



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

February 26, 2021

Andy McThenia
Water Science Associates
13620 Metropolis Avenue, Suite 110
Fort Myers, FL 33912
TEL:
FAX:

RE: River Hall Golf Course

Order No.: 2102424

Dear Andy McThenia:

Sanders Laboratories, Inc received 3 sample(s) on 2/10/2021 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.
Nokomis Certificate # E84380 Fort Myers Certificate # E85457

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



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Definition Only

WO#: 2102424
Date: 2/26/2021

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.

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.

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: Too many colonies were present for accurate counting.



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Analytical Report

(continuous)

WO#: 2102424

Date Reported: 2/26/2021

CLIENT: Water Science Associates

Lab Order: 2102424

Project: River Hall Golf Course

Lab ID: 2102424-001

Collection Date: 2/10/2021 8:35:00 AM

Client Sample ID: SW-1

Matrix: SURFACE WATER

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
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NITROGEN, NITRATE + NITRITE

E353.2

Analyst: PS

Nitrogen, Nitrate	ND	0.0100		mg/L	1	2/15/2021 1:03:00 PM
Nitrogen, Nitrate-Nitrite	ND	0.0100		mg/L	1	2/15/2021 1:03:00 PM

TOTAL NITROGEN

E351.2

Analyst: GC

Nitrogen, Total	1.16	0.0300		mg/L	1	2/17/2021 12:36:00 PM
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NITROGEN, NITRITE

A4500-NO2-B

Analyst: SP

Nitrogen, Nitrite	ND	0.0100		mg/L	1	2/11/2021 2:55:00 PM
-------------------	----	--------	--	------	---	----------------------

CHLOROPHYLL A

A10200H

Analyst: GC

Chlorophyll a	ND	1.00		mg/m ³	1	2/11/2021 1:31:00 PM
Pheophytin	2.54	1.00		mg/m ³	1	2/11/2021 1:31:00 PM

FIELD PARAMETERS

FLD

Analyst:

Conductivity, EPA 120.1	927	1.0		umhos/cm		
Dissolved Oxygen, EPA 360.1	5.66	0.10		mg/L		
pH, EPA 150.1	8.03	0.01		S.U.		
Salinity	0.46	0.01		ppt		
Temperature, EPA 170.1	22.7	0.1		deg C		
Turbidity, EPA 180.1	3.84	0.01		NTU		

Qualifiers: H Holding times for preparation or analysis exceeded
PL Permit Limit
U Samples with CalcVal < MDL

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode



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Analytical Report

(continuous)

WO#: 2102424

Date Reported: 2/26/2021

CLIENT: Water Science Associates

Lab Order: 2102424

Project: River Hall Golf Course

Lab ID: 2102424-002

Collection Date: 2/10/2021 9:50:00 AM

Client Sample ID: SW-3

Matrix: SURFACE WATER

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
NITROGEN, NITRATE + NITRITE				E353.2		Analyst: PS
Nitrogen, Nitrate	0.229	0.0100		mg/L	1	2/15/2021 1:03:00 PM
Nitrogen, Nitrate-Nitrite	0.229	0.0100		mg/L	1	2/15/2021 1:03:00 PM
TOTAL NITROGEN				E351.2		Analyst: GC
Nitrogen, Total	1.01	0.0300		mg/L	1	2/17/2021 12:36:00 PM
NITROGEN, NITRITE				A4500-NO2-B		Analyst: SP
Nitrogen, Nitrite	ND	0.0100		mg/L	1	2/11/2021 2:55:00 PM
CHLOROPHYLL A				A10200H		Analyst: GC
Chlorophyll a	ND	1.00		mg/m ³	1	2/11/2021 1:31:00 PM
Pheophytin	1.26	1.00		mg/m ³	1	2/11/2021 1:31:00 PM
FIELD PARAMETERS				FLD		Analyst:
Conductivity, EPA 120.1	348.2	1.0		umhos/cm		
Dissolved Oxygen, EPA 360.1	5.41	0.10		mg/L		
pH, EPA 150.1	7.93	0.01		S.U.		
Salinity	0.17	0.01		ppt		
Temperature, EPA 170.1	23.3	0.1		deg C		
Turbidity, EPA 180.1	0.88	0.01		NTU		

Qualifiers: H Holding times for preparation or analysis exceeded
PL Permit Limit
U Samples with CalcVal < MDL

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode



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Analytical Report

(continuous)

WO#: 2102424

Date Reported: 2/26/2021

CLIENT: Water Science Associates

Lab Order: 2102424

Project: River Hall Golf Course

Lab ID: 2102424-003

Collection Date: 2/10/2021 9:15:00 AM

Client Sample ID: SW-2

Matrix: SURFACE WATER

Analyses	Result	MDL	Qual	Units	DF	Date Analyzed
NITROGEN, NITRATE + NITRITE				E353.2	Analyst: PS	
Nitrogen, Nitrate	ND	0.0100		mg/L	1	2/15/2021 1:03:00 PM
Nitrogen, Nitrate-Nitrite	ND	0.0100		mg/L	1	2/15/2021 1:03:00 PM
TOTAL NITROGEN				E351.2	Analyst: GC	
Nitrogen, Total	0.960	0.0300		mg/L	1	2/17/2021 12:36:00 PM
NITROGEN, NITRITE				A4500-NO2-B	Analyst: SP	
Nitrogen, Nitrite	ND	0.0100		mg/L	1	2/11/2021 2:55:00 PM
CHLOROPHYLL A				A10200H	Analyst: GC	
Chlorophyll a	ND	1.00		mg/m ³	1	2/11/2021 1:31:00 PM
Pheophytin	2.78	1.00		mg/m ³	1	2/11/2021 1:31:00 PM
FIELD PARAMETERS				FLD	Analyst:	
Conductivity, EPA 120.1	799	1.0		umhos/cm		
Dissolved Oxygen, EPA 360.1	4.13	0.10		mg/L		
pH, EPA 150.1	8.21	0.01		S.U.		
Salinity	0.39	0.01		ppt		
Temperature, EPA 170.1	23.2	0.1		deg C		
Turbidity, EPA 180.1	4.57	0.01		NTU		

Qualifiers:
H Holding times for preparation or analysis exceeded
PL Permit Limit
U Samples with CalcVal < MDL

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

PAGE: 1 OF: 3

2102 424

Fl. Myers Lab02
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Fort Myers, FL 33913
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[illegible]

PAGE: 2 OF: 3

2102 424

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FAX: (239) 590-0536
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SUBMITTING COMPANY: Water Science Associates			REPORT TO: Andy McThenia						BILL TO:		P.O.#													
PROJECT NAME: River Hall Golf Course			PROJECT # WSA - River Hall Golf C			QUOTE #			COMPANY Water Science Associates															
SPECIAL INSTRUCTIONS / COMMENTS:									ADDRESS 13620 Metropolis Avenue, Suite 110															
									CITY, STATE, ZIP: Fort Myers, FL. 33912															
Kit #									PHONE:			EMAIL (OR FAX IF NO EMAIL AVAILABLE)												
SAMPLER'S PRINTED NAME:							SAMPLER'S SIGNATURE			ANALYTICAL PARAMETERS														
										COMMENTS Send Fiprinol to Europhins Lab														
ITEM #	SAMPLE ID	DATE SAMPLED	TIME SAMPLED	pH	Mann	Bottle Lot #	NUMBER OF CONTAINERS GRAB "C" OR COMPOSITE "C"	CITOTOXA	NOX PM	SA	TN	TP												
11	SW-2	2/10	9:15	8.21	SW	8038006			✓	✓														
12	SW-2					1					✓	✓												
13	SW-2					EPA 8081			✓															
14	SW-2					216603					✓													
15	SW-2					EPA 547					✓													
														Methanol Preserved Weighes. HOT Sample Notation. Additional Sample Description etc.										
														Fiprinol - Ship to Europhins										
														SW - Glyphosate EPA 547										

Relinquished By: <i>anyway</i>	Date: <i>2/10/21</i>	Time: <i>14:25</i>	Received By: <i>TAT</i>	Date: <i>2/10/21</i>	Time: <i>14:25</i>	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY Temp of samples: <i>7.6</i> °C Attempt to Cool? <i>y</i> Comments: _____	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
TAT: Standard ☐ RUSH ☒ Next BD ☐ 2nd BD ☐ 3rd BD ☐						Note: RUSH requests will incur surcharges!	

PAGE: 3 OF: 3

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2102424

[illegible]

Testcode to method definitions: ALK=A2320,APC=BAMCH23,APC PETRI=AOAC 990.12,APC/G-CCMEF 6.33/AOAC 966.23,APC/ML-CCFRA 2.1,APC/SWAB=AOAC 986.33,BOD=A5210B,BOD FM=A5210B,Ca Hard=EPA 215.2,CBOD=A5210B,CBOD FM=A5210B,CHLORO=A10200H,CL- B DW=A4500-CL-B,CL- E NP=A4500-CL-E,CL- SOLID=FM 5-552,CL2=E330.5,CL2 FM=E330.5,COLI PETRI=AOAC 991.14,COLOR=A2120B,Color FM=A2120B,COND=A2510B,COND FM=A2510B,EB=AOAC 2003.01,EB C=CMMEF 8.631,EC 0157=AOAC Cert #001101,EC J=AOAC 992.3,EC01572=AOAC 996.09,ECOLI=EC + MUG,Enterococcus=E1600,ENTEROLERT=Enterolert,F=A4500-F-C,F=A9222D,FC FM=A9222D,FC MPN=A9221E,FC MPN FM=A9221E,FC MUG=A9223B,FC MUG FM=A9223B,FC STREP=A9230C,FCMPN=A9221E,HARD=A2340C,HPC=A9215B,LEGA=Legiolert,LIST PCR=AOAC #090701,LISTERIA BR=R1030406.1,MONO PCR=010802,MOLD=FDA/BAM Ch. 18,MOLD G RES=ASTM D3273,MOLD ID=McCrone,NH3=E350.1,NH3 Solid=E350.1,NH4=E350.1,NO2=E353.2,NO2 FM=A4500-NO2-B,NO3 SOLID=E353.2,NOX=E353.2,NOX Solid=E353.2,ODOR=A2150B,Odor FM=A2150B,OPHOS=A4500-P-E,Org N=E351.2,Org N Solid=E351.2,PH=A4500-H-B,PH F=AOAC 981.12,pH FM=A4500-H-B,pH Sludge=E9040C,PH SOLID=E9045D,SALM PCR=010803,SIO2=A4500-SIO2 C,SO4=ASTM-D516-90,STAPH=AOAC 2003.07,Strep=A9230C,SA- Subcontract PACE BCS ALS FRC Microbac Eurofins,TC MF=A9222B,TC MF FM=A9222B,TC MUG=A9223B,TC MUG FM=A9223B,TDS=A2540C,TDS FM=A2540D,TKN=E351.2,TKN Solid=E351.2,TN=E351.2,TN Solid=E351.2,TP=E365.4,TP Diss=E365.4,TP Solid=E365.4,TS=A2540B,TS %A2540G,TSS=A2540D,TSS FM=A2540D,TURB=E180.1,TVSS=E160.4,Un NH3=E350.1,Y M=FDA/BAM 8th Ed.

Relinquished By: <i>anyway</i>	Date: <i>2/10/21</i>	Time: <i>14:25</i>	Received By: <i>TJA</i>	Date: <i>2/10/21</i>	Time: <i>1425</i>	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY Temp of samples <i>7.6</i> °C Attempt to Cool? <i>y</i> Comments: _____ _____	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐							
Note: RUSH requests will incur surcharges!							



Date: 2/10/21
 Field Tech Amy Murry
 Location: Riverhall G.C.

Site	Time	Flow* Ft/sec or tidal change	Total Depth ft	Sample Depth (ft)	Water Temp EPA 170.1 (C)	DO EPA 360.1 (mg/L)	DO (%)	Cond EPA 120.1 (umhos /cm)	Salinity M 250B (ppm)	pH EPA 150.1 (std units)	Turbidity EPA 180.1 (NTU)	Weather Cloud Cover Wind		Air Temp (C)	Secchi (ft)
SW-1 ^{SW-1}	8:35	N/A	2.0	1.0	22.7	5.66	66.3	927	0.46	8.03	3.84	10%	E 2.0 mph	18.88	—
SW-2	9:15	N/A	1.0	1.0	23.2	4.13	48.4	799	0.39	8.21	4.57	40%	E 5.0 mph	22.22	—
SW-3	9:50	N/A	1.0	1.0	23.3	5.41	62.9	348.2	0.17	7.93	0.88	30%	ESE 6.0 mph	22.77	—

Tests/Bottles/Preservatives:

Lot #	Preservative
250P	4030006 Ice/Hydro
500 P	
1LP	EPA 800/407535 Trizma/Hydro
2LP	
Other	3mL/216003 JCO

40.0
Amy 2/10

Equipment Used: (circle)

Dip Stick	2	Secchi	4999
Multi	Turb	Depth	Peri Pump Sub Pump
20A100132	18051784	6240	4116 O16549

Date Revised: 5/19/2020 Form ID: FF-03 Approved by: KS

Comments:

February 17, 2021

Tami Bright
Sanders Laboratories, Inc.
1050 Endeavor Court
Nokomis, FL 34275

RE: Project: 2102424
Pace Project No.: 35611629

Dear Tami Bright:

Enclosed are the analytical results for sample(s) received by the laboratory on February 12, 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

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

Sincerely,



Brad Smith
brad.smith@pacelabs.com
(386) 672-5668
Project Manager

Enclosures

cc: Katie Strothman, Sanders
Katie Strothman, Sanders Laboratories, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2102424
Pace Project No.: 35611629

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2102424

Pace Project No.: 35611629

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35611629001	2102424-001	Water	02/10/21 08:35	02/12/21 13:15
35611629002	2102424-002	Water	02/10/21 09:50	02/12/21 13:15
35611629003	2102424-003	Water	02/10/21 09:15	02/12/21 13:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2102424

Pace Project No.: 35611629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35611629001	2102424-001	EPA 547	ERS	1	PASI-O
35611629002	2102424-002	EPA 547	ERS	1	PASI-O
35611629003	2102424-003	EPA 547	ERS	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2102424
Pace Project No.: 35611629

Sample: 2102424-001		Lab ID: 35611629001		Collected: 02/10/21 08:35		Received: 02/12/21 13:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
547 HPLC Glyphosate		Analytical Method: EPA 547 Pace Analytical Services - Ormond Beach							
Glyphosate	0.0042 U	mg/L	0.0060	0.0042	1		02/16/21 23:42		
Sample: 2102424-002		Lab ID: 35611629002		Collected: 02/10/21 09:50		Received: 02/12/21 13:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
547 HPLC Glyphosate		Analytical Method: EPA 547 Pace Analytical Services - Ormond Beach							
Glyphosate	0.0042 U	mg/L	0.0060	0.0042	1		02/17/21 01:01		
Sample: 2102424-003		Lab ID: 35611629003		Collected: 02/10/21 09:15		Received: 02/12/21 13:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
547 HPLC Glyphosate		Analytical Method: EPA 547 Pace Analytical Services - Ormond Beach							
Glyphosate	0.0042 U	mg/L	0.0060	0.0042	1		02/17/21 00:45		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2102424
Pace Project No.: 35611629

QC Batch:	705456	Analysis Method:	EPA 547
QC Batch Method:	EPA 547	Analysis Description:	547 HPLC Glyphosate
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35611629001, 35611629002, 35611629003

METHOD BLANK: 3843772 Matrix: Water
Associated Lab Samples: 35611629001, 35611629002, 35611629003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Glyphosate	mg/L	0.0042 U	0.0060	0.0042	02/16/21 20:20	

LABORATORY CONTROL SAMPLE: 3843773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Glyphosate	mg/L	0.05	0.052	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3843774 3843775

Parameter	Units	35611712002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Glyphosate	mg/L	4.2 U ug/L	0.05	0.05	0.032	0.034	64	68	80-120	7	30	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3843776 3843777

Parameter	Units	35610932001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Glyphosate	mg/L	4.2 U ug/L	0.05	0.05	0.053	0.054	106	108	80-120	2	30	

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

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QUALIFIERS

Project: 2102424
Pace Project No.: 35611629

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

U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2102424

Pace Project No.: 35611629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35611629001	2102424-001	EPA 547	705456		
35611629002	2102424-002	EPA 547	705456		
35611629003	2102424-003	EPA 547	705456		

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY RECORD

Omega COCID 15836 PAGE: 1 OF: 1

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

WO#: 35611629



35611629

SUB CONTRACTOR: Pace		COMPANY: Pace Analytical		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 8 East Tower Circle							
CITY, STATE, ZIP: Ormond Beach, FL 32174							
PHONE: (386) 676-4837 FAX: (386) 673-4001 EMAIL:							
ACCOUNT #:							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	2102424-001E See Attached	SW-1	PACE BOTTLE	Surface Water	2/10/2021 8:35:00 AM	1	SW - Glyphosate EPA 547
2	2102424-002E See Attached	SW-3	PACE BOTTLE	Surface Water	2/10/2021 9:50:00 AM	1	SW - Glyphosate EPA 547
3	2102424-003E See Attached	SW-2	PACE BOTTLE	Surface Water	2/10/2021 9:15:00 AM	1	SW - Glyphosate EPA 547

Relinquished By: <i>[Signature]</i>	Date: 2/10/2021	Time: 3:27 PM	Received By: <i>[Signature]</i>	Date: 2-12-21	Time: 1:15	REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Temp of samples _____ °C Attempt to Cool? _____	
TAT: Standard ☐ RUSH ☐ Next BD ☐ 2nd BD ☐ 3rd BD ☐						Comments: _____	
Note: RUSH requests will incur surcharges!							

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

WO# : 35611629

Project #
Project Manager:
Client:

PM: BTS **Due Date: 02/26/21**
CLIENT: SANLAB

Date and Initials of person:
Examining contents: JW
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T338 Date: 2/12/21 Time: 1331 Initials: Hmw

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C <u>4.3</u> (Visual) <u>+0.3</u> (Correction Factor) <u>4.6</u> (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) _____ (Actual)	☐ Samples on ice, cooling process has begun

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☒ Standard Overnight ☐ Ground ☐ International Priority

Billing: ☒ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # 8152 6470 8505

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Ice: Wet Blue Dry None

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other melted

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
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	☐ 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/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____

Date: _____

February 22, 2021

Tami Bright
Sanders Laboratories, Inc.
1050 Endeavor Court
Nokomis, FL 34275

RE: Project: 2102424
Pace Project No.: 35611622

Dear Tami Bright:

Enclosed are the analytical results for sample(s) received by the laboratory on February 12, 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

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

Sincerely,



Brad Smith
brad.smith@pacelabs.com
(386) 672-5668
Project Manager

Enclosures

cc: Katie Strothman, Sanders
Katie Strothman, Sanders Laboratories, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2102424
Pace Project No.: 35611622

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2102424

Pace Project No.: 35611622

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35611622001	2102424-001	Water	02/10/21 08:35	02/12/21 13:15
35611622002	2102424-002	Water	02/10/21 09:50	02/12/21 13:15
35611622003	2102424-003	Water	02/10/21 09:15	02/12/21 13:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2102424

Pace Project No.: 35611622

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35611622001	2102424-001	EPA 365.3	MRC	1	PASI-O
35611622002	2102424-002	EPA 365.3	MRC	1	PASI-O
35611622003	2102424-003	EPA 365.3	MRC	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2102424
Pace Project No.: 35611622

Sample: 2102424-001		Lab ID: 35611622001		Collected: 02/10/21 08:35		Received: 02/12/21 13:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.3 Phosph. Total Low Level		Analytical Method: EPA 365.3 Preparation Method: EPA 365.3 Pace Analytical Services - Ormond Beach							
Phosphorus, Total (as P) LL	0.0095	mg/L	0.0040	0.0028	1	02/19/21 14:07	02/19/21 16:21	7723-14-0	
Sample: 2102424-002		Lab ID: 35611622002		Collected: 02/10/21 09:50		Received: 02/12/21 13:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.3 Phosph. Total Low Level		Analytical Method: EPA 365.3 Preparation Method: EPA 365.3 Pace Analytical Services - Ormond Beach							
Phosphorus, Total (as P) LL	0.0082	mg/L	0.0040	0.0028	1	02/19/21 14:07	02/19/21 16:22	7723-14-0	
Sample: 2102424-003		Lab ID: 35611622003		Collected: 02/10/21 09:15		Received: 02/12/21 13:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.3 Phosph. Total Low Level		Analytical Method: EPA 365.3 Preparation Method: EPA 365.3 Pace Analytical Services - Ormond Beach							
Phosphorus, Total (as P) LL	0.022	mg/L	0.0040	0.0028	1	02/19/21 14:07	02/19/21 16:23	7723-14-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2102424
Pace Project No.: 35611622

QC Batch:	706603	Analysis Method:	EPA 365.3
QC Batch Method:	EPA 365.3	Analysis Description:	365.3 Low Level Total Phosphorus
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35611622001, 35611622002, 35611622003

METHOD BLANK: 3851084 Matrix: Water
Associated Lab Samples: 35611622001, 35611622002, 35611622003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus, Total (as P) LL	mg/L	0.0028 U	0.0040	0.0028	02/19/21 16:01	

LABORATORY CONTROL SAMPLE: 3851085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P) LL	mg/L	0.1	0.093	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3851087 3851086

Parameter	Units	35611337009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus, Total (as P) LL	mg/L	0.032	0.1	0.1	0.12	0.13	89	100	80-120	9	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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2102424
Pace Project No.: 35611622

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

U Compound was analyzed for but not detected.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2102424

Pace Project No.: 35611622

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35611622001	2102424-001	EPA 365.3	706603	EPA 365.3	706696
35611622002	2102424-002	EPA 365.3	706603	EPA 365.3	706696
35611622003	2102424-003	EPA 365.3	706603	EPA 365.3	706696

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY RECORD

Omega COCID 15844 PAGE: 1 OF: 1

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

W0# : 35611622



35611622



SUB CONTRACTOR: Pace		COMPANY: Pace Analytical		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS: 8 East Tower Circle							
CITY, STATE, ZIP: Ormond Beach, FL 32174							
PHONE: (386) 676-4837 FAX: (386) 673-4001 EMAIL:							
ACCOUNT #:							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	2102424-001B See Attached	SW-1	250PL-H2SO4	Surface Water	2/10/2021 8:35:00 AM	1	LOW LEVEL TP
2	2102424-002B See Attached	SW-3	250PL-H2SO4	Surface Water	2/10/2021 9:50:00 AM	1	
3	2102424-003B See Attached	SW-2	250PL-H2SO4	Surface Water	2/10/2021 9:15:00 AM	1	

Relinquished By: THA	Date: 2/10/21	Time: 12:15	Received By: [Signature]	Date: 2-12-21	Time: 12:15	REPORT TRANSMITTAL DESIRED: ☐ HARD COPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Temp of samples 4.6 °C Attempt to Cool ?	
TAT: Standard ☐ RUSH ☐ 2nd BD ☐ 3rd BD ☐						Comments:	
Note: RUSH requests will incur surcharges!							

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

Project #
Project Manager:
Client:

WO# : 35611622

PM: BTS Due Date: 02/19/21
CLIENT: SANLAB

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Thermometer Used: T338

Date: 2/12/21

Time: 1331

Initials: Hmw

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 4.3 (Visual) +0.3 (Correction Factor) 4.6 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☒ Standard Overnight ☐ Ground ☐ International Priority

☐ Other

Billing: ☒ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

8152

6470

8505

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

Seals intact: ☐ Yes ☒ No

Ice: (Wet) Blue Dry None

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete)

Shorted Date:

Shorted Time:

Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
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	☐ 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/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Person Contacted:

Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review:

Date:

LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

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STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida(Primary AB)*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon*	4156
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

110 South Hill Street
 South Bend, IN 46617
 Tel: (574) 233-4777
 Fax: (574) 233-8207
 1 800 332 4345

Laboratory Report

Client: Sanders Laboratories, Inc

 Attn: Katie Strothman
 10090 Bavaria Road
 Fort Myers, FL 33913

Report: 510508
 Priority: Standard Written
 Status: Final
 PWS ID: Not Supplied

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4834682	2102424-001D/SW-1	S150	02/10/21 08:35	Client	02/15/21 10:00
4834683	2102424-002D/SW-3	S150	02/10/21 09:50	Client	02/15/21 10:00
4834684	2102424-003D/SW-2	S150	02/10/21 09:15	Client	02/15/21 10:00

Report Summary

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Jessie Brasch at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA.



Analytical Services Manager

Authorized Signature

Title

02/24/2021

Date

Client Name: Sanders Laboratories, Inc
 Report #: 510508

Client Name: Sanders Laboratories, Inc

Report #: 510508

Sampling Point: 2102424-001D/SW-1

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120068-37-3	Fipronil	S150	---	0.5	< 0.5	ug/L	02/17/21 07:52	02/17/21 19:54	4834682

Sampling Point: 2102424-002D/SW-3

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120068-37-3	Fipronil	S150	---	0.5	< 0.5	ug/L	02/17/21 07:52	02/17/21 20:25	4834683

Sampling Point: 2102424-003D/SW-2

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120068-37-3	Fipronil	S150	---	0.5	< 0.5	ug/L	02/17/21 07:52	02/17/21 20:55	4834684

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows: $(\text{MS or MSD value} - \text{Sample value}) \times 100 / \text{spike target} / \text{dilution factor} = \text{Recovery \%}$

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.



CHAIN OF CUSTODY RECORD

Omega COCID 15835 PAGE: 1 OF: 1

ADDRESS
407535
510508
Ft. Myers Lab02
10090 Bavaria Rd.
Fort Myers, FL 33913
TEL: (239) 590-0337
FAX: (239) 590-0536
Website: www.sanderslabs.net

SUB CONTRACTOR: Eurofins		COMPANY:		SPECIAL INSTRUCTIONS / COMMENTS:			
ADDRESS:							
CITY, STATE, ZIP:							
PHONE:		FAX:		EMAIL:			
ACCOUNT #:							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	2102424-001D See Attached	SW-1		Surface Water	2/10/2021 8:35:00 AM	1	Fipronil - Ship to Eurofins 4834682
2	2102424-002D See Attached	SW-3		Surface Water	2/10/2021 9:50:00 AM	1	Fipronil - Ship to Eurofins 83
3	2102424-003D See Attached	SW-2		Surface Water	2/10/2021 9:15:00 AM	1	Fipronil - Ship to Eurofins 84

med red cooler
#069

Relinquished By: <i>MLH</i>	Date: 2/11/21	Time:	Received By:	Date:	Time:	REPORT TRANSMITTAL DESIRED: ☐ HARD COPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		
Relinquished By:	Date:	Time:	Received By: <i>Tracy-Note</i>	Date: 02-15-21	Time: 1000	FOR LAB USE ONLY Temp of samples 4.0 °C Attempt to Cool ? Comments:	
TAT:	Standard ☐		RUSH	Next BD ☐	2nd BD ☐	3rd BD ☐	
Note: RUSH requests will incur surcharges!							



Eaton Analytical

Eurofins Eaton Analytical

Run Log

Run ID: **285714** Method: **S150**

<u>Type</u>	<u>Sample Id</u>	<u>Sample Site</u>	<u>Matrix</u>	<u>Instrument ID</u>	<u>Analysis Date</u>	<u>Calibration File</u>
CCC	4835772		OS	DN	02/17/2021 17:20	S150-DN-031516.mth
LFB	4835771		RW	DN	02/17/2021 17:51	S150-DN-031516.mth
LMB	4835770		RW	DN	02/17/2021 19:23	S150-DN-031516.mth
FS	4834682	2102424-001D/SW-1	SW	DN	02/17/2021 19:54	S150-DN-031516.mth
FS	4834683	2102424-002D/SW-3	SW	DN	02/17/2021 20:25	S150-DN-031516.mth
FS	4834684	2102424-003D/SW-2	SW	DN	02/17/2021 20:55	S150-DN-031516.mth

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCC	IS-Acenaphthene-d10	S150	N/A	---		860903	876286	ug/L	98	50 - 150	---	---	1.0	02/17/2021 07:52	02/17/2021 17:20	4835772
CCC	IS-Chrysene-d12	S150	N/A	---		478273	626792	ug/L	76	50 - 150	---	---	1.0	02/17/2021 07:52	02/17/2021 17:20	4835772
CCC	IS-Phenanthrene-d10	S150	N/A	---		606055	744704	ug/L	81	50 - 150	---	---	1.0	02/17/2021 07:52	02/17/2021 17:20	4835772
CCC	SS-Triphenylphosphate	S150	N/A	---		6.3010	5.0	ug/L	126	70 - 130	---	---	1.0	02/17/2021 07:52	02/17/2021 17:20	4835772
CCC	Fipronil	S150	0.5	---		7.0990	5.0	ug/L	142	67 - 152	---	---	1.0	02/17/2021 07:52	02/17/2021 17:20	4835772
LFB	IS-Acenaphthene-d10	S150	N/A	---		857924	876286	ug/L	98	50 - 150	---	---	1.0	02/17/2021 07:52	02/17/2021 17:51	4835771
LFB	IS-Chrysene-d12	S150	N/A	---		513743	626792	ug/L	82	50 - 150	---	---	1.0	02/17/2021 07:52	02/17/2021 17:51	4835771
LFB	IS-Phenanthrene-d10	S150	N/A	---		641336	744704	ug/L	86	50 - 150	---	---	1.0	02/17/2021 07:52	02/17/2021 17:51	4835771
LFB	SS-Triphenylphosphate	S150	N/A	---		5.4490	5.0	ug/L	109	70 - 130	---	---	1.0	02/17/2021 07:52	02/17/2021 17:51	4835771
LFB	Fipronil	S150	0.5	---		5.9810	5.0	ug/L	120	65 - 141	---	---	1.0	02/17/2021 07:52	02/17/2021 17:51	4835771
LMB	IS-Acenaphthene-d10	S150	N/A	---		819173	876286	ug/L	93	50 - 150	---	---	0.99	02/17/2021 07:52	02/17/2021 19:23	4835770
LMB	IS-Chrysene-d12	S150	N/A	---		492657	626792	ug/L	79	50 - 150	---	---	0.99	02/17/2021 07:52	02/17/2021 19:23	4835770
LMB	IS-Phenanthrene-d10	S150	N/A	---		619302	744704	ug/L	83	50 - 150	---	---	0.99	02/17/2021 07:52	02/17/2021 19:23	4835770
LMB	SS-Triphenylphosphate	S150	N/A	---		5.8260	5.0	ug/L	118	70 - 130	---	---	0.99	02/17/2021 07:52	02/17/2021 19:23	4835770
LMB	Fipronil	S150	0.5	---	<	0.5		ug/L	---	---	---	---	0.99	02/17/2021 07:52	02/17/2021 19:23	4835770
FS	IS-Acenaphthene-d10	S150	N/A	2102424-001D/SW-1		882556	876286	ug/L	101	50 - 150	---	---	0.96	02/17/2021 07:52	02/17/2021 19:54	4834682
FS	IS-Chrysene-d12	S150	N/A	2102424-001D/SW-1		592512	626792	ug/L	95	50 - 150	---	---	0.96	02/17/2021 07:52	02/17/2021 19:54	4834682
FS	IS-Phenanthrene-d10	S150	N/A	2102424-001D/SW-1		719714	744704	ug/L	97	50 - 150	---	---	0.96	02/17/2021 07:52	02/17/2021 19:54	4834682
FS	SS-Triphenylphosphate	S150	N/A	2102424-001D/SW-1		5.2090	5.0	ug/L	109	70 - 130	---	---	0.96	02/17/2021 07:52	02/17/2021 19:54	4834682
FS	Fipronil	S150	0.5	2102424-001D/SW-1	<	0.5		ug/L	---	---	---	---	0.96	02/17/2021 07:52	02/17/2021 19:54	4834682
FS	IS-Acenaphthene-d10	S150	N/A	2102424-002D/SW-3		885793	876286	ug/L	101	50 - 150	---	---	0.98	02/17/2021 07:52	02/17/2021 20:25	4834683
FS	IS-Chrysene-d12	S150	N/A	2102424-002D/SW-3		565862	626792	ug/L	90	50 - 150	---	---	0.98	02/17/2021 07:52	02/17/2021 20:25	4834683
FS	IS-Phenanthrene-d10	S150	N/A	2102424-002D/SW-3		694136	744704	ug/L	93	50 - 150	---	---	0.98	02/17/2021 07:52	02/17/2021 20:25	4834683
FS	SS-Triphenylphosphate	S150	N/A	2102424-002D/SW-3		5.6680	5.0	ug/L	116	70 - 130	---	---	0.98	02/17/2021 07:52	02/17/2021 20:25	4834683
FS	Fipronil	S150	0.5	2102424-002D/SW-3	<	0.5		ug/L	---	---	---	---	0.98	02/17/2021 07:52	02/17/2021 20:25	4834683
FS	IS-Acenaphthene-d10	S150	N/A	2102424-003D/SW-2		851399	876286	ug/L	97	50 - 150	---	---	0.95	02/17/2021 07:52	02/17/2021 20:55	4834684
FS	IS-Chrysene-d12	S150	N/A	2102424-003D/SW-2		584721	626792	ug/L	93	50 - 150	---	---	0.95	02/17/2021 07:52	02/17/2021 20:55	4834684
FS	IS-Phenanthrene-d10	S150	N/A	2102424-003D/SW-2		702264	744704	ug/L	94	50 - 150	---	---	0.95	02/17/2021 07:52	02/17/2021 20:55	4834684
FS	SS-Triphenylphosphate	S150	N/A	2102424-003D/SW-2		4.8990	5.0	ug/L	103	70 - 130	---	---	0.95	02/17/2021 07:52	02/17/2021 20:55	4834684
FS	Fipronil	S150	0.5	2102424-003D/SW-2	<	0.5		ug/L	---	---	---	---	0.95	02/17/2021 07:52	02/17/2021 20:55	4834684

Sample Type Key

<u>Type (Abbr.)</u>	<u>Sample Type</u>	<u>Type (Abbr.)</u>	<u>Sample Type</u>
CCC	Continuing Calibration Check		
FS	Field Sample		
LFB	Laboratory Fortified Blank		
LMB	Laboratory Method Blank		

END OF REPORT