



# Analytical Laboratory Report

Report ID: S54811.01(01)  
Generated on 11/20/2023

Report to

Attention: Kevin Schaak  
ForeverLawn Inc.  
8007 Beeson Street NW  
Louisville OH 44641

Phone: 330-499-8873 FAX:  
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Report produced by

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Report Summary

Lab Sample ID(s): S54811.01  
Project: K9 Grass - Classic Plus  
Collected Date(s): 10/18/2023  
Submitted Date/Time: 10/20/2023 09:20  
Sampled by: Kevin Schaak  
P.O. #:

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Maya Murshak  
Technical Director



# Analytical Laboratory Report

## General Report Notes

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Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request. Starred (\*) analytes are not NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

## Report Narrative

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There is no additional narrative for this analytical report



# Analytical Laboratory Report

## Laboratory Accreditations

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

## Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

## Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



# Analytical Laboratory Report

## Method Summary

Method	Version
ASTM D7968-17M	ASTM Method D7968 - 17 Modified (Isotopic Dilution)

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# Analytical Laboratory Report

## Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6
FHpPA (7:3 FTCA)	3-Perfluoroheptyl propanoic acid	812-70-4
FPePA (5:3 FTCA)	3-Perfluoropentyl propanoic acid	914637-49-3
FPrPA (3:3 FTCA)	3-Perfluoropropyl propanoic acid	356-02-5
PFBSA	Perfluorobutanesulfonamide	30334-69-1
PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	67584-42-3
PFHxSA	Perfluorohexanesulfonamide	41997-13-1



# Analytical Laboratory Report

## Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S54811.01	K9 Grass - Classic Plus	Solid	10/18/23 10:00



# Analytical Laboratory Report

Lab Sample ID: S54811.01

Sample Tag: K9 Grass - Classic Plus

Collected Date/Time: 10/18/2023 10:00

Matrix: Solid

COC Reference:

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250mL Plastic	None	No	RT	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	15.38/14.36/30	ASTM D7968-17M	11/06/23 11:17	PTW	

### Organics

34 PFAs, Method: ASTM D7968-17M, Run Date: 11/09/23 03:05, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	590		ng/kg	29.4	375-22-4	I
PFPeA*	Not detected	290		ng/kg	29.4	2706-90-3	
4:2 FTSA*	Not detected	290		ng/kg	29.4	757124-72-4	I
PFHxA*	Not detected	290		ng/kg	29.4	307-24-4	
PFBS*	Not detected	290		ng/kg	29.4	375-73-5	
PFHpA*	Not detected	290		ng/kg	29.4	375-85-9	
PFPeS*	Not detected	290		ng/kg	29.4	2706-91-4	
6:2 FTSA*	Not detected	290		ng/kg	29.4	27619-97-2	I
PFOA*	Not detected	290		ng/kg	29.4	335-67-1	
PFHxS*	Not detected	290		ng/kg	29.4	355-46-4	
PFHxS-LN*	Not detected	290		ng/kg	29.4	355-46-4-LN	
PFHxS-BR*	Not detected	290		ng/kg	29.4	355-46-4-BR	
PFNA*	Not detected	290		ng/kg	29.4	375-95-1	
8:2 FTSA*	Not detected	290		ng/kg	29.4	39108-34-4	I
PFHpS*	Not detected	290		ng/kg	29.4	375-92-8	
PFDA*	Not detected	290		ng/kg	29.4	335-76-2	
N-MeFOSAA*	Not detected	290		ng/kg	29.4	2355-31-9	
EtFOSAA*	Not detected	290		ng/kg	29.4	2991-50-6	I
PFOS*	Not detected	290		ng/kg	29.4	1763-23-1	I
PFOS-LN*	Not detected	290		ng/kg	29.4	1763-23-1-LN	I
PFOS-BR*	Not detected	290		ng/kg	29.4	1763-23-1-BR	I
PFUnDA*	Not detected	290		ng/kg	29.4	2058-94-8	
PFNS*	Not detected	290		ng/kg	29.4	68259-12-1	I
PFDODA*	Not detected	290		ng/kg	29.4	307-55-1	I
PFDS*	Not detected	290		ng/kg	29.4	335-77-3	I
PFTTrDA*	Not detected	290		ng/kg	29.4	72629-94-8	I
FOSA*	Not detected	290		ng/kg	29.4	754-91-6	
PFTeDA*	Not detected	290		ng/kg	29.4	376-06-7	
11Cl-PF3OUdS*	Not detected	290		ng/kg	29.4	763051-92-9	I
9Cl-PF3ONS*	Not detected	290		ng/kg	29.4	756426-58-1	I
ADONA*	Not detected	290		ng/kg	29.4	919005-14-4	
HFPO-DA*	Not detected	290		ng/kg	29.4	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	290		ng/kg	29.4	812-70-4	
FPePA (5:3 FTCA)*	Not detected	290		ng/kg	29.4	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	290		ng/kg	29.4	356-02-5	
PFBSA*	Not detected	290		ng/kg	29.4	30334-69-1	

I-Matrix interference with internal standard



# Analytical Laboratory Report

Lab Sample ID: S54811.01 (continued)

Sample Tag: K9 Grass - Classic Plus

34 PFAs, Method: ASTM D7968-17M, Run Date: 11/09/23 03:05, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	Not detected	290		ng/kg	29.4	67584-42-3	I
PFHxSA*	Not detected	290		ng/kg	29.4	41997-13-1	

I-Matrix interference with internal standard



# Merit Laboratories Login Checklist

Lab Set ID:S54811

Client:MISCPFC (ForeverLawn Inc.)

Project: K9 Grass - Classic Plus

Submitted: 10/20/2023 09:20 Login User: PFD

Attention: Kevin Schaak

Address: ForeverLawn Inc.  
8007 Beeson Street NW  
Louisville OH 44641

Phone: 330-499-8873

FAX:

Email: kschaack@foreverlawn.com

Selection	Description	Note
<b>Sample Receiving</b>		
01.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples are received at 4C +/- 2C Thermometer # RT
02.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Received on ice/ cooling process begun
03.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Samples shipped FedEx
04.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples left in 24 hr. drop box
05.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are there custody seals/tape or is the drop box locked
<b>Chain of Custody</b>		
06.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COC adequately filled out
07.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COC signed and relinquished to the lab
08.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sample tag on bottles match COC
09.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Subcontracting needed? Subcontracted to:
<b>Preservation</b>		
10.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Do sample have correct chemical preservation
11.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Completed pH checks on preserved samples? (no VOAs)
12.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Did any samples need to be preserved in the lab?
<b>Bottle Conditions</b>		
13.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	All bottles intact
14.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Appropriate analytical bottles are used
15.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Merit bottles used
16.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sufficient sample volume received
17.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples require laboratory filtration
18.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Samples submitted within holding time
19.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Do water VOC or TOX bottles contain headspace

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: \_\_\_\_\_ Date: \_\_\_\_\_



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Phone (517) 332-0167 Fax (517) 332-4034  
www.meritlabs.com

C.O.C. PAGE # \_\_\_\_\_ OF \_\_\_\_\_

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **Kevin Schaack**  
COMPANY **ForeverLawn Inc.**  
ADDRESS **8007 Beeson Street NW**  
CITY **Louisville** STATE **OH** ZIP CODE **44641**  
PHONE NO. **330-499-8873** FAX NO. \_\_\_\_\_ P.O. NO. **N/A**  
E-MAIL ADDRESS **kschaack@foreverlawn.com** QUOTE NO. \_\_\_\_\_

CONTACT NAME  SAME  
COMPANY \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
PHONE NO. \_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

PROJECT NO./NAME **K9 Grass - Classic Plus** SAMPLER(S) - PLEASE PRINT/SIGN NAME *Kevin Schaack*  
TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER \_\_\_\_\_  
DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER \_\_\_\_\_

MATRIX CODE: GW=GROUNWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER	# Containers & Preservatives								
	DATE	TIME																			
54811.01	10-18	10 am	K9 Grass - Classic Plus	SD	1																

Certifications			
<input type="checkbox"/>	OHIO VAP	<input type="checkbox"/>	Drinking Water
<input type="checkbox"/>	DoD	<input type="checkbox"/>	NPDES
Project Locations			
<input type="checkbox"/>	Detroit	<input type="checkbox"/>	New York
<input checked="" type="checkbox"/>	Other Ohio		
Special Instructions			

RELINQUISHED BY: *Kevin Schaack* ForeverLawn Inc DATE **10/18** TIME **10 AM**  
RECEIVED BY: *Fed Ex* DATE **10/18** TIME \_\_\_\_\_  
RELINQUISHED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
RECEIVED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

RELINQUISHED BY: *Fed Ex* DATE **10/20/23** TIME **9:00**  
RECEIVED BY: *RTW* DATE **10/20/23** TIME **9:00**  
SEAL NO. \_\_\_\_\_ SEAL INTACT YES  NO  INITIALS \_\_\_\_\_  
SEAL NO. \_\_\_\_\_ SEAL INTACT YES  NO  INITIALS \_\_\_\_\_  
NOTES: *RT* TEMP. ON ARRIVAL \_\_\_\_\_

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE