

Ft. Myers Lab02 10090 Bavaria Rd. Fort Myers, FL 33913 TEL: (239) 590-0337 FAX: (239) 590-0536 Website: www.sanderslabs.net

Mark Ashton Greater Pine Island Water Assn, Inc 5281 Pine Island Road Bokeelia, FL 33922 TEL: (239) 283-1072 FAX:

RE: UCMR5 Sampling & Analyses

Order No.: 2307291

Dear Mark Ashton:

Sanders Laboratories, Inc received 2 sample(s) on 7/10/2023 for the analyses presented in the following report.

These results only pertain to the samples as received. These pages may include, but are not limited to: Analytical Data, Chains of Custodies, Subcontracted Data and Case Narratives for samples. Results relate only to the samples in the report.

Reports are archived for a minimum of 5 years. Copies of reports are available for a fee of \$50.00. Copies will be provided within 2 weeks of the time of the request. Laboratory PQL's are available upon request.

Test results meet all the requirements of the NELAP standards, unless otherwise noted. SL 001= Nokomis Certificate # E84380 1050 Endeavor Court Nokomis Fl 34275. SL002= Fort Myers Certificate # E85457 10090 Bavaria Road Fort Myers Fl 33913

A statement of estimated uncertainty of results is available upon request.

Laboratory report shall not be reproduced except in full, without the written approval of Sanders Laboratories.

Sanders Laboratories follows DEP standard operating procedures for field sampling, unless otherwise noted.

Katie Strothman Laboratory Director



Ft. Myers Lab02 10090 Bavaria Rd. Fort Myers, FL 33913 TEL: (239) 590-0337 FAX: (239) 590-0536 Website: www.sanderslabs.net **Definition Only**

WO#: **2307291**

Definitions:

B: Results based upon colony counts outside the acceptable range.

G: Sample value indicates that the analyte was detected at or above the method detection limit in both the sample and the associated field blank, equipment blank, or trip blank, and the blank value was greater than 10% of the associated sample value. The value in the blank shall not be subtracted from associated samples. Also if the RPD on a field duplicate exceeds allowable control limit.

I: The reported value is greater than or equal to the laboratory MDL but less than the laboratory PQL.

J: Estimated Value. Lab QC not in range.

J7: Excessive amounts of Sodium Sulfite used to dechlorinate the sample due to high levels of chlorine present.

K: Off scale low, actual value is known to be less than the value given.

L: Off scale high, actual value is known to be greater than the value given.

S: Final DO reading is less than 1 mg/l and the difference between initial and final DO is not at least 2 mg/l or if seed dilutions have wide variance per mL seed (30%).

NC: Not Certified. Parameter was ran but is not covered under laboratory accredited scopes.

Q: Sample held beyond acceptable holding time.

U: The compound was analyzed for, but not detected.

V: Indicates that the analyte was detected at or above the MDL in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Y: The laboratory analysis was from an improperly preserved sample.

Z: MF: Too many colonies were present for accurate counting. MPN: All wells were positive. Results maybe higher than reported.

Pace Analytical"

CHAIN-OF-CUSTODY UCMR5 / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

ection a	A d Client Information:	Section B Required P	roiect	t Info	rmation:						tion C ice Info	ormat	ion:															Of	1
ompany	SANDERS LABORATORIES	Report To:	-	_	ALSH					_	ntion:		MIBR	IGHT				_					٦.		L P	age :	1	01	1
ddress:	10090 BAVARIA ROAD	Copy To:	KAT	TIE S	TROTHM	IAN				Com	pany N	-		171102						_			1						
ORT M	YERS FL 33913									Addr	ess:												(Thite	S NOTATI	MARAT	Regula	tory Age	ncy	简加加
mail;	JEFF@SANDERSLABS.NET	Purchase C	rder #	ł,						Pace	Quote	r:																	
none:	941-234-1000 Fax	Project Nan	ne:	GR	EATER P	NE UCM	R5_SE1	JULY 202	3	Pace	e Projec	ct Mar	nager;	J	anet.Cl	lutters	s@p	acel	labs.	соп	1		100	河川田	112	State	/ Locatio	n	而自由
equeste	ed Due Date:	Project #:		_	_	PWS ID:	FL5360	322		Pace	e Profile	∋#:	B	0#:															
_			-	_		_			_				_			14		F	Reque	ested	Anal	ysis Fi	Itered	(Y/N)	-	4	16 31/30		
1		1000	io left)	(dwo		COLL	ECTED					Pr	esen	vativ	26	N/A	and a state									and			
	MATRO Division Water Waste Product SAMPLE ID SolitSo Orig One Character per box, Wipe	Water DW WT Vater WW P	(see valid codes to I	(G=GRAB C=COMP)	ST	ART		ND	AT COLLECTION	ERS	etate					Test	UCMR5	MR5	MR5-FRB	CMR5	CMR5-FRB					rine (Y/N)			
11 EM #	(A-Z, 0-9), -) Air (A-Z, 0-9), -) Other Sample Ids must be unique Tissue	AR OT TS	MATRIX CODE	SAMPLE TYPE	DATE	TIME	DĄTĘ	TIME	SAMPLE TEMP AT	# OF CONTAINERS	Unpreserved Ammonium Acetate	HNO3 (Nitric A	Trizma			Analyses	200.7 Metals-Li,	533 PFAS UCMR5	533 PFAS UCMR5-FRB	537.1 PFAS UCMR5	537.1 PFAS UCMR5-FRB					Residual Chlorine (Y/N)			
1	10001-GREATER PINE ISLAND WAT	ER ASSOC	- DW	1	10/23	10:15	7/023	10:70		9	4	1	4				x	x		х							OQS	6	
2	FRB -10001-GREATER PINE ISLAND	WATER	w		1	10:15	1	10:20		2	1		1						×		x						SE1		
3			T							-	Ť		ŕ				F	T	Â		-		Ħ	+	Ħ		561		
136			+							H	+	+	+	+	++		F	+	\square		+	+	+	-		-			
4			┢	-	-			-	-	\vdash	+	+	+	-	++	-	F	+	+		+	+	+	-		-	-		-
5			┢	-	-						-	+	$\left \right $	-	++	-	⊢	+			-	-	$\left \right $		+	-			
6			+	-						\square	_				++	4		-				_	\square			_			
7			1														L												
8																													
9																							\square						
10			Т									T											\square						
11			T							H		+	H	+			F	t				+	\square	+					
12			1					-		H	-	+	\square		++		F	+			-	+	+	+	+	-		9025 Chel	
12	ADDITIONAL COMMENTS		RELIN	VQUIS	SHED BY /.	AFFILIATIO	DN	DAT	30	1002	TIME		1000	A	CCEPTED	BY/A	FFILI	ATION	N	2891	122	DAT	E	TIM	IE	10000	SAMPLE	CONDITION	IS
ior to	shipping, please refrigerate the samples for	4-6		20				7/00	100 M		3:5		100.	1998 1997 1997	TV	1/	-		C.E. AN		71	0/-	1000	13	22.3124	4.1	V	T	T
	mmediately after sampling.		-					17		1.00					111	4		_			1	9	2	12.	-	1	1		
ease	fill containers up to the bottom thread of the																											1	
ontain	ner cap.																												
						SAMPLE	ER NAME	AND SIG	NAT	URE	-		107					?E				200		時間		U	5	1	
							and the second	of SAMP	2	1	Jas	SCY	1	6	an	us	Т	DAT	TE Sig	gned	-	2/1	100			TEMP in	Received Ice (Y/N)	Custody Sealed Cooler	Samples
						L		-	-	-	- Status	and the second				-	1	-			1	14.	~	5		H	ur õ⊂	0000	- 00

2307 291

Lococo V	UNC			DEP-	DEP-SOP-001/01	/01				
Laboratories entremental resting Service	ratori	S S S		DEP Form FD 9000-24: SAMPLING LOG	DEP Form FD 9000-24 SAMPLING LOG	00-24: _OG				
SITE PINE JUNE	5/mg	tut	d	SI	SITE LOCATION:	ILCMR-	5-			
WELL NO: Lab	tap		SAMPLE ID					DATE: 7/10	50/03	
	1			PURG	PURGING DATA			1	Ň	
WELL DIAMETER (inches); WELL VOLUME PURGE:	TUBING DIAMET	TUBING DIAMETER (inches): LL VOLUME = (TOT	TUBING WELL (Inches): DEPTH. 1 WELL VOLUME = (TOTAL WELL DEPTH		1 m	feet STATIC D feet TO WATE TO WATER) X	STATIC DEPTH TO WATER (feet): ATER) X WELL CAPACITY		PURGE PUMP TYPE OR BAILER:	
<pre>(only fill out if applicable) = (</pre>	RGE: 1 EQL	= (JIPMENT VOL	= PUMP VO	feet - LUME + (TUE	ING CAPACI	feet) X	X TUBING LENGTH) + FLOW CELL VOLUME	galions/foot + FLOW CELL	= VOLUME	galions
			н	gallons + (gallo	gallons/foot X	feet)		gallons =	gallons
DEPTH IN WELL (feet):		FINAL PUI	FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:	G ED AT:	PURGING ENDED AT:			1 200
TIME VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	EPA EPA 150.1 (standard	TEMP. EPA 170.1 (°C)	COND EPA 120.1 (circle units) µmhos/cm	DISSOLVED OXYGEN EPA 360.1 mg/L	TURBIDITY EPA 180.1 (NTUs)	COLOR (describe)	ODOR (describe)
Equipment Serial Numbers	umbers	8	6602	13E10301,	13E10301 5	01 SAL pp1 13E103015	13E103015	20012585		
		8	- 44	DUP		Blank:		Blank:		
D*15				836	28.6	Dup:	4,38	Dup: 0,90	clear	ACME
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02: 1". TUBING INSIDE DIA. CAPACITY (Gall/F1): 1/8" = 0.0006.	Per Foot): 0 ACITY (Gal./F	. 75 " = 0.02; t.); 1/8" = 0.	1" = 0.04; 3/16'	1"=0.04; 1.25"=0.06; 2"=0.16; 066; 3116"=0.0014; 114"=0.0026;	; 2" = 0.18 1/4" = 0.0026	5, 3"=0.37, 4" 5,16"=0.004	= 0.65; 3.8" = 7	5" = 1.02; 6'	6"=1.47; 12" 1011-0.010 Foot	12" = 5.88
PURGING EQUIPMENT CODES:	DES: B	B = Bailer;	BP = Bladder Pump	AMI	np; ESP = Electric Subm SAMPLING DATA	92		tic F	1	(Specify)
SAMPLED BY (PRINT) / AFFILIATION Jason Govanus	FILIATION:		SAMPLER(S)	SAMPLER(S) SIGNATURE(S)	(S):	4	SAMPLING 10.10	11.10	SAMPLING	Nr. 11
PUMP OR TUBING			TUBING			FIELD	FIELD-FILTERED: Y	X N		
	HIMP I	××	N N	UUE:HUPE TIBING	>	Filtrati	on Equipment Tys		K	
SAMPLE CONTAINER SPECIFICATION	SPECIFICA	TION	1 °		N I I I I I I I I I I I I I I I I I I I	N > (replaced)	DUPLICATE:			
SAMPLE #	MATERIAL	NOLUME	PRESERVATIVE USED	<u>й</u> — — — —	TOTAL VOL TOTAL VOL ADDED IN FIELD (mL)	1g wet ice) FINAL	ANALYSIS AND/OR METHOD		PMENT	SAMPLE PUMP FLOW RATE (mL per minute)
							bias	3	the	
REMARKS Ch	1.48	8		_						
MATERIAL CODES: A	AG = Amber Glass; S = Silicone; T = T	(D)	CG = Clear Glass; HDF flon; O = Other (Specify)	HDPE = H	HDPE = High Density Polyethylene; ccity)	slyethylene;	LDPE = Low Density Polyethylene;	sity Polyethyle		PP = Polypropylene;
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristatic Pump, B = Bailer, BP = Bladder Pum RFPP = Reverse Flow Peristatic Pump, SM = Straw Method (Tubing Gravity Peristatic Pump Geotach S/N: 5105Submersible Pump S/N:002917 Chlorine Meter Hach: S/N: 1808F364364	DDES: AI RF V: 5105Subn	PP = After (Th PP = Reverse nersible Purr	APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; bmersible Pump S/N:002917 Chlori	Itic Pump; tic Pump; 17 Chlorine	B = Bailer, SM = Straw A Meter Hach:	B = Bailer, BP = Bladder Pump, E SM = Straw Method (Tubing Grawty Drain); Meter Hach: S/N: 18.05F364896	Drain)	P = Electric Sut O = Other (S	ESP = Electric Submersible Pump; 0 = Other (Specify)	
NOTES: 1. The above do not constitute all of the information required by Chapter 0.2 to CRISC F.A.C. 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE GONGECUTIVE 62-160, F.A.C. pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 0.2 °C Specific Co	not constit emperature in/L or + 10 Cries Ories	DR RANGE OF the all of the contract of the con	Pe information req variation of LAST ipecific Conductar is greater) Turbio Sanders Laboratio 10090 Bavaria Rd Fort Myers, FI FDOH #E85457	tion required by Chapter 62- OF LAST THREE CONSECUTIVE Radius Constraints Radiu ductance: ± 5% Dissolved inductance: ± 5% Dissolved Turbidity: all readings ≤ 20 aboratories Inc, South varia Rd s, Fi s, Fi 85457 DEP Form FD 9000	t by Chapter by Chapter t 5% Disser all readings nc, South T FD 900	EXAMPLE READING OF A C. 10 E READING S = A C. 11 E READING S = A C. 20 NTU; option = 2 20 NTU; option = 2 20 NTU; option = 0 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2	C.C. C.C. C.S. C.S. C.S. C.S. C.S. C.S.	SECTION <u>3)</u> : 20% saturat J or <u>+</u> 10% (w	on (see Table hichever is gr	eater)
Page 2 of 3							Form #: FF-04 Approved by: KS 7/11/2018	04 Approv	ed by: KS 7	7/11/2018



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

August 17, 2023

Jeff Walsh Sanders Laboratories-FL 10090 Bavaria Road Fort Myers, FL 33913

RE: FL5360322

Dear Jeff Walsh:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **7/11/23 1:14 pm** and logged in under work order **GG01307**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

estul'esters

Janet Clutters Project Manager (309) 692-9688 x1743 janet.clutters@pacelabs.com



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GG01307

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

ANALYTICAL RESULTS

Sample: GG013 Name: 10001-0 Reg ID: FL536	GREATER PINE IS	LAND WA	TER ASSOC-LAB TAP			Sampled: 07/10/2 Received: 07/11/2 Matrix: Drinkin		
Parameter	Result	Unit	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Semivolatile Organics -	PFAS - PIA							
PFTrDA	< 0.0070	ug/L	07/20/23 09:15	1	0.0070	07/21/23 19:06	PSB	EPA 537.1 REV1*
NETFOSAA	< 0.0050	ug/L	07/20/23 09:15	1	0.0050	07/21/23 19:06	PSB	EPA 537.1 REV1*
NMEFOSAA	< 0.0060	ug/L	07/20/23 09:15	1	0.0060	07/21/23 19:06	PSB	EPA 537.1 REV1*
PFTeDA	< 0.0080	ug/L	07/20/23 09:15	1	0.0080	07/21/23 19:06	PSB	EPA 537.1 REV1*
PFBA	< 0.0050	ug/L	07/26/23 09:01	1	0.0050	07/27/23 12:17	DJB	EPA 533*
PFMPA	< 0.0040	ug/L	07/26/23 09:01	1	0.0040	07/27/23 12:17	DJB	EPA 533*
PFPeA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFBS	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFMBA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFEESA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
HFPO-DA	< 0.0050	ug/L	07/26/23 09:01	1	0.0050	07/27/23 12:17	DJB	EPA 533*
NFDHA	< 0.020	ug/L	07/26/23 09:01	1	0.020	07/27/23 12:17	DJB	EPA 533*
4:2 FTS	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFHxS	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFHpA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFHxA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
ADONA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFPeS	< 0.0040	ug/L	07/26/23 09:01	1	0.0040	07/27/23 12:17	DJB	EPA 533*
6:2 FTS	< 0.0050	ug/L	07/26/23 09:01	1	0.0050	07/27/23 12:17	DJB	EPA 533*
PFOA	< 0.0040	ug/L	07/26/23 09:01	1	0.0040	07/27/23 12:17	DJB	EPA 533*
PFHpS	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFOS	< 0.0040	ug/L	07/26/23 09:01	1	0.0040	07/27/23 12:17	DJB	EPA 533*
PFNA	< 0.0040	ug/L	07/26/23 09:01	1	0.0040	07/27/23 12:17	DJB	EPA 533*
9CI-PF3ONS	< 0.0020	ug/L	07/26/23 09:01	1	0.0020	07/27/23 12:17	DJB	EPA 533*
8:2 FTS	< 0.0050	ug/L	07/26/23 09:01	1	0.0050	07/27/23 12:17	DJB	EPA 533*
PFDA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
PFUnA	< 0.0020	ug/L	07/26/23 09:01	1	0.0020	07/27/23 12:17	DJB	EPA 533*
11CI-PF3OUdS	< 0.0050	ug/L	07/26/23 09:01	1	0.0050	07/27/23 12:17	DJB	EPA 533*
PFDoA	< 0.0030	ug/L	07/26/23 09:01	1	0.0030	07/27/23 12:17	DJB	EPA 533*
<u> Total Metals - PIA</u>								
Lithium	< 9.00	ug/L	07/21/23 05:18	2.5	9.00	07/26/23 08:49	BRS	EPA 200.7 REV4.4



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050 TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870) Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338) Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

ret



Certified by: Janet Clutters, Project Manager

Pace Analytical WWW.PACELABS.COM

CHAIN-OF-CUSTODY UCMR5 / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

																									-4	30	7	291	
	\circ						сна	IN-O	F_(211	NT2	חר	vII	CM		۸n	alve	tio		200					4		6	291	07
,	Pace Analytical					1	The Ch	ain-of-C	Custo	odv	is a L	EGA			IENT. A		vani	t fiel	dir ds m	veq	e cor			ratel)T ,				1/
(WWW.PACELABS.COM																- an	t noi	uo m		001	inpictice		aratery				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
ection A		Section B Required Pr	roject l	nformat	ion.						tion C bice Inf		diam																
	Client Information: SANDERS LABORATORIES	Report To:	-	WALSH						-	ntion:	_	MI BR	IGHT							-	_		L	Page :		1	Of	1
ompany	10090 BAVARIA ROAD	Сору То:		E STRO	and the second se					_	npany N																		
	'ERS FL 33913									Add	ress:											1	an a	7. 111 Ja	Requ	latory	Agency	Participation and an	O. A CARLAN
	JEFF@SANDERSLABS.NET	Purchase Or	rder #:							Pac	e Quote	e:																and a second	Spectragenced symmetry
Phone:	941-234-1000 Fax:	Project Nam	e:	GREAT				JULY 202	3		e Proje		nager:	. <u>.</u>	lanet.C	lutters	@pa	acela	abs.	com				Carl Log	Sta	te / Lo	cation		States 2.
Requeste	d Due Date:	Project #:			PW	VS ID: I	FL53603	22	_	Pac	e Profile	e #:	B	30#:															
			TT						-							100		R	leque	sted A	nalys	is Filter	ed (Y/N	l) (1955)					
			left)	(dV												XIN											an a		C. C. Star
	MATRIX	CODE	es to	C=COMP)		COLLE	CTED		z			P	resen	vative	es	F											and the second		
	Drinking W Water	WT	code	ů					CTIC																			4	
	Waste Wa Product	P	valid	GRAI					OLLE							1	MR5		RB	L.									
	SAMPLE ID Soil/Solid Oil	SL	(see valid codes to left)	(G=GRAB	START	г	E	ND	SAMPLE TEMP AT COLLECTION	SS	- to	id)				Analyses Test	200.7 Metals-Li, UCMR5	85	533 PFAS UCMR5-FRB	537.1 PFAS UCMR5 537.1 PFAS UCMR5-FRB					Besidual Chlorine (V/N)				
	One Character per box. Wipe	WP AR							MP A	# OF CONTAINERS	Unpreserved	Ammonium Acetat HNO3 (Nitric Acid)				es	LL,	UCMR5	CM	SS					lorin l				
#	(A-Z, 0-9 / , -) Air Sample Ids must be unique Tissue	OT TS	MATRIX CODE	SAMPLE TYPE					TEI	NTA	Unpreserved	Litri				lys	etal	NS U	S U	PFAS									
ITEM	Guinpio La mana de angla de lissue		TRIX	NPLE					APLE	FCO	pres	non 1	ma			Ane	N N	PFAS	PF	d d									
E			MA	NY DA	TE T	ГІМЕ	DATE	TIME	SAM	0 #	UN R	E NH	Trizma			11	200.	533	533	537.1 537.1					Ded				
1	10001-GREATER PINE ISLAND WATER	R ASSOC	- DW	719			1/10/23	10:70		9	4	1	4				x	x		x						0	QS	, Mana aya ya kuma	
2	FRB -10001-GREATER PINE ISLAND V	VATER	w	11	1 10	O:IS	1	10:20	1	2			1					-	v	x						054			
1			1 +			-		10 22 .	\vdash	4	<u> </u>	+	+ +	\vdash	++	-				-	+		++		+	SE1			
3			+									_																-	
4																													
12-1-25												+	+		++	-					+		++		+	-			
5			+									_																	
6																													
State of the												1																	
2 - 7			+								$\left \right $		+	\vdash		_							+	_	+				
8																													
1.																													
9										-	+	+	+	\vdash		_	-		\vdash	_	+		+		+	-			
10																													
11											+	+		\vdash		-	\vdash		\vdash			+	+		+				
12																													
$\gamma_{2} \ge 1$	ADDITIONAL COMMENTS	and the states	RELING	QUISHED	BY / AFF	ILIATION	N	DAT	5		TIME			A	CCEPTER	BYIA	FFILIA	TION	1.1	4-2 1		DATE	and the second	ТІМЕ		SAN	IPLE CO	ONDITIONS	
Drion	o shipping, please refrigerate the samples for 4	-6	_					1/10/2		1-	3:5	1	an in the start of the		-11	111	-			014 (SL23)	1	1-	1-	200	4.1	1000000	1	Real Property and Provide State	CONSTRUCTION OF CO
-				A CONTRACTOR OF THE OWNER				192	2	1-	Jest 1	-			514	F				-4	44	123	1/-	350	1 7.1	+			
	immediately after sampling.						/	/																					
	e fill containers up to the bottom thread of the														~	~					-		0	4	-				11
conta	iner cap.				200			and its internet	1.500 - 15-	1			(X) and the	e na grafi e		h	_	Carrier - Star	Mary Comment		1	1/23	19	30	3,0	2/2	/	N	1
					SA	AMPLE	RNAME	AND SIG	NAT	URE	-				-			1.1.1.1							U	u			
						PRIN	IT Name	of SAMP	LER	:/	111.	500	1	12	ova,	1115						, 1		and A P	<u> </u>	ived		ody e d	ples
						SIGN	ATURE	of SAMP	LER	:		-						DAT	E Sig	ned:	71	1/2	3		TEMP	Receiv	(V/N)	Custoo Sealed Cooler (Y/N)	Sam
					L				-	and and a second se	1000						1				1	7-					-	and the second se	
																					1						1	Page 5	ot 8

					DEP-S	OP-001/	01					
	Sand	Jers /				n FD 900	0 24.					
		atorie				LING L						
SITE	2:00 1	stind	Ritt	\mathcal{D}	SIT		IIMR-	.6				
NAME:	ine 1	FUN	WAI	CAMPLE	Arrent Arrenter	CATION: /	MIL		DATE: 7	101	100	
WELL NO:	Lab	Tap		SAMPLE		INC DA	TA			10/	23	
WELL	-	TUBING		W/FI	L SCREEN I	ING DA	STATIC D	EPTH	Pl	JRGE F	PUMP TYP	E
DIAMETER	(inches):	DIAMETE	R (inches):	DEP	TH: fee	et to fe	et TO WATE			R BAIL	ER:	
	UME PURGE: if applicable)	1 WELL VOLU	ME = (TOT	AL WELL DEP	TH - STAT	TIC DEPTH T	O WATER) X	WELL CAPACIT	Y			
	IT VOLUME PU				feet -		feet) X	JBING LENGTH)	gallons/f + FLOW (gallons
	if applicable)	RGE: 1 EQUIP	NIENT VOL					feet)			gallons =	galions
		2		= ga /IP OR TUBING	illons + (PURGIN	ns/foot X G	PURGING			TAL VOLU	
	WELL (feet):	,		WELL (feet):		INITIATE	DAT:	ENDED AT:	1	PU	IRGED (gal	llons):
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH EPA 150.1 (standard units)	TEMP. EPA 170.1 (°C)	COND. EPA 120.1 (circle units) μmhos/cm or SAL ppt	DISSOLVED OXYGEN EPA 360.1 mg/L	TURBIE EPA 18 (NTU	30.1	COLOR (describe	
Equip	ment Serial N	umbers	· · · ·	6602	13E10301.	13E10301 5	13E103015	13E103015	200125	585		
					DUP		Blank:		Blank:			
				. 17			Dup:		Dup:			
10:15					836	28.6	691	438	De	PO	clear	- NONE
10-10					0000	A O. V	- L I	1,00				
						8						
WELL CAP	ACITY (Gallons	Per Foot): 0.	75'' = 0.02; 1/8'' = 0	1'' = 0.04; 0006: $3/16''$	1.25 " = 0.0 = 0.0014;	6; 2" = 0.1 1/4" = 0.002			5" = 1.02; .006;	6" = 1/2" = 0		12" = 5.88 /8" = 0.016
	EQUIPMENT C	ST REAL REPORTS		BP = Bladder F			Submersible Pu		eristaltic P	ump;	O = Oth	ner (Specify)
						LING DA	ATA					
SAMPLED Jason Gova	BY (PRINT) / A anus	FFILIATION:		SAMPLER(S)	SIGNATUR	E(S):		SAMPLING	T: 10:1	5	SAMPLING	10:20
PUMP OR	TUBING			TUBING	The second second second		FIELD	D-FILTERED: Y		x		SIZE:µm
	WELL (feet):		1. Commence and the second	MATERIAL C				ion Equipment Ty		1		
	CONTAMINATIO			N .	TUBIN		X (replaced)	DUPLICATE:		<u> </u>	N	
	PLE CONTAINE		TION	SAMPLE		ATION (inclue TOTAL VOL	FINAL	ANALYSIS A			IPLING PMENT	SAMPLE PUMP FLOW RATE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	USED	ADDE	ED IN FIELD		ptas	סכ	2	ODE TAP	(mL per minute)
								/				
			· · ·		2	5						· · · · · · · · · · · · · · · · · · ·
					-							1
REMARKS	e ch	1.48	3									
MATERIA	L CODES:	AG = Amber (S = Silicone;		= Clear Glass; O = Other (High Density	Polyethylene;	LDPE = Low D	ensity Poly	/ethyler	ne; PP	= Polypropylene;
	G EQUIPMENT	R	FPP = Reve	Through) Perist	altic Pump;		w Method (Tubin	g Gravity Drain);		tric Sub ther (S	omersible F pecify)	Pump;
LIGHTO I	The shares	de net conci	ituto all of	the informa	tion requir	ed by Char	ter 62-160, F.	A.C.				
0	OTADU IZATI	ON CONTEDIA P	OR RANGE	OF VARIATION	OF LAST TH	REE CONSEC	UTIVE READING	30 (OEE 1 0 221	2, SECTIO	<u>N 3)</u>		
p o	H: <u>+</u> 0.2 units	Temperatur 2 ma/L or + 1	e: <u>+</u> 0.2 °C 0% (whiche	Specific Co	nductance	- + 5% Di	ssolved Oxyg gs ≤ 20 NTU; (en: all readings optionally <u>+</u> 5 N	s < 20%	saturat	tion (see 7 whichever	Fable FS 2200-2) is greater)
	Sand Labor	ers	י א	10090 Ba	varia Rd	s mo, couth	SUAP ACCI	REDITE				
		V)	Fort Mye			\$	o				
F	Labor	atories	Ta .	FDOH #E			000- ABORA	108 ⁴				
4	(ditabilitie) interior	ાલ્ફ્સાલ્ફો ડેલેસ્પાર્લ્	6 .		DEP Fo	orm FD 9	000	.				
								F			und hu:	KS 7/11/2018

Form #: FF-04 Approved by: KS 7/11/2018

DC#_Title: ENV-FRM-CORQ-0016 v00_UCMR5 Sample Condition Upon Receipt (SCUR) Effective Date: 11/15/2022

Project # (Project Man Client: San Courier: D Fe	ager: Ja ders	anet	JSPS 🗖	Client	Pace	Othe								
Tracking #	6	319 60		44				Yes No						
Packing Materia	il: 🔲 Bub	ble Wrap	Bubb	le Bags	Nor	ne 🗌	Other							
		u.					C	omments						
Chain of Custody			Yes											
Chain of Custody														
Relinquished & S														
Samples Arrived		lime							_					
Sufficient Volume			Yes						_					
Correct Containe			Yes						_					
Containers Intact			Yes						_					
Sample Labels m			Yes						-					
Samples received			Yes						_					
If no, were sau	10 85		3 hrs of colle	ction?	□ Ye	🗌 No								
Person contac				1.			1.6	Time: 93D						
Temperature V		-	Initials:	po n	Date:	_//	1/23	Time:						
IR Gun ID:	11		CF (°C):											
	Observ 3	red (°C)	Correcte	d (°C)	Comments									
EPA 533	2	0	И,	0										
EPA 537.1	9	<u> </u>		0	ر		~ .	ll materi						
Preservation V	erification				85405	462018	54	pH meter:						
	N.		I Strip/DPD:	0301-				CI Meter:						
200.7 Lab	Preserved:	Nitric Acid:			Date/Time:	Ence Ch	lorine**	Initials: Comments	_					
		533*	pH 537.1	200.7	200.7 Lab			Comments	-					
Sample/Conta		(pH 6.0-8.0)	(pH 6.0-8.0)	(pH <2)	Preserved	533	537.1		_					
6601307		6				ND			-					
	B	G							-					
	0	6							-					
		6	~				NΩ		-					
	- t		<u>ר</u> ר											
	G		η											
1	13													
	H		7				T							

*533 pH may be adjusted at the bench prior to extra ** ND = <0.1 mg/L



DC#_Title: ENV-FRM-CORQ-0016 v00_UCMR5 Sample Condition Upon Receipt (SCUR) Effective Date: 11/15/2022

	Pre	eservation ^v	Verifica	tion Cont	inued		
		pł	1		Free C	hlorine**	Comments
Sample/Container ID	533* (pH 6.0-	537.1 8.0) pH 6.0-8.0)	200.7 (pH <2)	200.7 Lab Preserved		537.1	
01]			11				
	6				ND	-	
of A B		7	1	1	11.0		
			<u> </u>			ND	
						-	
				ļ	L		
							~
						1	
					<u> </u>		
	1						
	<u> </u>						
×							
						-	
-							
						1	
							8

*533 pH may be adjusted at the bench prior to extraction ** ND = <0.1 mg/L

Qualtrax ID: 117003

Pace® Analytical Services, LLC

1 comment

Page 1 of 1 Page 8 of 8