

RTI Laboratories 33080 Industrial Rd. Livonia, MI 48150 TEL: (734) 422-8000

Website: www.rtilab.com

Friday, August 11, 2023

Grayson Anderson Sprinturf 146 Fairchild Street, Suite 150 Daniel Island, SC 29492

TEL: (843) 936-6023

FAX:

RE: Sprinturf sample Work Order #: 2307540 Dear Grayson Anderson:

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

This report may only be reproduced in its entirety. Individual pages, reproduced without supporting documentation, do not contain related information and may be misinterpreted by other data reviewers.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lloyd Kaufman

Vice President, Director of Materials Sciences

RTI Laboratories, Inc. - Analytical Report

WO#: 2307540

Date Reported: 8/11/2023

Solid

Original

Client: Sprinturf Collection Date: 7/19/2023 12:00:00 AM

Project: Sprinturf sample Lab ID: 2307540-001

Lab ID: 2307540-001 Matrix:
Client Sample ID: Black Solid

Result RL Qual **Units DF Date Analyzed Analysis Perfluorinated Compounds Solid Matrix** Method: DOD QSM5.3 Analyst: DKS LC/MS/MS **B15** 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonate ND 35000 ng/Kg 8/11/2023 11:20 AM (11CI-PF3OYUdS) ND 35000 8/11/2023 11:20 AM 1H,1H,2H,2H-Perfluorodecanesulfonate (8:2 FTS) ng/Kg 1H,1H,2H,2H-Perfluorohexanesulfonate (4:2 FTS) ND 35000 8/11/2023 11:20 AM ng/Kg 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS) ND 35000 8/11/2023 11:20 AM ng/Kg 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonate ND 35000 8/11/2023 11:20 AM ng/Kg (9CI-PF3ONS) Dodecafluoro-3H-4,8-dioxanonanoate (ADONA) ND 35000 ng/Kg 8/11/2023 11:20 AM HFPO-DA (GEN X) ND 35000 ng/Kg 8/11/2023 11:20 AM N-ethyl perfluorooctanesulfonamidoacetic acid (N-35000 ND ng/Kg 8/11/2023 11:20 AM EtFOSAA) N-methyl perfluorooctanesulfonamidoacetic acid (N-ND 35000 8/11/2023 11:20 AM ng/Kg MeFOSAA) Perfluorobutanesulfonic acid (PFBS) ND 35000 ng/Kg 8/11/2023 11:20 AM Perfluorobutanoic acid (PFBA) ND 35000 8/11/2023 11:20 AM ng/Kg ND 35000 Perfluorodecanesulfonate (PFDS) ng/Kg 8/11/2023 11:20 AM Perfluorodecanoic acid (PFDA) ND 35000 ng/Kg 8/11/2023 11:20 AM Perfluorododecanoic acid (PFDoA) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluoroheptanesulfonate (PFHpS) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluoroheptanoic acid (PFHpA) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluorohexanesulfonic acid (PFHxS) ND 35000 ng/Kg 8/11/2023 11:20 AM Perfluorohexanoic acid (PFHxA) ND 35000 ng/Kg 8/11/2023 11:20 AM 35000 8/11/2023 11:20 AM Perfluorononanesulfonate (PFNS) ND ng/Kg 8/11/2023 11:20 AM Perfluorononanoic acid (PFNA) ND 35000 ng/Kg Perfluorooctanesulfonic acid (PFOS) ND 35000 ng/Kg 8/11/2023 11:20 AM Perfluorooctanoic acid (PFOA) ND 35000 ng/Kg 8/11/2023 11:20 AM Perfluorooctansulfonamide (FOSA) ND 35000 ng/Kg 8/11/2023 11:20 AM Perfluoropentanesulfonate (PFPeS) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluoropentanoic acid (PFPeA) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluorotetradecanoic acid (PFTeDA) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluorotridecanoic acid (PFTrDA) ND 35000 8/11/2023 11:20 AM ng/Kg Perfluoroundecanoic acid (PFUdA) ND 35000 ng/Kg 8/11/2023 11:20 AM Surr: MFPBA 196 50-150 S %Rec 8/11/2023 11:20 AM S Surr: M5PFPeA 150 50-150 %Rec 8/11/2023 11:20 AM Surr: M3PFBS 127 50-150 %Rec 8/11/2023 11:20 AM 8/11/2023 11:20 AM Surr: M2-4:2FTS 68.4 50-150 %Rec Surr: M5PFHxA 76.1 50-150 %Rec 8/11/2023 11:20 AM Surr: M3 GEN X 53.6 50-150 %Rec 8/11/2023 11:20 AM Surr: M5PFHpA 72.3 50-150 %Rec 8/11/2023 11:20 AM Surr: M3PFHxS 89.7 50-150 %Rec 8/11/2023 11:20 AM Surr: M2-6:2FTS 97.8 50-150 %Rec 8/11/2023 11:20 AM Surr: M8PFOA 88.3 50-150 %Rec 8/11/2023 11:20 AM Surr: M9PFNA 96.1 50-150 %Rec 8/11/2023 11:20 AM

RTI Laboratories, Inc. - Analytical Report

WO#: 2307540

Date Reported: 8/11/2023

Original

Client: Sprinturf Collection Date: 7/19/2023 12:00:00 AM

Project: Sprinturf sample Lab ID: 2307540-001

Client Sample ID: Black Solid

Matrix: Solid

Analysis	Result	RL	Qual	Units	DF	Date Analyzed
Surr: M8PFOS	94.0	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: M2-8:2FTS	173	50-150	S	%Rec	1	8/11/2023 11:20 AM
Surr: M6PFDA	144	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: D3-N-MeFOSAA	58.2	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: D5-N-EtFOSAA	124	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: M7PFUdA	69.8	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: M8FOSA	54.1	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: MPFDoA	104	50-150		%Rec	1	8/11/2023 11:20 AM
Surr: M2PFTeDA	62.4	50-150		%Rec	1	8/11/2023 11:20 AM

RTI Laboratories, Inc. - Definitions and Acronyms

WO#: 2307540

Date Reported: 8/11/2023

Original

DEFINITIONS:

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known amount of target analytes to a specified amount of clean matrix and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: A duplicate LCS sample, used to calculate both Accuracy (%REC) and Precision (%RPD)

L+: LCS Failed High

L-: LCS Failed Low

MBLK: Method Blank; a sample of similar matrix that does not contain target analytes or interference that may impact the analytical results and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, used to assess and verify that the analytical process is free of contamination.

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (W/W) or milligram per Liter (W/V).

MS: Matrix Spike; prepared by adding a known amount of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: A duplicate MS sample, used to calculate both Accuracy (%REC) and Precision (%RPD)

% REC: Percent Recovery of a known spike (SPK); a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration (SPK) added to the sample. This is compared to the Low Limit and High Limit.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration. This is compared to the RPD Limit.

PL: Permit limit:; Not included on all reports. Used primarily for wastewater discharge permits.

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported

RL: Reporting Limit: See PQL

SPK: Spike; used in the QC section for both SPK Value and SPK Ref Val

Ug/Kg or ug/L: Units of part per billion (PPB) – microgram per Kilogram (W/W) or microgram per Liter (W/V).

QUALIFIERS:

*/X: Reported value exceeds the maximum allowed concentration by regulation or permit

B/v: Analyte detected in the associated Method Blank at a concentration > RL.

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H/@: Holding time for preparation or analysis has been exceeded

J/n: Analyte concentration is reported, and is less than the PQL and greater than or equal to the established MDL. Greater uncertainty is associated with this result and data reported is estimated. These analytes are not routinely reviewed nor narrated as to their potential for being laboratory artifacts.

m/M: Manual Integration used to determine area response

ND/t: Analyte concentration is less than the Reporting Limit.

P: Second column RPD exceeds 40%

R: % RPD exceeds control limits

S/Q: % REC exceeds control limits

T: MBLK result is greater than 1/2 of the LOQ

U: The analyte concentration is less than the DL.

\: Laboratory Control Sample (LCS) recovery outside of acceptable range

/: Matrix Spike (MS) recovery outside of acceptable range

Y: CCV % REC exceeds control limits

Z: ICV % REC exceeds control limits

CHAIN OF CUSTODY

PAGE.	OF:
i	1
	1
l	.1

Environmental Sciences Division

Materials Testing Division

PHONE; (734) 422-8000 FAX: (734) 422-5342 vavv.ridab.com

RTI LABORATORIES

11628 Giendale Street

30000 industrial Road ылопа M 48150

RII WORK ORDER NO.		Please Include Email Address of Report Recipient 41	
SUBMITTING COMPANY		Seth Fland	ALL YO
PROJECT NAME PROJECT &	Q. 011 B	TOP Chaice Turt	SAME
SAMPLING LOCATION ISTATE OF COURTRY	a management of the second of	3610 W. Praylind	AVR-
SPECIAL INSTRUCTIONS COMMENTS		Dunbar, PA 154	Gry state 200
		724-802-8777 Sfrand @	Pochuse trif. (017)
SAMPLER'S PLANTED NAME	SAUPLIES S'INATURE		ST'S REQUESTED
DATE SAMPLED	The Seas (1) of the Seas (1) o	NOWE OF COUTULES AND HOLD AND	OCAMENTS GOAMENTS Methanol Prasorven Aregins NOT Sample Dissort Additional Sample Dissort Are Visions, and
131ack Solid 7-1923	30		Ha 1
6	# 15 10 10 10 10 10 10 10 10 10 10 10 10 10		
· 6			
SETH FTANO 7/20/23 11- 2	DA MAN	7-23 10:15	REPORT TRANSMITTAL DESIRED:
Pelinguished By Dale 1	ON VERIOUS BY	Date: Tye.	HAROCOFY (CHES 1080) FAX EMAIL ONLINE ALL REPORTING IS VIA THE NEW PLASHPOINT FOR LINE SYSTEM LINLESS OTHERWISE SPECIFIED.
Rollinguisted Py Date 1a	ns — Гэслэхэ д Бу .	The second secon	FOR LAB USE ONLY 1-mont semptes C Or Western 2
TURNAROUND DESIRED: Standard	RUSH: Naxi BD [] 2nd St. □ → (□) : RUSH requests will incur surcharges!	Contrients
Distribution White Lab Pink - Fisig MATRIX CODES: A CAUR DW # DRINKING WATE SD = SOLID SC - SUDGE			Service + Dil. VEN H WASTE WATER S = 500. + VEN SW = SU-FACE WATER



ORIGIN ID:TDZA (724) 802-0977 SETH JAMES FIANO

3610 W CRAWFORD AVE

DUNBAR, PA 15431 UNITED STATES US

SHIP DATE: 19JUL23 ACTWGT: 6.40 LB CAD: 6992711/SSF02422 DIMS: 11x8x7 IN

BILL CREDIT CARD

ARMANDO FLORES RTI LABORATORIES, INC 31628 GLENDALE ST

LIVONIA MI 48150 (734) 422-8000 X 202

FedEx Express

TRK# 7813 7131 7269

66 CFAA

THU - 20 JUL 10:30A PRIORITY OVERNIGHT

48150 MI-US DTW

R35





Contact Us Today!

Call or click "get a quote" for a free estimate and/or consultation today! Thank you for making the Right Choice, with TopChoice!

TopChoice Turf LLC

COLO MOST OSSIBLE ACCORD, DONNER DOSSIBLES ATAOA

EMAIL sfiano@topchoiceturf.com

Page 8 of 10

Subject: Re: Complete the COC

From: Seth Fiano <sfiano@topchoiceturf.com>

Date: 07/27/2023, 2:24 PM

To: Armando Flores <aflores@rtilab.com>

Please Note. Company name is Sprinturf. If you need anything else please let me know. Thank you

Get Outlook for Android

From: Armando Flores <aflores@rtilab.com>

Sent: Monday, July 24, 2023 1:05:55 PM To: Seth Fiano <sfiano@topchoiceturf.com>

Subject: Complete the COC

Hello,

with sampling date/time, project name and signature. Return the COC to me so we can begin the analysis. Attached is a Chain of Custody (COC) I created with the available info I had. Please complete the COC

Thank you.

Sample Custodian Armando Flores

RTI Laboratories, Inc.

31628 Glendale Street

Livonia, MI 48150

aliores@riiab.com

(O) (734) 422-8000 ext. 202 (F) (734) 422-5432

RTI L'ABORATORIES

Scientific Solutions for Your Success!

Attachments:

TopChoice Turf COC.pdf

751 KB

RTI LABORATORIES

CHAIN OF CUSTODY

PAGE	OF.

Environmental Sciences Division

31628 Clendale Street

Materials Testing Division

55980 inhustriat Road Evinta ME44150 PHONE: (734) 422-8000 FAX: (734) 422-5342 www.rfilab.com

RTI WORK ORD	ER NO:	3073	10)				daress	of Report I	(ecipien	1 !					
Sprintu	ırf	and the Magain that the commendate comment of a graph (by 1961), is specificated by the		TOTAL STATE OF THE		RT TO INA)n	Au	1 d+	V Si I	1	ELL	73		
रसक्टि ५ सह	FROJECT #		שיחטכי -	· ·	COMPANY						r		SAME			
HAMPLING LOCATION (STA					4DDR	14	16	Fi	alvc.	hile	15	it. ste	150	RESS.		
PECALASTRUCTIONS / COMMENTS.				T	Daniel Island SC 29492							2	CHY STATE ZIP F.O NUMBER.			
	Market and Address and the control of the control o	dikagangan gaga napi ngamununky samo a manaksaksaksaksa manaksaksaksa samo		'S HGNATURE	610 610		2-325	55	gar	nder	son@s	sprinturf.	- 1	NUMBER.		
CALLY FRY PRINTED NAME	;		ARTICLES	S HONATURE:							TE	STS REQUE	STED			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SAMPLE : Ü	OATE SAMPLED	Take SAMPLED Call from the	MATRIX CODE (see codes below)	NBR OF BOTTLES	NONE	é	SAUL SA	s	7 P 4 C				ph Acceptable? Y N	COMMENTS Methanol Preserved Weights HOT Sample Notation Additional Sample Description Air Volume, etc.	
Black	solid	71923		50		•		-		_ >	$\left\{ \perp \right\}$					
3															and the administration of the least first year gain and a second control of the COV STATES A SECOND STATES.	
					-							ahaad (\$1000 000 0000 0000 000 000 000 000 000			A late to complete a complete and the second complete	
A A Section 1			<u>i </u>	·												
)			-						+						~	
			<u> </u>			<u> </u>										
-1		Atomorphic Administration	ļ					-			.					
Faunquished Ex		Date	T-10	Received By	Til it	4		<u> </u>	7-20 Z	 } /u	1.75			REPOR	Transmittal desired:	
Product dense (Date	***D\$	Pacaived By	' <i>W</i>	yν	<u> </u>		Date		3 1941	<u> </u>	OPY (extra cost) R*ING IS VIA TH		FAX	
इतिस्तानाम्बर्धे वेर		Date	Varya	Raceived By:		and and advantage of the second se		-	D.ste	· •	7	'emp of sair	npies:		FOR LAB USE ONLY *C On Westice 9	
TURNAROUND DI	ESIRED: Standard		RUSH:				2nd BD [Convents				
Dis	aributson Whater Lab Pink - S A = AiR	Field DW = DRINKWG V	va t- P	GW =	GROUND		See revers		Leboration: 1	former and	t Conditions o	f Service	WW ≠ 5	waste wa	TER 5 y SOIL	
martin www.	SD = SOLID	St × Shudge	•		SOLVENT				/ = W4^//			Passing -		SURFACE W		

Page 10 of 10

Subject: RE: Complete the COC

From: Grayson Anderson <ganderson@sprinturf.com>

Date: 07/27/2023, 2:43 PM

To: Armando Flores <aflores@rtilab.com>

See attached additional information filed out

Regards,

Senior Project Manager

Grayson Anderson

(843) 648-0411

146 Fairchild St, Suite 150

Daniel Island, SC 29492

<u>ganderson@sprinturf.com</u>

From: Armando Flores <aflores@rtilab.com>

Sent: Thursday, July 27, 2023 2:34 PM

To: Grayson Anderson <ganderson@sprinturf.com>

Subject: Complete the COC

WARNING: This email originated from the Internet. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello,

analysis. with sampling date/time, project name and signature. Return the COC to me so we can begin the Attached is a Chain of Custody (COC) I created with the available info I had. Please complete the COC

Thank you.