest
Pace Project No.: 35625653

QC Batch: 722033 Analysis Method: SM 2520B Modified
QC Batch Method: SM 2520B Modified Analysis Description: Salinity Conductivity

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

METHOD BLANK: 3936062 Matrix: Water

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

Parameter Units Result Limit MDL Analyzed Qualifiers

Reporting

Salinity ppt 7.0 U 7.0 7.0 04/19/21 09:15

LABORATORY CONTROL SAMPLE: 3936063

Spike LCS LCS % Rec Parameter Conc. Result % Rec Limits Qualifiers Units Salinity 35 34.9 100 90-110 ppt

Blank

SAMPLE DUPLICATE: 3936064

Parameter Units Result Result RPD Qualifiers

Salinity ppt 7.0 U 7.0 U 5

SAMPLE DUPLICATE: 3936065

Date: 04/19/2021 05:21 PM

Parameter Units Salinity Dup Max Result Result RPD Qualifiers

7.0 U 7.0 U 5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35625653

QC Batch: 721012 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35625653001, 35625653002, 35625653003

METHOD BLANK: 3929581 Matrix: Water

Associated Lab Samples: 35625653001, 35625653002, 35625653003

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 5.0 04/14/21 15:25

LABORATORY CONTROL SAMPLE: 3929582

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units **Total Suspended Solids** mg/L 100 95.3 95 90-110

SAMPLE DUPLICATE: 3929583

Parameter Units Sesult Dup Max Result RPD Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 U 10 PP

SAMPLE DUPLICATE: 3929814

Date: 04/19/2021 05:21 PM

Parameter Units Result RPD Max Result RPD Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 U 10 PP

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35625653

QC Batch: 721276 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35625653004, 35625653005, 35625653006

METHOD BLANK: 3931136 Matrix: Water

Associated Lab Samples: 35625653004, 35625653005, 35625653006

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 5.0 04/15/21 14:27

LABORATORY CONTROL SAMPLE: 3931137

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units **Total Suspended Solids** mg/L 100 98.4 98 90-110

SAMPLE DUPLICATE: 3931138

Parameter Units Result Result RPD Max
Result RPD Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 U 10

SAMPLE DUPLICATE: 3931139

Date: 04/19/2021 05:21 PM

35625320002 Dup Max RPD RPD Parameter Units Result Result Qualifiers 159 156 2 10 **Total Suspended Solids** mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

Qualifiers



QUALITY CONTROL DATA

Project: Pinecrest
Pace Project No.: 35625653

QC Batch: 720883 Analysis Method: SM 5210B

QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day

Laboratory: Pace Analytical Services - South Florida
Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

METHOD BLANK: 3929002 Matrix: Water

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

Blank Reporting
Parameter Units Result Limit MDL Analyzed

BOD, 5 day mg/L 2.0 U 2.0 2.0 04/19/21 10:24

LABORATORY CONTROL SAMPLE: 3929004

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units BOD, 5 day mg/L 198 192 97 85-115

SAMPLE DUPLICATE: 3929005

Date: 04/19/2021 05:21 PM

 Parameter
 Units
 Result Result Result
 RPD
 Max RPD
 Qualifiers

 BOD, 5 day
 mg/L
 2.0 U
 2.0 U
 20
 20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

QC Batch: 721404 Analysis Method: SM 9222D

QC Batch Method: SM 9222D Analysis Description: 9222D MBIO Fecal Coliform

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

METHOD BLANK: 3931746 Matrix: Water

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

Blank Reporting

 Parameter
 Units
 Result
 Limit
 MDL
 Analyzed
 Qualifiers

 Fecal Coliforms
 CFU/100 mL
 1.0 U
 1.0 U
 1.0 04/14/21 15:57

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35625653

Chloride

Date: 04/19/2021 05:21 PM

QC Batch: 721338 Analysis Method:
QC Batch Method: EPA 300.0 Analysis Description:

Analysis Description: 300.0 IC Anions

EPA 300.0

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

METHOD BLANK: 3931470 Matrix: Water

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Chloride mg/L 2.5 U 5.0 2.5 04/17/21 16:58

LABORATORY CONTROL SAMPLE: 3931471

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units 50 49.0 98 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931472 3931473

MSD MS 35625356002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec **RPD** RPD Result % Rec Limits Qual 20 Chloride mg/L 26.8 50 50 73.3 80.8 93 108 90-110 10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931474 3931475

MS MSD 35623459001 MS MSD MS MSD % Rec Spike Spike Max **RPD** RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Chloride 50 50 16.5 67.9 68.0 103 103 0 20 mg/L 90-110

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

QC Batch: 721419 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

METHOD BLANK: 3931807 Matrix: Water

Associated Lab Samples: 35625653001, 35625653002, 35625653003, 35625653004, 35625653005, 35625653006

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Nitrogen, Ammonia mg/L 0.035 U 0.050 0.035 04/15/21 16:39

LABORATORY CONTROL SAMPLE: 3931808

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units Nitrogen, Ammonia 1.1 106 90-110 mq/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931810 3931809

MSD MS 35625365004 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec % Rec **RPD** RPD Result Conc. Limits Qual 0.035 U 20 Nitrogen, Ammonia mg/L 1 1.0 1.0 99 98 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931811 3931812

MS MSD 35625653005 % Rec MS MSD MS MSD Spike Spike Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.035 U 1 1 99 Nitrogen, Ammonia 0.99 0.98 98 0 20 mg/L 90-110

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Parameter

Date: 04/19/2021 05:21 PM

Nitrogen, Nitrite

QUALITY CONTROL DATA

Project: **Pinecrest** Pace Project No.: 35625653 QC Batch: 721144 Analysis Method: EPA 353.2 QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres. Laboratory: Pace Analytical Services - Ormond Beach Associated Lab Samples: 35625653006 METHOD BLANK: Matrix: Water Associated Lab Samples: 35625653006 Blank Reporting Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/15/21 06:10 Nitrogen, Nitrite 0.025 U 0.050 0.025 04/15/21 06:10 mg/L LABORATORY CONTROL SAMPLE: 3930667 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 104 90-110 mg/L MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930669 3930668 MS MSD 35625504002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 1 0.94 1.1 93 105 90-110 12 20 3930670 MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930671 MS MSD

MS

Result

4.5

MSD

Result

6.8

MS

% Rec

64

MSD

% Rec

109

% Rec

Limits

90-110

Max RPD

Qual

20 J(M1),

J(R1)

RPD

40

35625666002

Result

1.4

Units

mg/L

Spike

Conc.

5

Spike

Conc.

5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Date: 04/19/2021 05:21 PM

QUALITY CONTROL DATA

Project: **Pinecrest** Pace Project No.: 35625653 QC Batch: 721145 Analysis Method: EPA 353.2 QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres. Laboratory: Pace Analytical Services - Ormond Beach Associated Lab Samples: 35625653005 METHOD BLANK: Matrix: Water Associated Lab Samples: 35625653005 Blank Reporting Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/15/21 06:51 Nitrogen, Nitrite 0.025 U 0.050 0.025 04/15/21 06:51 mg/L LABORATORY CONTROL SAMPLE: 3930675 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 103 90-110 mg/L MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930677 3930676 MS MSD 35625504003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 1 1.1 1.1 106 105 90-110 20 3930678 MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930679 MS MSD 35625775001 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 1 1 1.0 1.0 20 Nitrogen, Nitrite < 0.025 98 98 90-110 0 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



EPA 353.2

Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

QC Batch: 721146 Analysis Method:

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35625653003, 35625653004

METHOD BLANK: 3930680 Matrix: Water

Associated Lab Samples: 35625653003, 35625653004

Blank Reporting Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/15/21 07:29 Nitrogen, Nitrite mg/L 0.025 U 0.050 0.025 04/15/21 07:29

LABORATORY CONTROL SAMPLE: 3930681

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 104 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930683 3930682 MS MSD 35625822001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 1 0.76 0.75 75 75 90-110 20 J(M1)

3930685 3930684 MATRIX SPIKE & MATRIX SPIKE DUPLICATE: MS MSD 35625822003 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.025 U 1 1 0.99 1.0 2 20 Nitrogen, Nitrite 98 99 90-110 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest Pace Project No.: 35625653

QC Batch: 721147

QC Batch Method: EPA 353.2

Analysis Method:

EPA 353.2

Analysis Description:

353.2 Nitrate + Nitrite, Unpres.

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35625653001, 35625653002

METHOD BLANK: 3930687

Date: 04/19/2021 05:21 PM

Matrix: Water

Associated Lab Samples: 35625653001, 35625653002

Blank Reporting

Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/15/21 10:24 Nitrogen, Nitrite mg/L 0.025 U 0.050 0.025 04/15/21 10:24

LABORATORY CONTROL SAMPLE: 3930688

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 102 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930690 3930689

MS MSD 35625516001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 1 1.1 1.1 104 105 90-110 0 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930692 3930691

MS MSD 35625573001 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.025 U 1 1 1.0 1.0 20 Nitrogen, Nitrite 102 103 90-110 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: Pinecrest
Pace Project No.: 35625653

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 04/19/2021 05:21 PM

1	The reported value is between the laborator	y method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

1p Growth of non-target organisms too numerous to count...

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS)

recovery.

J(R1) Estimated Value. RPD value was outside control limits.

PP The mass of dried residue obtained did not meet the test method requirements based on volume used.

V Indicates that the analyte was detected in both the sample and the associated method blank.

Z Too many colonies were present for accurate counting.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pinecrest
Pace Project No.: 35625653

Date: 04/19/2021 05:21 PM

\$625653001 MW1-30 SM 2540D 721012 \$625653002 MW1-50 SM 2540D 721012 \$625653003 MW1-70 SM 2540D 721012 \$625653004 MW1-30 SM 2540D 721012 \$625653004 MW1-30 SM 2540D 721276 \$625653005 MW1-50 SM 2540D 721276 \$625653006 MW1-70 SM 2540D 721276 \$625653006 MW1-30 SM 2540D 721276 \$625653006 MW1-30 SM 2540D 721276 \$625653002 MW1-30 SM 5210B 720883 SM 5210B 722040 \$625653002 MW1-70 SM 5210B 720883 SM 5210B 722040 \$625653003 MW1-70 SM 5210B 720883 SM 5210B 722040 \$625653004 MW1-30 SM 5210B 720883 SM 5210B 722040 \$625653005 MW1-4-30 SM 5210B 720883 SM 5210B 722040 \$625653006 MW1-4-30 SM 5210B 720883 SM 5210B 722040 \$625653006 MW1-4-0 SM 5210B 720883 SM 5210B 722040 \$625653006 MW1-70 SM 5210B 720883 SM 5210B 722040 \$625653007 MW1-70 SM 5210B 720883 SM 5210B 722040 \$625653001 MW1-70 SM 5210B 720883 SM 5210B 722040 \$625653001 MW1-70 SM 9222D 721404 SM 9222D 721405 \$625653002 MW1-70 SM 9222D 721404 SM 9222D 721405 \$625653003 MW1-70 SM 9222D 721404 SM 9222D 721405 \$625653004 MW4-30 SM 9222D 721404 SM 9222D 721405 \$625653005 MW4-80 SM 9222D 721404 SM 9222D 721405 \$625653006 MW4-70 SM 9222D 721404 SM 9222D 721405 \$625653006 MW4-70 SM 9222D 721404 SM 9222D 721405 \$625653001 MW1-70 SM 9222D 721404 SM 9222D 721405 \$625653001 MW1-70 SM 9222D 721404 SM 9222D 721405 \$625653001 MW1-80 SM 9222D 721405 \$625653001 MW	Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytic Batch
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5625653006 MW4-70 EPA 353.2 721144	5625653005	MW4-50	EPA 353.2	721145		
	5625653006	MW4-70	EPA 353.2	721144		

MO#: 35625653

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

(V/N) SAMPLE CONDITIONS (N/A) Cooler ŏ pelees Regulatory Agency State / Location (N/Y) ab Ź Received on Residual Chlorine (Y/N) 22 TEMP in C 1625 TIME 4/13/2 2540D TSS DATE Signed: -/ Fecal Coliform MF 350.1Ammonia christina raschke@pacelabs.com, 2210B BOD CI, NO2, NO3 Salinity Analyses Test N/A Ofher Methanol Preservatives Na2S203 HOBN 16027 Pace Project Manager: нсі Invoice Information: еоин Сотрапу Name: Pace Profile #: 000 Pace Quote: Section C Address: Attention: TIME Unpreserved # OF CONTAINERS O SAMPLER NAME AND SIGNATURE 4/13/21 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 113/2 000 1219 F 033 TIME END DATE COLLECTED RELINQUISHED BY LAFFILLATION TIME START DATE Required Project Information: Pinecrest Report To: David Taylor (G=GRAB C=COMP) 34YT 3J4MA2 Purchase Order #: MATRIX CODE (see valid codes to left) roject Name: Copy To: roject #: CODE WY WY SI SI OL AR AR TS MATRIX
Drinking Water
Waster
Waster
Waste Water
Product
Soli/Solid
Oil
Wipe
Air
Other ADDITIONAL COMMENTS (A-Z, 0-9 / , -) Sample Ids must be unique One Character per box. SAMPLE ID 20 30 9500 S Dadeland Blvd 0 Email: dtaylor@scsengineers.com l Company: SCS Engineers Required Client Information: (305)412-8185 Ì t ナ MM 33 37 3 37 Requested Due Date Miami, FL 33156 Address: Phone: 10 12 1 # M3TI Page 35 of 37



Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13

Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #

Project Manager:

Project Manager Review:

Due Date: 04/19/21

Date and Initials of person:

Examining contents:_ Label:

Client: 35-363_Le	Deliver:
Thermometer Used:	1113121 Time: 2350 Initials: CJA
State of Origin:	For WV projects, all containers verified to ≤6 °C
Cooler #1 Temp.*C 21 (Visual) +0(1 (Correction F	actor) Z1Z (Actual) Samples on ice, cooling process has begun
Cooler #2 Temp.°C(Visual)(Correction F	
Cooler #3 Temp.°C(Visual)(Correction F	
Cooler #4 Temp.°C(Visual)(Correction F	
Cooler #5 Temp. °C(Visual)(Correction F	
Cooler #6 Temp. °C(Visual)(Correction F	
-	
Courier: Fed Ex UPS USPS Client	
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐	☐ Standard Overnight ☐ Ground ☐ International Priority
□ Other	
Billing: ☐ Recipient ☐ Sender ☐ Third	Party
Tracking #	
Custody Seal on Cooler/Box Present: Yes No	Seals intact: Yes No Ice: Wet Blue Dry None
Packing Material: Bubble Wrap Bubble Bags Non	e Other
Samples shorted to lab (If Yes, complete) Shorted Da	te:
	Comments:
Chain of Custody Present	
Chain of Custody Filled Out	
Relinquished Signature & Sampler Name COC	
	lo □N/A
	lo □N/A
0 (5) 1111	lo 🗆N/A
2 12 11 11 1	lo □N/A
Containers Intact	
Sample Labels match COC (sample IDs & date/time of	
All containers needing acid/base preservation have been	
checked. All Containers needing preservation are found to be in	o □N/A Preservation Information:
compliance with EPA recommendation:	Lot #/Trace #: Date: Time:
Exceptions: VOA, Coliform, TOC, O&G, Carbamates	Initials:
	o DN/A
Trip Blank Present:	6 □N/A
Client Notification/ Resolution:	
Person Contacted:	Date/Time:
Comments/ Resolution (use back for additional comments):	
V = 400 Sett VALUE - 15 100 V	And the Control of th

Date:

Page 36 of 37



Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13

Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #

Project # 🔼	U#:350Z50	<u> </u>	Date and Initials of person:
	: CTR Due Date	2: 04/19/21	Examining contents: Label: Deliver:
	*		рН:
Thermometer Used: 1343	Date: 4/13	/2 i Time: _	1645 Initials: _ lc
State of Origin:	For W	/ projects, all containers	verified to ≤6 °C
Cooler#1 Temp.°C <u>IO·(</u> (Visual)	O.O (Correction Factor)	10 · \ (Actual)	Samples on ice, cooling process has begin
Cooler #2 Temp.°C(Visual) _	(Correction Factor)	(Actual)	Samples on ice, cooling process has begi
Cooler #3 Temp.°C(Visual) _	(Correction Factor)	(Actual)	Samples on ice, cooling process has begu
Cooler #4 Temp.°C(Visual) _	(Correction Factor)	(Actual)	Samples on ice, cooling process has begu
Cooler #5 Temp. °C(Visual) _			Samples on ice, cooling process has begu
Cooler #6 Temp.°C(Visual)	(Correction Factor)	(Actual)	Samples on ice, cooling process has begu
Courier: Fed Ex UPS	USPS Client C	commercial Pag	Other
	☐ Priority Overnight ☐ Standar		
☐ OtherBilling: ☐ Recipient ☐	Sender Third Party	☐ Credit Card	☐ Unknown
Tracking #	,		
	□Yes □No Seals	Intact: 🗌 Yes 🛂 N	lo Ice: (Wet) Blue Dry None
		Other	
Samples shorted to lab (If Yes, complete			norted Time: Qty:
	-	Comments:	
Chain of Custody Present	∐Yes □ No □N/A	Comments.	
Chain of Custody Filled Out	⊕Yes □ No □N/A		
Relinquished Signature & Sampler Name C	OC Series I No IN/A		
Samples Arrived within Hold Time	□Yes □ No □N/A		
Rush TAT requested on COC	□Yes ☑No □N/A		
Sufficient Volume	□Yes □ No □N/A		
Correct Containers Used	□Yes □ No □N/A		
Containers Intact	□Yes □ No □N/A		
Sample Labels match COC (sample IDs & date/til collection)	□Yes □ No □N/A		
All containers needing acid/base preservation has checked.	/e been ☐Yes ☐ No ☐N/A	* #27400000	Preservation Information:
All Containers needing preservation are found to compliance with EPA recommendation:	be in	Lot #/Tra	ce#:
Exceptions: VOA, Coliform, TOC	☐Yes ☐ No ☐N/A	Date: Initials:	Time:
Headspace in VOA Vials? (>6mm):	□Yes □ No □N/A	7.000000000000000000000000000000000000	
rip Blank Present:	□Yes □ No □N/A		
Client Notification/ Resolution: Person Contacted:		Date/Time:	
Comments/ Resolution (use back for addi			
Project Manager Review:			Date:





April 21, 2021

Dave Atteberry SCS Engineers - Jacksonville, FL 14785 Old St. Augustine Road Suite 300 Jacksonville, FL 32258

RE: Project: Pinecrest

Pace Project No.: 35626037

Dear Dave Atteberry:

Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- · Pace Analytical Services Ormond Beach
- · Pace Analytical Services South Florida

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

Sincerely,

Christina Raschke christina.raschke@pacelabs.com (954)582-4300 Project Manager

Monther Darable

Enclosures

cc: Claudia Pineda, SCS Engineers Troy Schick, SCS Engineers





CERTIFICATIONS

Project: Pinecrest
Pace Project No.: 35626037

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Arizona Certification# AZ0819

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079 Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383 Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007

Maryland Certification: #346 Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14 New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710 North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services South Florida

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240



SAMPLE SUMMARY

Project: Pinecrest Pace Project No.: 35626037

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35626037001	MW2-30	Water	04/14/21 13:10	04/14/21 15:41
35626037002	MW2-50	Water	04/14/21 12:35	04/14/21 15:41
35626037003	MW2-70	Water	04/14/21 12:00	04/14/21 15:41
35626037004	MW3-30	Water	04/14/21 11:10	04/14/21 15:41
35626037005	MW3-50	Water	04/14/21 10:35	04/14/21 15:41
35626037006	MW3-70	Water	04/14/21 10:00	04/14/21 15:41



SAMPLE ANALYTE COUNT

Project: Pinecrest Pace Project No.: 35626037

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35626037001	MW2-30	SM 2520B Modified	LTP	1	PASI-SF
		SM 2540D	GDV	1	PASI-SF
		SM 5210B	JRL	1	PASI-SF
		SM 9222D	OT1	1	PASI-SF
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	2	PASI-O
35626037002	MW2-50	SM 2520B Modified	LTP	1	PASI-SF
		SM 2540D	GDV	1	PASI-SF
		SM 5210B	JRL	1	PASI-SF
		SM 9222D	OT1	1	PASI-SF
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	2	PASI-O
35626037003	MW2-70	SM 2520B Modified	LTP	1	PASI-SF
		SM 2540D	GDV	1	PASI-SF
		SM 5210B	JRL	1	PASI-SF
		SM 9222D	OT1	1	PASI-SF
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	2	PASI-O
35626037004	MW3-30	SM 2520B Modified	LTP	1	PASI-SF
		SM 2540D	GDV	1	PASI-SF
		SM 5210B	JRL	1	PASI-SF
		SM 9222D	OT1	1	PASI-SF
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RMB	2	PASI-O
35626037005	MW3-50	SM 2520B Modified	LTP	1	PASI-SF
		SM 2540D	GDV	1	PASI-SF
		SM 5210B	JRL	1	PASI-SF
		SM 9222D	OT1	1	PASI-SF
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	2	PASI-O
35626037006	MW3-70	SM 2520B Modified	LTP	1	PASI-SF



SAMPLE ANALYTE COUNT

Project: Pinecrest Pace Project No.: 35626037

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5210B	JRL	1	PASI-SF
		SM 9222D	OT1	1	PASI-SF
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RMB	2	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach PASI-SF = Pace Analytical Services - South Florida



Project: Pinecrest
Pace Project No.: 35626037

Method: SM 2520B Modified
Description: Salinity by Conductivity
Client: SCS Engineers
Date: April 21, 2021

General Information:

6 samples were analyzed for SM 2520B Modified by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:



Project: Pinecrest
Pace Project No.: 35626037

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: SCS Engineers

Date: April 21, 2021

General Information:

6 samples were analyzed for SM 2540D by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 721276

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

- MW2-30 (Lab ID: 35626037001)
 - Total Suspended Solids
- MW2-50 (Lab ID: 35626037002)
 - Total Suspended Solids
- MW2-70 (Lab ID: 35626037003)
 - Total Suspended Solids



Project: Pinecrest Pace Project No.: 35626037

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: SCS Engineers

Date: April 21, 2021

Analyte Comments: QC Batch: 721276

PP: The mass of dried residue obtained did not meet the test method requirements based on volume used.

MW3-30 (Lab ID: 35626037004)
Total Suspended Solids
MW3-50 (Lab ID: 35626037005)
Total Suspended Solids

MW3-70 (Lab ID: 35626037006)Total Suspended Solids



Project: Pinecrest
Pace Project No.: 35626037

Method: SM 5210B

Description: 5210B BOD, 5 day
Client: SCS Engineers
Date: April 21, 2021

General Information:

6 samples were analyzed for SM 5210B by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 721317

J(L2): Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

• LCS (Lab ID: 3931379)

• BOD, 5 day

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:



Project: Pinecrest
Pace Project No.: 35626037

Method: SM 9222D

Description: 9222D Fecal Coliform
Client: SCS Engineers
Date: April 21, 2021

General Information:

6 samples were analyzed for SM 9222D by Pace Analytical Services South Florida. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with SM 9222D with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 721657

1p: Confluent growth of non-target organisms.

- MW2-30 (Lab ID: 35626037001)
 - Fecal Coliforms
- MW3-30 (Lab ID: 35626037004)
 - Fecal Coliforms



Project: Pinecrest Pace Project No.: 35626037

Method: SM 9222D

Description:9222D Fecal ColiformClient:SCS EngineersDate:April 21, 2021

Analyte Comments:

QC Batch: 721657

Z: Too many colonies were present for accurate counting.

• MW2-30 (Lab ID: 35626037001)

Fecal Coliforms

• MW3-30 (Lab ID: 35626037004)

• Fecal Coliforms



Project: Pinecrest
Pace Project No.: 35626037

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: SCS Engineers

Date: April 21, 2021

General Information:

6 samples were analyzed for EPA 300.0 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:



Project: Pinecrest
Pace Project No.: 35626037

Method:EPA 350.1Description:350.1 AmmoniaClient:SCS EngineersDate:April 21, 2021

General Information:

6 samples were analyzed for EPA 350.1 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 722106

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 35625673003,35625870001

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 3936184)
 - Nitrogen, Ammonia
- MSD (Lab ID: 3936183)
 - Nitrogen, Ammonia

Additional Comments:



Project: Pinecrest
Pace Project No.: 35626037

Method: EPA 353.2

Description: 353.2 Nitrogen, NO2/NO3 unpres

Client: SCS Engineers

Date: April 21, 2021

General Information:

6 samples were analyzed for EPA 353.2 by Pace Analytical Services Ormond Beach. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Q: Sample held beyond the accepted holding time. Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.

• MW3-30 (Lab ID: 35626037004)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 721586

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 35626313001,35626330001 J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

MS (Lab ID: 3933933)Nitrogen, NitriteMSD (Lab ID: 3933932)

· Nitrogen, Nitrite

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

Sample: MW2-30	Lab ID:	35626037001	Collected	: 04/14/21	13:10	Received: 04/	14/21 15:41 Ma	trix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	,	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:33		
2540D Total Suspended Solids	•	Method: SM 25 ytical Services		da					
Total Suspended Solids	5.4	mg/L	5.0	5.0	1		04/15/21 14:28		PP
5210B BOD, 5 day	•	Method: SM 52 ytical Services		da					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/15/21 15:37	04/20/21 11:01		J(L2)
9222D Fecal Coliform	•	Method: SM 92 ytical Services	•		od: SM	1 9222D			
Fecal Coliforms	No result	CFU/100 mL	1.0	1.0	1	04/14/21 17:03	04/15/21 15:16		1p,Z
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		each					
Chloride	103	mg/L	25.0	12.5	5		04/20/21 03:31	16887-00-6	
350.1 Ammonia	•	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/19/21 14:14	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.029 I 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/16/21 12:56 04/16/21 12:56		



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

Sample: MW2-50	Lab ID:	35626037002	Collected:	04/14/21	12:35	Received: 04/	/14/21 15:41 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	,	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:36		
2540D Total Suspended Solids	,	Method: SM 25 ytical Services		da					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:28		PP
5210B BOD, 5 day		Method: SM 52 ytical Services		da					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/15/21 15:56	04/20/21 11:16		J(L2)
9222D Fecal Coliform	•	Method: SM 92 ytical Services	•		nod: SM	9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/14/21 17:03	04/15/21 15:16		
300.0 IC Anions 28 Days	,	Method: EPA 3 ytical Services		each					
Chloride	111	mg/L	25.0	12.5	5		04/20/21 03:53	16887-00-6	
350.1 Ammonia	,	Method: EPA 3 ytical Services		ach					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/19/21 14:16	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	,	Method: EPA 3 ytical Services		ach					
Nitrogen, Nitrate Nitrogen, Nitrite	0.79 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/16/21 11:41 04/16/21 11:41		



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

Sample: MW2-70	Lab ID:	35626037003	Collected	d: 04/14/2	12:00	Received: 04/	/14/21 15:41 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:37		
2540D Total Suspended Solids	•	Method: SM 29 ytical Services		rida					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:28		PP
5210B BOD, 5 day	•	Method: SM 52 ytical Services		rida					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/15/21 16:00	04/20/21 11:20		J(L2)
9222D Fecal Coliform	•	Method: SM 92 ytical Services	•		nod: SM	1 9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/14/21 17:03	04/15/21 15:16		
300.0 IC Anions 28 Days	•	Method: EPA 3		each					
Chloride	169	mg/L	25.0	12.5	5		04/20/21 04:15	16887-00-6	
350.1 Ammonia	•	Method: EPA 3		each					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/19/21 14:17	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	0.025 U 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/16/21 11:26 04/16/21 11:26	14797-55-8 14797-65-0	



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

Sample: MW3-30	Lab ID:	35626037004	Collected:	04/14/2	11:10	Received: 04/	/14/21 15:41 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	,	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:39		
2540D Total Suspended Solids	,	Method: SM 25 ytical Services		da					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:28		PP
5210B BOD, 5 day		Method: SM 52 ytical Services		da					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/15/21 16:02	04/20/21 11:28		J(L2)
9222D Fecal Coliform	•	Method: SM 92 ytical Services	•		nod: SM	9222D			
Fecal Coliforms	No result (CFU/100 mL	1.0	1.0	1	04/14/21 17:03	04/15/21 15:16		1p,Z
300.0 IC Anions 28 Days	,	Method: EPA 3 ytical Services		each					
Chloride	88.1	mg/L	10.0	5.0	2		04/20/21 04:37	16887-00-6	
350.1 Ammonia	,	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.20	mg/L	0.050	0.035	1		04/19/21 14:19	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	,	Method: EPA 3 ytical Services		ach					
Nitrogen, Nitrate Nitrogen, Nitrite	2.0 1.2	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/16/21 15:17 04/16/21 15:17		Q Q



Project: Pinecrest Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

Sample: MW3-50	Lab ID:	35626037005	Collected	: 04/14/21	10:35	Received: 04/	14/21 15:41 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:40		
2540D Total Suspended Solids	•	Method: SM 25 ytical Services		ida					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:28		PP
5210B BOD, 5 day	•	Method: SM 52 ytical Services		ida					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/15/21 16:04	04/20/21 11:30		J(L2)
9222D Fecal Coliform	•	Method: SM 92 ytical Services			od: SM	1 9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/14/21 17:03	04/15/21 15:16		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		each					
Chloride	92.7	mg/L	25.0	12.5	5		04/20/21 05:00	16887-00-6	
350.1 Ammonia	•	Method: EPA 3 ytical Services		each					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/19/21 14:21	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		each					
Nitrogen, Nitrate Nitrogen, Nitrite	2.5 0.025 U	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/16/21 10:29 04/16/21 10:29		



Project: Pinecrest Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

Sample: MW3-70	Lab ID:	35626037006	Collected	d: 04/14/2	1 10:00	Received: 04/	/14/21 15:41 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Salinity by Conductivity	•	Method: SM 25 ytical Services							
Salinity	7.0 U	ppt	7.0	7.0	1		04/19/21 09:41		
2540D Total Suspended Solids	,	Method: SM 25 ytical Services		rida					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		04/15/21 14:28		PP
5210B BOD, 5 day	•	Method: SM 52 ytical Services		rida					
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	04/15/21 16:09	04/20/21 11:33		J(L2)
9222D Fecal Coliform	•	Method: SM 92 ytical Services	•		nod: SM	1 9222D			
Fecal Coliforms	1.0 U (CFU/100 mL	1.0	1.0	1	04/14/21 17:03	04/15/21 15:16		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		seach					
Chloride	118	mg/L	25.0	12.5	5		04/20/21 05:22	16887-00-6	
350.1 Ammonia	,	Method: EPA 3 ytical Services		seach					
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		04/19/21 14:22	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	•	Method: EPA 3 ytical Services		seach					
Nitrogen, Nitrate Nitrogen, Nitrite	0.96 0.035 I	mg/L mg/L	0.050 0.050	0.025 0.025	1 1		04/15/21 21:38 04/15/21 21:38		



Project: Pinecrest
Pace Project No.: 35626037

QC Batch: 722033 Analysis Method: SM 2520B Modified
QC Batch Method: SM 2520B Modified Analysis Description: Salinity Conductivity

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

METHOD BLANK: 3936062 Matrix: Water

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Salinity ppt 7.0 U 7.0 7.0 04/19/21 09:15

LABORATORY CONTROL SAMPLE: 3936063

Spike LCS LCS % Rec Parameter Conc. Result % Rec Limits Qualifiers Units Salinity 35 34.9 100 90-110 ppt

SAMPLE DUPLICATE: 3936064

Parameter Units Result Result RPD Qualifiers

Salinity ppt 7.0 U 7.0 U 5

SAMPLE DUPLICATE: 3936065

Date: 04/21/2021 08:24 PM

Parameter Units Result Result RPD Qualifiers

Salinity ppt 7.0 U 7.0 U 55

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35626037

QC Batch: 721276 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

METHOD BLANK: 3931136 Matrix: Water

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

Blank Reporting

Parameter Units Result Limit MDL Analyzed Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 5.0 04/15/21 14:27

LABORATORY CONTROL SAMPLE: 3931137

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units **Total Suspended Solids** 100 98.4 98 90-110 mg/L

SAMPLE DUPLICATE: 3931138

Parameter Units Result Result RPD Max
Result RPD Qualifiers

Total Suspended Solids mg/L 5.0 U 5.0 U 10

SAMPLE DUPLICATE: 3931139

Date: 04/21/2021 08:24 PM

35625320002 Dup Max RPD RPD Parameter Units Result Result Qualifiers 159 156 2 10 **Total Suspended Solids** mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

Qualifiers



QUALITY CONTROL DATA

Project: Pinecrest
Pace Project No.: 35626037

QC Batch: 721317 Analysis Method: SM 5210B

QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

METHOD BLANK: 3931377 Matrix: Water

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

Blank Reporting
Parameter Units Result Limit MDL Analyzed

BOD, 5 day mg/L 2.0 U 2.0 2.0 04/20/21 10:48

LABORATORY CONTROL SAMPLE: 3931379

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units BOD, 5 day mg/L 198 160 81 85-115 J(L2)

SAMPLE DUPLICATE: 3931380

Date: 04/21/2021 08:24 PM

 Parameter
 Units
 Result Result Result RPD
 Max RPD
 Qualifiers

 BOD, 5 day
 mg/L
 2.0 U
 2.0 U
 20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

QC Batch: 721657 Analysis Method: SM 9222D

QC Batch Method: SM 9222D Analysis Description: 9222D MBIO Fecal Coliform

Laboratory: Pace Analytical Services - South Florida

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

METHOD BLANK: 3933574 Matrix: Water

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

Blank Reporting

ParameterUnitsResultLimitMDLAnalyzedQualifiersFecal ColiformsCFU/100 mL1.0 U1.0 U1.0 04/15/21 15:16

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

QC Batch: 722261 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

METHOD BLANK: 3936882 Matrix: Water

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Chloride mg/L 2.5 U 5.0 2.5 04/20/21 00:34

LABORATORY CONTROL SAMPLE: 3936883

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units Chloride 48.9 98 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936884 3936885

MSD MS 50283965001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec **RPD** RPD Qual Result Limits 2.9 I 20 Chloride mg/L 50 50 49.5 49.5 93 93 90-110 0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest
Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

QC Batch: 722106 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

METHOD BLANK: 3936181 Matrix: Water

Associated Lab Samples: 35626037001, 35626037002, 35626037003, 35626037004, 35626037005, 35626037006

 Blank
 Reporting

 Parameter
 Units
 Result
 Limit
 MDL
 Analyzed
 Qualifiers

 mmonia
 mg/L
 0.035 U
 0.050
 0.035 04/19/21 13:34

Nitrogen, Ammonia mg/L 0.035 U 0.050 0.035 04/19/21 13:34

LABORATORY CONTROL SAMPLE: 3936182

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units Nitrogen, Ammonia 1.1 108 90-110 mq/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936184 3936183

MSD MS 35625673003 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec **RPD** RPD Result Conc. % Rec Limits Qual 5 40.8 20 J(M1) Nitrogen, Ammonia mg/L 36.4 5 40.8 87 88 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936185 3936186

MS MSD 35625870001 % Rec MS MSD MS MSD Spike Spike Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.035 U 1 1 1.0 1.0 Nitrogen, Ammonia 100 100 20 mg/L 90-110

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Nitrogen, Nitrite

Date: 04/21/2021 08:24 PM

QUALITY CONTROL DATA

Project: Pinecrest Pace Project No.: 35626037 QC Batch: 721490 Analysis Method: EPA 353.2 QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres. Laboratory: Pace Analytical Services - Ormond Beach Associated Lab Samples: 35626037006 METHOD BLANK: Matrix: Water Associated Lab Samples: 35626037006 Blank Reporting Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/15/21 21:02 Nitrogen, Nitrite 0.025 U 0.050 0.025 04/15/21 21:02 mg/L LABORATORY CONTROL SAMPLE: 3932564 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 102 90-110 mg/L MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3932566 3932565 MS MSD 35626071002 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 1 1.1 1.0 104 103 90-110 20 3932568 3932567 MATRIX SPIKE & MATRIX SPIKE DUPLICATE: MS MSD 35626199002 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual

1

1.0

1.1

101

104

90-110

0.025 U

mg/L

1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

2 20



Date: 04/21/2021 08:24 PM

QUALITY CONTROL DATA

Project: Pinecrest Pace Project No.: 35626037 QC Batch: 721586 Analysis Method: EPA 353.2 QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres. Laboratory: Pace Analytical Services - Ormond Beach Associated Lab Samples: 35626037005 METHOD BLANK: Matrix: Water Associated Lab Samples: 35626037005 Blank Reporting Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/16/21 14:29 Nitrogen, Nitrite 0.025 U 0.050 0.025 04/16/21 14:29 mg/L LABORATORY CONTROL SAMPLE: 3933172 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 0.95 95 90-110 mg/L MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933933 3933932 MS MSD 35626313001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 0.45 0.42 45 42 90-110 20 J(M1) 3933944 3933943 MATRIX SPIKE & MATRIX SPIKE DUPLICATE: MS MSD 35626330001 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.060 1 1 20 Nitrogen, Nitrite 1.1 1.1 103 103 90-110 0 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest Pace Project No.: 35626037

QC Batch: 721629

Analysis Method:

EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description:

353.2 Nitrate + Nitrite, Unpres.

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35626037003, 35626037004

METHOD BLANK: 3933402 Associated Lab Samples: 3

Date: 04/21/2021 08:24 PM

Matrix: Water

35626037003, 35626037004

Blank Reporting

Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/16/21 15:08 Nitrogen, Nitrite mg/L 0.025 U 0.050 0.025 04/16/21 15:08

LABORATORY CONTROL SAMPLE: 3933403

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 101 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933866 3933865 MS MSD

35626309001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 1.3 1 2.3 2.3 98 97 90-110 0 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933869 3933868

MS MSD 35626307002 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.025 U 1 1 1.0 1.0 20 Nitrogen, Nitrite 103 105 90-110 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: Pinecrest Pace Project No.: 35626037

QC Batch:

721631

QC Batch Method: EPA 353.2 Analysis Method:

EPA 353.2

Analysis Description:

353.2 Nitrate + Nitrite, Unpres.

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35626037001, 35626037002

METHOD BLANK: Associated Lab Samples:

Date: 04/21/2021 08:24 PM

Matrix: Water

35626037001, 35626037002

Blank Reporting Limit MDL Qualifiers Parameter Units Result Analyzed Nitrogen, Nitrate mg/L 0.025 U 0.050 0.025 04/16/21 15:49 Nitrogen, Nitrite mg/L 0.025 U 0.050 0.025 04/16/21 15:49

LABORATORY CONTROL SAMPLE: 3933409

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Nitrite 1.0 101 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933847 3933846

MS MSD 35626117001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Nitrogen, Nitrite mg/L 0.025 U 1 1.1 1.0 104 103 90-110 2 20

3933849 3933848 MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

MS MSD 35626402005 MS MSD MS MSD Spike Spike % Rec Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.025 U 1 1 1.0 20 Nitrogen, Nitrite 1.1 105 104 90-110 0 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: Pinecrest
Pace Project No.: 35626037

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 04/21/2021 08:24 PM

1	The reported value is between the laborator	y method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

1p Confluent growth of non-target organisms.

J(L2) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

PP The mass of dried residue obtained did not meet the test method requirements based on volume used.

Q Sample held beyond the accepted holding time. Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.

Z Too many colonies were present for accurate counting.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pinecrest Pace Project No.: 35626037

Date: 04/21/2021 08:24 PM

SECE 037002 MW2-70 SM 5210B 721317 SM 5210B 722364	Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
SB268037002 MW2-50 SM 2520B Modified 722033 SM 25208 SM 2520B Modified 722033 SM 25208 Modified 722034 SM 25208 Modified 722034 SM 25208 Modified 722034 SM 25208 Modified 721276 SM 25208 Modified 721276 SM 25208 SM 25200 721276 SM 25200 721276 SM 25200 721276 SM 25200 MW2-30 SM 25400 721276 SM 25200 MW3-30 SM 25400 721276 SM 25200 MW3-30 SM 25400 721276 SM 25208 MW2-30 SM 25208 721317 SM 25108 722364 S626837002 MW2-30 SM 25208 721317 SM 25108 722364 S626837003 MW2-70 SM 25108 721317 SM 25108 722364 S626837004 MW3-30 SM 25108 721317 SM 25108 722364 S626837004 MW3-30 SM 25108 721317 SM 25108 722364 S626837006 MW3-70 SM 25108 721317 SM 25108 722364 S626837004 MW3-30 SM 25200 721657 SM 25200 721658 S626837000 MW2-30 SM 25200 721657 SM 25200 721658 S626837000 MW2-30 SM 25200 721657 SM 25200 721658 S626837000 MW3-30 SM 25200 721657 SM 25200 721658 S626837004 MW3-30 SM 25200 722264 S626837004 MW3-30 SM 25200 SM 25200 722264 S626837004 MW3-30 SM 25200	35626037001	MW2-30	SM 2520B Modified	722033		
SISSE_BEST_0003						
ISBZEB037004 MW3-30						
S826837006 MW3-50 SM 2520B Modified 722033 S626037006 MW3-70 SM 2520B Modified 722033 S626037001 MW2-30 SM 2540D 721276 SM 2520B Modified 722076 SM 2540D 721276 SM 2520D MW2-50 SM 2540D 721276 SM 2520D MW3-30 SM 2540D 721276 SM 2540D 721377 SM 2540B 722364 S626037002 MW2-50 SM 5210B 721317 SM 5210B 722364 S626037003 MW2-70 SM 5210B 721317 SM 5210B 722364 S626037004 MW3-30 SM 5210B 721317 SM 5210B 722364 S626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 S626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 S626037006 MW2-70 SM 5210B 721317 SM 5210B 722364 S626037001 MW2-50 SM 9222D 721667 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-30 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-30 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-50 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-50 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-50 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-70 SM 9222D 721667 SM 9222D 721668 S626037004 MW3-30 SPA 300.0 722261 S626037004 MW3-30 SPA 350.1 722106 S626037004						
SEGEOSTOOL MW2-30						
SESCE037002 MW2-50 SM 2540D 721276 SM 2540D 721317 SM 2540B 722364 SM 252037002 MW2-50 SM 2510B 721317 SM 2510B 722364 SM 2526037003 MW2-70 SM 2510B 721317 SM 2510B 722364 SM 2566037004 MW3-30 SM 2510B 721317 SM 2510B 722364 SM 2566037005 MW3-50 SM 2510B 721317 SM 2510B 722364 SM 2566037005 MW3-70 SM 2510B 721317 SM 2510B 722364 SM 2566037005 MW3-70 SM 2510B 721317 SM 2510B 722364 SM 2566037001 MW2-30 SM 2510B 721317 SM 2510B 722364 SM 2566037002 MW2-50 SM 2522D 721657 SM 2522D 721658 SM 2566037002 MW2-50 SM 2522D 721657 SM 2522D 721658 SM 2566037003 MW2-70 SM 2522D 721657 SM 2522D 721658 SM 2566037004 MW3-30 SM 2522D 721657 SM 2522D 721658 SM 2566037005 MW3-50 SM 2522D 721657 SM 2522D 721658 SM 2566037005 MW3-50 SM 2522D 721658 SM 2522D 721658 SM 2566037005 MW3-70 SM 2522D 721658 SM 2522D 721658 SM 2566037005 MW3-70 SM 2522D 721657 SM 2522D 721658 SM 2566037005 MW3-70 SM 2522D 721657 SM 2522D 721658 SM 2566037004 MW3-30 SPA 300.0 722261 SM 25200 T21658 SM 2566037004 MW3-30 SPA 300.0 722261 SM 2520D T21658 SM 2566037004 MW3-50 SPA 350.1 722106 SM 2566037004 MW3-50 SPA 350.1 72210						
SESEBOSTOOS MW2-70	5626037001	MW2-30	SM 2540D	721276		
SECRETORIOS MW3-30 SM 2540D 721276 SM 2540D 721317 SM 2510B 722364 SM 25626037002 MW2-50 SM 5210B 721317 SM 5210B 722364 SM 2526037003 MW2-70 SM 5210B 721317 SM 5210B 722364 SM 2526037004 MW3-30 SM 5210B 721317 SM 5210B 722364 SM 25626037005 MW3-50 SM 5210B 721317 SM 5210B 722364 SM 25626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 SM 25626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 SM 25626037001 MW2-30 SM 9222D 721657 SM 9222D 721658 SM 25626037002 MW2-50 SM 9222D 721657 SM 9222D 721658 SM 25626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 SM 25626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 SM 25626037005 MW3-50 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 SM 25626037006 MW3-70 SM 2500 SM 25	35626037002	MW2-50	SM 2540D	721276		
	5626037003	MW2-70	SM 2540D	721276		
SB626037006 MW3-70 SM 2540D 721276 SM 5210B 722364 SB626037001 MW2-50 SM 5210B 721317 SM 5210B 722364 SB626037002 MW2-70 SM 5210B 721317 SM 5210B 722364 SB626037004 MW3-30 SM 5210B 721317 SM 5210B 722364 SB626037005 MW3-50 SM 5210B 721317 SM 5210B 722364 SB626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 SB626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 SB626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 SB626037001 MW2-30 SM 9222D 721657 SM 9222D 721658 SB626037002 MW2-50 SM 9222D 721657 SM 9222D 721658 SB626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 SB626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 SB626037006 MW3-70 SM 9222D 721658 SB626037002 MW2-30 SM 9222D 721658 SB626037002 MW2-30 SM 9222D 721658 SB626037004 MW3-30 SPA 300.0 722261 SB626037004 MW3-30 SPA 300.0 722261 SB626037004 MW3-30 SPA 300.0 722261 SB626037005 MW3-50 SPA 300.0 722261 SB626037006 MW3-70 SPA 300.0 722261 SB626037006 MW3-70 SPA 300.0 722261 SB626037006 MW3-70 SPA 300.1 722106 SB626037006 MW3-70 SPA 350.1 722106 SB626037006 MW3-70 SPA 350.1 722106 SB626037006 MW3-70 SPA 350.1 722106 SB626037006 MW3-30 SPA 350.1 722106 SB626037006 MW3-70 SPA 350.2 721631 SB626037004 MW3-30 SPA 350.2 721631 SB	5626037004	MW3-30	SM 2540D	721276		
SEC\$ SEC\$	5626037005	MW3-50	SM 2540D	721276		
18526037002 MW2-50 SM 5210B 721317 SM 5210B 722364 18526037003 MW2-70 SM 5210B 721317 SM 5210B 722364 18526037004 MW3-30 SM 5210B 721317 SM 5210B 722364 18526037005 MW3-50 SM 5210B 721317 SM 5210B 722364 18526037006 MW3-70 SM 5210B 721317 SM 5210B 722364 18526037001 MW2-30 SM 5210B 721317 SM 5210B 722364 18526037002 MW2-50 SM 9222D 721657 SM 9222D 721658 18526037003 MW2-70 SM 9222D 721657 SM 9222D 721658 18526037004 MW3-30 SM 9222D 721657 SM 9222D 721658 18526037006 MW3-70 SM 9222D 721657 SM 9222D 721658 18526037006 MW3-70 SM 9222D 721657 SM 9222D 721658 18526037006 MW3-70 SM 9222D 721657 SM 9222D 721658 18526037001 MW2-30 EPA 300.0 722261 SM 9222D 721658 18526037004 MW3-30 EPA 300.0 722261 SM 9222D 721658 18526037004 MW3-30 EPA 300.0 722261 SM 9222D SM 9222D SM 9222D 721658 18526037004 MW3-30 EPA 300.0 722261 SM 9222D SM 9222	5626037006	MW3-70	SM 2540D	721276		
SECENTIFIED SM 5210B T21317	35626037001	MW2-30	SM 5210B	721317	SM 5210B	722364
SECENTIFIED SM 5210B 721317 SM 5210B 722364	35626037002	MW2-50	SM 5210B	721317	SM 5210B	722364
SECENTIFIED SM 5210B T21317 SM 5210B T22364	5626037003	MW2-70	SM 5210B	721317	SM 5210B	722364
85626037006 MW3-70 SM 5210B 721317 SM 5210B 722364 85626037001 MW2-30 SM 9222D 721657 SM 9222D 721658 85626037002 MW2-50 SM 9222D 721657 SM 9222D 721658 85626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 85626037005 MW3-50 SM 9222D 721657 SM 9222D 721658 85626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 85626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 85626037001 MW2-30 EPA 300.0 722261 SM 9222D 721658 85626037002 MW2-50 EPA 300.0 722261 SM 9222D 721658 85626037004 MW3-30 EPA 300.0 722261 SM 9222D 721658 85626037004 MW3-70 EPA 350.1 722106 SM 9222D 721658 85626037004 MW2-30 EPA 350.1 722106 SM 9222D <	35626037004	MW3-30	SM 5210B	721317	SM 5210B	722364
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5626037002 MW2-50 SM 9222D 721657 SM 9222D 721658 5626037003 MW2-70 SM 9222D 721657 SM 9222D 721658 5626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 5626037005 MW3-50 SM 9222D 721657 SM 9222D 721658 5626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 5626037001 MW2-30 EPA 300.0 722261 SM 9222D 721658 5626037002 MW2-50 EPA 300.0 722261 SM 9222D 721658 5626037003 MW2-70 EPA 300.0 722261 FA 300.0 722260 FA 300.0 722260 FA 300.0	5626037006					722364
5626037003 MW2-70 SM 9222D 721657 SM 9222D 721658 5626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 5626037005 MW3-50 SM 9222D 721657 SM 9222D 721658 5626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 5626037001 MW2-30 EPA 300.0 722261 SM 9222D 721658 5626037002 MW2-50 EPA 300.0 722261 SM 9222D 721658 5626037003 MW2-70 EPA 300.0 722261 SM 9222D 721658 5626037004 MW3-30 EPA 300.0 722261 FA 300.0 722206 FA 300.0 722106 FA 300.0	5626037001	MW2-30	SM 9222D	721657	SM 9222D	721658
5626037004 MW3-30 SM 9222D 721657 SM 9222D 721658 5626037005 MW3-50 SM 9222D 721657 SM 9222D 721658 5626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 5626037001 MW2-30 EPA 300.0 722261 5626037003 MW2-50 EPA 300.0 722261 5626037003 MW2-70 EPA 300.0 722261	5626037002	MW2-50	SM 9222D	721657	SM 9222D	721658
5626037005 MW3-50 SM 9222D 721657 SM 9222D 721658 5626037006 MW3-70 SM 9222D 721657 SM 9222D 721658 5626037001 MW2-30 EPA 300.0 722261 5626037002 MW2-50 EPA 300.0 722261 5626037003 MW2-70 EPA 300.0 722261 5626037004 MW3-30 EPA 300.0 722261 5626037005 MW3-50 EPA 300.0 722261 5626037005 MW3-70 EPA 300.0 722261 5626037006 MW3-70 EPA 350.1 722106 5626037002 MW2-50 EPA 350.1 722106 5626037004 MW3-30 EPA 350.1 722106 5626037004 MW3-30 EPA 350.1 722106 5626037006 MW3-70 EPA 350.1 722106 5626037006 MW3-70 EPA 353.2 721631 5626037004 MW2-30 EPA 353.2 721631 5626037002 MW2-50 EPA 353.2 721629 5626037004 MW2-50 EPA 353.2 721629 5626037004 MW3-30 EPA 353.2 721629 5626037004 MW3-3	5626037003	MW2-70	SM 9222D	721657	SM 9222D	721658
SECCONTOC SM 9222D 721657 SM 9222D 721658 SECCONTOC SM 9222D 721658 SECCONTOC SECONTOC SECCONTOC SECCO	5626037004	MW3-30	SM 9222D	721657	SM 9222D	721658
SECONO MW2-30	5626037005	MW3-50	SM 9222D	721657	SM 9222D	721658
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### Section of the image of the	5626037001	MW2-30	EPA 300.0	722261		
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### ### ##############################	5626037003	MW2-70	EPA 300.0	722261		
### EPA 300.0 722261 ##################################	5626037004	MW3-30	EPA 300.0	722261		
### SECECON STORE MW2-30	5626037005	MW3-50	EPA 300.0	722261		
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### EPA 350.1 722106 ####################################	5626037004	MW3-30	EPA 350.1	722106		
## 15626037001 MW2-30 EPA 353.2 721631 ## 15626037002 MW2-50 EPA 353.2 721631 ## 15626037003 MW2-70 EPA 353.2 721629 ## 15626037004 MW3-30 EPA 353.2 721629 ## 15626037005 MW3-50 EPA 353.2 721586	5626037005	MW3-50	EPA 350.1	722106		
85626037002 MW2-50 EPA 353.2 721631 85626037003 MW2-70 EPA 353.2 721629 85626037004 MW3-30 EPA 353.2 721629 85626037005 MW3-50 EPA 353.2 721586	5626037006	MW3-70	EPA 350.1	722106		
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85626037004 MW3-30 EPA 353.2 721629 85626037005 MW3-50 EPA 353.2 721586	35626037002	MW2-50	EPA 353.2	721631		
35626037005 MW3-50 EPA 353.2 721586	35626037003	MW2-70	EPA 353.2	721629		
	35626037004	MW3-30	EPA 353.2	721629		
3 5626037006 MW3-70 EPA 353.2 721490	35626037005	MW3-50	EPA 353.2	721586		
	35626037006	MW3-70	EPA 353.2	721490		

WO#: 35626037

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Samples (Y/N) SAMPLE CONDITIONS (N/A) Cooler ŏ pelses Custody Regulatory Agency State / Location (Y/N) ce Received on Residual Chlorine (Y/N) TEMP in C Kill Child TIME 54 Requested Analysis Filtered (Y/N) 70 DATE 2540D TSS DATE Signed: Fecal Coliform MF sinommA1,038 christina raschke@pacelabs.com, 2210B BOD ACCEPTED BY / AFFILIATION CI' NO5' NO3 Salinity Analyses Test N/A Methanol Preservatives Na2S2O3 HOBN 16027 an o Pace Project Manager: нсі Invoice Information: ЕОИН Company Name: Pace Profile #: H2SO4 Pace Quote: Section C TIME Address: Unpreserved # OF CONTAINERS SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 035 900 TIME SP c//m/n DATE COLLECTED RELINQUISHED BY / AFFILIATION TIME START DATE roject Information: Pinecrest Report To: David Taylor SAMPLE TYPE (G=GRAB C=COMP) Purchase Order #: MATRIX CODE (see valid codes to left) Project Name: Copy To: Project #: CODE DW WT WN SL OL WP AR AR MATRIX
Donking Water
Vaster
Waste Water
Product
Soul/Solid
Oil
Wipe
Air
Chher
Tissue ADDITIONAL COMMENTS (A-Z, 0-9 /, -) Sample Ids must be unique One Character per box. SAMPLE ID 9500 S Dadeland Blvd Email: dtaylor@scsengineers.com 30 Company: SCS Engineers (305)412-8185 Required Cilent Intorniation JW7 WW3 MM 3 MW2 0 Requested Due Date: 3 335 Miami, FL 33156 Address: Phone: 12 w 10 11 2 က 9 œ 6 Page 33 of 35 # MHTI



Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13 Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # Project Manager: Client:	CLIENT: 36-ESCON	37 •: 04/20/21	Date and Initials of person: Examining contents: Label: Deliver: pH:
Thermometer Used: 13	Date: 4/11/	<u>∠1</u> Time: <u>∠</u>	Initials:
State of Origin:	2343	projects, all containers ve	erified to ≤6 °C
Cooler #1 Temp. °C(Visua	l)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #2 Temp.°C(Visua	l)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #3 Temp.°C(Visua	l)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #4 Temp.°C(Visua	I)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #5 Temp.°C(Visua	l)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #6 Temp.°C(Visua	l)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Shipping Method: ☐ First Overnig ☐ Other	PS USPS Client C	d Overnight 🛮 🗎 Grou	und □ International Priority
Billing: Recipient	☐ Sender ☐ Third Party	☐ Credit Card	☐ Unknown
Tracking #			
Custody Seal on Cooler/Box Present Packing Material: Bubble Wrap Samples shorted to lab (If Yes, com	Bubble Bags None	intact: Yes No	orted Time: Qty:
		Comments:	
Chain of Custody Present	Yes No N/A		
Chain of Custody Filled Out	Yes No N/A		
Relinquished Signature & Sampler Na			
Samples Arrived within Hold Time	☐Yes ☐ No ☐N/A		
Rush TAT requested on COC	□Yes □No □N/A		
Sufficient Volume	Yes 🗆 No 🗆 N/A		
Correct Containers Used	Yes No N/A		
Containers Intact Sample Labels match COC (sample IDs & collection)	date/time of	-	
All containers needing acid/base preservat checked		925	Preservation Information:
All Containers needing preservation are for	und to be in		ce #
compliance with EPA recommendation:	✓Yes □ No □N/A m, TOC, O&G, Carbamates	Date: Initials:	Time:
Headspace in VOA Vials? (>6mm):	□Yes □ No N/A	initials.	
Trip Blank Present:	□Yes ☑ No □N/A		
		Date/Time:	
Comments/ Resolution (use back fo	r additional comments):	· · · · · · · · · · · · · · · · · · ·	
Project Manager Paviews			Date:



Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13 Pace Analytical

	Sam	ple Conditio	n Upor	Receipt Form	(SCUR)
Droinet #	LIO#	3562	603	37	
Project #	MOT	200	Date	: 04/20/21	Date and Initials of person: Examining contents:
Project Manager:	PM: CTR		Date	. •	Label:
Client:	CLIENT:	36-ESCON			Deliver:
Thermometer Used: 13	45	Date:	/14/	21 Time: 1	54// Initials: AM
State of Origin:			For WV	projects, all containers	verified to ≤6 °C
Cooler #1 Temp. C 16.1 (Visu	(lal) 0.0	(Correction Fa	ctor)	6.9 (Actual)	Samples on ice, cooling process has begun
Cooler #2 Temp.°C(Visu	ıal)	(Correction Fa	ictor)	(Actual)	Samples on ice, cooling process has begun
Cooler #3 Temp. "C(Visu	ıal)	(Correction Fa	ictor)	(Actual)	Samples on ice, cooling process has begun
Cooler #4 Temp. C(Visu	ıal)	(Correction Fa	ictor)	(Actual)	Samples on ice, cooling process has begun
Cooler #5 Temp.*C(Visu	ıal)	(Correction Fa	ctor)	(Actual)	Samples on ice, cooling process has begun
Cooler #6 Temp.°C(Visu	ıal)	_(Correction Fa	ctor)	(Actual)	Samples on ice, cooling process has begun
	ight □ Priorit	PS Client y Overnight □	Ştandard	ommercial ☐ Pac d Overnight ☐ Gro	
Billing: ☐ Recipient	☐ Sender	☐ Third	Party	☐ Credit Card	☐ Unknown
Tracking #					/
Custody Seal on Cooler/Box Prese	ent: Yes	No	Seals i	ntact: 🗌 Yes 🗹 N	o Ice: Wet Blue Dry None
Packing Material: Bubble Wrap	Bubble E	Bags None		ther	0
Samples shorted to lab (If Yes, cor	mplete)	Shorted Dat	ə:	s	horted Time: Qty:
			J.	Comments:	,
Chain of Custody Present		ØYøs □ N		Comments.	
Chain of Custody Filled Out			o □N/A		
Relinquished Signature & Sampler N	lame COC	ZYes □ N	o □N/A		
Samples Arrived within Hold Time		□Yes □ Ŋ	o □N/A		
Rush TAT requested on COC		□Yes □N	o □N/A		
Sufficient Volume		□Yes □ N	o □N/A		
Correct Containers Used		□Yes □ N	o □N/A		
Containers Intact		□Yes □ N	o □N/A		
Sample Labels match COC (sample IDs & collection)	& date/time of	□Yes □ N	o □N/A		
All containers needing acid/base preserva	ation have been	□Yes □ N	> □N/A		Preservation Information:
All Containers needing preservation are fo	ound to be in			Lot #/Tra	ative:
compliance with EPA recommendation: Exceptions: VOA, Colifo	rm TOC O&G (D □N/A	Date: Initials:	Time:
Headspace in VOA Vials? (>6mm):		□Yes □ N	D DIN/A		
Trip Blank Present:		□Yes □ N			
Client Notification/ Resolution: Person Contacted:				2	. · · · · · · · · · · · · · · · · · · ·
- 1					
Project Manager Review:					Date: