



Source Test Report

The Chemours Company, FC, LLC
22828 Highway 87W
Fayetteville, NC 28306

Sources Tested: VEN Carbon Bed
Test Date: June 29-30, 2022

Project No. AST-2022-2345

Prepared By
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Regulatory Information

Permit No. Title V Permit No. 03735T48

Source Information

Source Name
VEN Carbon Bed (Inlet / Outlet)

Target Parameter
HFPO-DA

Contact Information

Test Location
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Alliance Technical Group, LLC (Alliance) has completed the source testing as described in this report. Results apply only to the source(s) tested and operating condition(s) for the specific test date(s) and time(s) identified within this report. All results are intended to be considered in their entirety, and Alliance is not responsible for use of less than the complete test report without written consent. This report shall not be reproduced in full or in part without written approval from the customer.

To the best of my knowledge and abilities, all information, facts and test data are correct. Data presented in this report has been checked for completeness and is accurate, error-free and legible. Onsite testing was conducted in accordance with approved internal Standard Operating Procedures. Any deviations or problems are detailed in the relevant sections in the test report.

This report is only considered valid once an authorized representative of Alliance has signed in the space provided below; any other version is considered draft. This document was prepared in portable document format (.pdf) and contains pages as identified in the bottom footer of this document.



Patrick Grady, QSTI
Project Manager
Alliance Technical Group, LLC

August 3, 2022

Date

TABLE OF CONTENTS

1.0 Introduction 1-1

 1.1 Source and Control System Descriptions 1-1

 1.2 Project Team 1-1

2.0 Summary of Results 2-1

3.0 Testing Methodology..... 3-1

 3.1 U.S. EPA Reference Test Methods 1 and 2 – Sampling/Traverse Points and Volumetric Flow Rate 3-1

 3.2 U.S. EPA Reference Test Method 4 – Moisture Content 3-1

 3.3 Modified Method 0010 – Hexafluoro-Propylene Oxide-Dimer Acid 3-1

 3.4 HFPO-DA Sample Train and Equipment Preparation 3-2

 3.5 HFPO-DA Sample Train Recovery..... 3-2

LIST OF TABLES

Table 1-1: Project Team 1-1

Table 2-1: Summary of Results 2-1

Table 3-1: Source Testing Methodology 3-1

APPENDICES

- Appendix A Sample Calculations
- Appendix B Field Data
- Appendix C Laboratory Data
- Appendix D Quality Assurance/Quality Control Data
- Appendix E Process Operating/Control System Data

Introduction

1.0 Introduction

Alliance Technical Group, LLC (Alliance) was retained by The Chemours Company (Chemours) to conduct compliance testing at the Fayetteville Works facility in Fayetteville, North Carolina. The facility operates under Title V Permit No. 03735T48. Source emissions testing was conducted at the inlet and outlet of the Vinyl Ethers North (VEN) carbon bed. The testing was conducted to evaluate emissions of hexafluoro-propylene oxide-dimer acid (HFPO-DA).

1.1 Source and Control System Descriptions

VEN is part of the fluoromonomer area at the Fayetteville facility. This area produces fluorocarbon compounds used to produce Chemours products, such as Nafion® Krytox® and Viton®. Indoor air fugitive emissions from VEN are vented to a carbon bed which is then vented to atmosphere through the Division Stack. Process emissions from VEN are directed to a thermal oxidizer.

1.2 Project Team

Personnel involved in this project are identified in the following table.

Table 1-1: Project Team

| | |
|---------------------------|---|
| Facility Personnel | Christel Compton Eddie Vega |
| Alliance Personnel | Patrick Grady Antonio Anderson Kathleen DeMong Brian Goodhile Steve Milo Jeffrey Sheldon |

Summary of Results

2.0 Summary of Results

Alliance conducted compliance testing at the Fayetteville Works facility in Fayetteville, North Carolina on June 29 and 30, 2022. Testing consisted of determining the emission rates of HFPO-DA at the inlet and outlet of the VEN carbon bed. The VEN unit was running a campaign of PPVE during the test program.

Table 2-1 provides a summary of the emission testing results. Note that during Run 1 there was a leak in the tower which affected the results of this test run. The emissions from this leak have been captured in the 12-month rolling calculation under accidental releases for June 29, 2022. Any difference between the summary results listed in the following tables and the detailed results contained in appendices is due to rounding for presentation.

Table 2-1: Summary of Results

| Run Number | Run 1 | Run 2 | Run 3 | Average |
|-----------------------------|---------|---------|---------|---------|
| Date | 6/29/22 | 6/30/22 | 6/30/22 | -- |
| HFPO-DA Data | | | | |
| Outlet Emission Rate, lb/hr | 4.7E-01 | 1.8E-02 | 3.3E-02 | 1.8E-01 |
| Inlet Emission Rate, lb/hr | 1.8E-03 | 4.4E-05 | 4.4E-05 | 6.3E-04 |
| Reduction Efficiency, % | 99.6 | 99.8 | 99.9 | 99.7 |

Testing Methodology

3.0 Testing Methodology

The emission testing program was conducted in accordance with the test methods listed in Table 3-1. Method descriptions are provided below while quality assurance/quality control data is provided in Appendix C.

Table 3-1: Source Testing Methodology

| Parameter | U.S. EPA Reference Test Methods | Notes/Remarks |
|---------------------------------------|---------------------------------|-------------------------|
| Volumetric Flow Rate | 1 & 2 | Full Velocity Traverses |
| Moisture Content | 4 | Gravimetric Analysis |
| Hexafluoro-Propylene Oxide-Dimer Acid | Modified Method 0010 | Isokinetic Sampling |

3.1 U.S. EPA Reference Test Methods 1 and 2 – Sampling/Traverse Points and Volumetric Flow Rate

The sampling location and number of traverse (sampling) points were selected in accordance with U.S. EPA Reference Test Method 1. To determine the minimum number of traverse points, the upstream and downstream distances were equated into equivalent diameters and compared to Figure 1-1 in U.S. EPA Reference Test Method 1.

Full velocity traverses were conducted in accordance with U.S. EPA Reference Test Method 2 to determine the average stack gas velocity pressure, static pressure and temperature. The velocity and static pressure measurement system consisted of a pitot tube and inclined manometer. The stack gas temperature was measured with a K-type thermocouple and pyrometer.

3.2 U.S. EPA Reference Test Method 4 – Moisture Content

The stack gas moisture content was determined in accordance with U.S. EPA Reference Test Method 4. The gas conditioning train consisted of a series of chilled impingers. Prior to testing, each impinger was filled with a known quantity of water or silica gel. Each impinger was analyzed gravimetrically before and after each test run on the same balance to determine the amount of moisture condensed.

3.3 Modified Method 0010 – Hexafluoro-Propylene Oxide-Dimer Acid

HFPO-DA emissions were evaluated in accordance with Modified Method 0010. Testing followed the submitted protocol in the execution of our onsite sampling and analysis activities. Modified Method 0010 procedure was followed as outlined in the protocol submitted to NC Division of Air Quality. Modified Method 0010 sampling and analysis procedures performed for this project are consistent with OTM-45, which was released by EPA in January 2021, subsequent to Chemours submittal of plans to DAQ.

The sample train consisted of a borosilicate glass nozzle attached directly to a heated borosilicate glass-lined probe. The probe was connected directly to a heated borosilicate glass filter holder containing a solvent-extracted glass fiber filter. In order to minimize possible thermal degradation of the HFPO-DA, the probe and particulate filter were heated to just above stack temperature to minimize water vapor condensation before the filter. The filter holder exit was connected to a water-cooled coil condenser followed by a water-cooled sorbent module containing approximately 40 grams of XAD-2 resin. The XAD-2 inlet temperature was monitored to ensure that the module is maintained at a temperature below 20°C.

The XAD-2 resin trap was followed by a condensate knockout impinger and a series of three impingers each containing 100-ml of high purity deionized water. The water impingers were followed by another condensate knockout impinger equipped with a second XAD-2 resin trap to account for any sample breakthrough. The final impinger contained approximately 250 grams of dry pre-weighed silica gel. The water impingers and condensate impingers were submerged in an ice bath through the duration of the testing. The water in the ice bath was also used to circulate around the coil condenser and the XAD-2 resin traps.

Exhaust gases were extracted from the sample locations isokinetically using a metering console equipped with a vacuum pump, a calibrated orifice, oil manometer and probe/filter heat controllers.

3.4 HFPO-DA Sample Train and Equipment Preparation

Prior to conducting the field work the following procedures were conducted to prepare the field sampling glassware and sample recovery tools.

1. Wash all glassware, brushes, and ancillary tools with low residue soap and hot water.
2. Rinse all glassware, brushes, and ancillary tools three (3) times with D.I. H₂O.
3. Bake glassware (with the exception of probe liners) at 450°C for approximately 2 hours, (XAD-2 resin tube glassware is cleaned by Eurofins/TestAmerica by this same procedure).
4. Solvent rinse three (3) times all glassware, brushes, and ancillary tools with the following sequence of solvents: acetone, methylene chloride, hexane, and methanol.
5. Clean glassware and tools will be sealed in plastic bags or aluminum foil for transport to the sampling site.
6. Squirt bottles will be new dedicated bottles of known history and dedicated to the D.I. Water and methanol/ammonium hydroxide (MeOH/ 5% NH₄OH) solvent contents. Squirt bottles will be labelled with the solvent content it contains.

3.5 HFPO-DA Sample Train Recovery

Following completion of each test run, the sample probe, nozzle and front-half of the filter holder were brushed and rinsed three times each with the MeOH/ 5% NH₄OH solution (Container #1). The glass fiber filter was removed from its housing and transferred to a polyethylene bottle (Container #2). Any particulate matter and filter fibers which adhered to the filter holder and gasket were also placed in Container #2. The XAD-2 resin trap was sealed, labelled and placed in an iced sample cooler. The back-half of the filter holder, coil condenser condensate trap and connecting glassware were rinsed with the same MeOH/ 5% NH₄OH solution and placed in Container #3.

The volume of water collected in all impingers was measured for moisture determinations and then placed in Container #4. All impingers and connecting glassware were then rinsed with the MeOH/ 5% NH₄OH solution and placed in Container #5. The second (breakthrough) XAD-2 resin trap was sealed, labelled and placed in an iced sample cooler. The contents of the fifth impinger were placed in its original container and weighed for moisture determinations.

Containers were sealed and labeled with the appropriate sample information. Samples remained chilled until analysis. HFPO-DA analysis was conducted using liquid chromatography/dual mass spectrometry (LC/MS/MS).

Appendix A

Location: Chemours Company - Fayetteville Works Facility, NC
 Source: VEN Carbon Bed Inlet
 Project No.: 2022-2345
 Run No.: 1
 Parameter: HFPO-DA

Meter Pressure (Pm), in. Hg

$$P_m = P_b + \frac{\Delta H}{13.6}$$

where,

$P_b \frac{30.20}{1} =$ barometric pressure, in. Hg
 $\Delta H \frac{1.950}{1} =$ pressure differential of orifice, in H₂O
 $P_m \frac{30.34}{1} =$ in. Hg

Absolute Stack Gas Pressure (Ps), in. Hg

$$P_s = P_b + \frac{P_g}{13.6}$$

where,

$P_b \frac{30.20}{1} =$ barometric pressure, in. Hg
 $P_g \frac{-3.30}{1} =$ static pressure, in. H₂O
 $P_s \frac{29.96}{1} =$ in. Hg

Standard Meter Volume (Vmstd), dscf

$$Vmstd = \frac{17.636 \times Y \times V_m \times P_m}{T_m}$$

where,

$Y \frac{0.985}{1} =$ meter correction factor
 $V_m \frac{74.197}{1} =$ meter volume, cf
 $P_m \frac{30.34}{1} =$ absolute meter pressure, in. Hg
 $T_m \frac{546.7}{1} =$ absolute meter temperature, °R
 $Vmstd \frac{71.542}{1} =$ dscf

Standard Wet Volume (Vwstd), scf

$$Vwstd = 0.04716 \times V_{lc}$$

where,

$V_{lc} \frac{65.2}{1} =$ volume of H₂O collected, ml
 $Vwstd \frac{3.075}{1} =$ scf

Moisture Fraction (BWSsat), dimensionless (theoretical at saturated conditions)

$$BWS_{sat} = \frac{10^{6.37 - \left(\frac{2,827}{T_s + 365}\right)}}{P_s}$$

where,

$T_s \frac{88.3}{1} =$ stack temperature, °F
 $P_s \frac{29.96}{1} =$ absolute stack gas pressure, in. Hg
 $BWS_{sat} \frac{0.045}{1} =$ dimensionless

Moisture Fraction (BWS), dimensionless (measured)

$$BWS = \frac{Vwstd}{(Vwstd + Vmstd)}$$

where,

$Vwstd \frac{3.075}{1} =$ standard wet volume, scf
 $Vmstd \frac{71.542}{1} =$ standard meter volume, dscf
 $BWS \frac{0.041}{1} =$ dimensionless

Moisture Fraction (BWS), dimensionless

$$BWS = BWS_{msd} \text{ unless } BWS_{sat} < BWS_{msd}$$

where,

$BWS_{sat} \frac{0.045}{1} =$ moisture fraction (theoretical at saturated conditions)
 $BWS_{msd} \frac{0.041}{1} =$ moisture fraction (measured)
 $BWS \frac{0.041}{1}$

Location: Chemours Company - Fayetteville Works Facility, NC
Source: VEN Carbon Bed Inlet
Project No.: 2022-2345
Run No.: 1
Parameter: HFPO-DA

Molecular Weight (DRY) (Md), lb/lb-mole

$$Md = (0.44 \times \% \text{CO}_2) + (0.32 \times \% \text{O}_2) + (0.28 (100 - \% \text{CO}_2 - \% \text{O}_2))$$

where,

| | | |
|---------------|-----------------------|-----------------------------------|
| CO_2 | $\frac{0.1}{20.9}$ | = carbon dioxide concentration, % |
| O_2 | $\frac{20.9}{28.85}$ | = oxygen concentration, % |
| Md | $\frac{28.85}{28.85}$ | = lb/lb mol |

Molecular Weight (WET) (Ms), lb/lb-mole

$$Ms = Md (1 - \text{BWS}) + 18.015 (\text{BWS})$$

where,

| | | |
|-----|-----------------------|-------------------------------------|
| Md | $\frac{28.85}{28.41}$ | = molecular weight (DRY), lb/lb mol |
| BWS | $\frac{0.041}{28.41}$ | = moisture fraction, dimensionless |
| Ms | $\frac{28.41}{28.41}$ | = lb/lb mol |

Average Velocity (Vs), ft/sec

$$Vs = 85.49 \times Cp \times (\Delta P^{1/2})_{\text{avg}} \times \sqrt{\frac{Ts}{Ps \times Ms}}$$

where,

| | | |
|------------------|-----------------------|---|
| C_p | $\frac{0.840}{0.642}$ | = pitot tube coefficient |
| $\Delta P^{1/2}$ | $\frac{0.642}{548.0}$ | = velocity head of stack gas, (in. H ₂ O) ^{1/2} |
| T_s | $\frac{548.0}{29.96}$ | = absolute stack temperature, °R |
| P_s | $\frac{29.96}{28.41}$ | = absolute stack gas pressure, in. Hg |
| M_s | $\frac{28.41}{37.0}$ | = molecular weight of stack gas, lb/lb mol |
| V_s | $\frac{37.0}{37.0}$ | = ft/sec |

Average Stack Gas Flow at Stack Conditions (Qa), acfm

$$Qa = 60 \times Vs \times As$$

where,

| | | |
|-------|-------------------------|--|
| V_s | $\frac{37.0}{7.07}$ | = stack gas velocity, ft/sec |
| A_s | $\frac{7.07}{15.696}$ | = cross-sectional area of stack, ft ² |
| Q_a | $\frac{15.696}{15.696}$ | = acfm |

Average Stack Gas Flow at Standard Conditions (Qs), dscfm

$$Qs = 17.636 \times Qa \times (1 - \text{BWS}) \times \frac{Ps}{Ts}$$

where,

| | | |
|-------|-------------------------|--|
| Q_a | $\frac{15.696}{14.510}$ | = average stack gas flow at stack conditions, acfm |
| BWS | $\frac{0.041}{14.510}$ | = moisture fraction, dimensionless |
| P_s | $\frac{29.96}{548.0}$ | = absolute stack gas pressure, in. Hg |
| T_s | $\frac{548.0}{14.510}$ | = absolute stack temperature, °R |
| Q_s | $\frac{14.510}{14.510}$ | = dscfm |

Dry Gas Meter Calibration Check (Yqa), dimensionless

$$Yqa = \frac{Y - \left(\frac{\Theta}{V_m} \sqrt{\frac{0.0319 \times T_m \times 29}{\Delta H@ \times \left(P_b + \frac{\Delta H_{\text{avg}}}{13.6} \right) \times M_d}} \sqrt{\Delta H_{\text{avg}}} \right)}{Y} \times 100$$

where,

| | | |
|-------------------------|------------------------|--|
| Y | $\frac{0.985}{96}$ | = meter correction factor, dimensionless |
| Θ | $\frac{96}{74.197}$ | = run time, min. |
| V_m | $\frac{74.197}{546.7}$ | = total meter volume, dcf |
| T_m | $\frac{546.7}{1.827}$ | = absolute meter temperature, °R |
| $\Delta H@$ | $\frac{1.827}{30.20}$ | = orifice meter calibration coefficient, in. H ₂ O |
| P_b | $\frac{30.20}{1.950}$ | = barometric pressure, in. Hg |
| ΔH_{avg} | $\frac{1.950}{28.85}$ | = average pressure differential of orifice, in H ₂ O |
| M_d | $\frac{28.85}{1.396}$ | = molecular weight (DRY), lb/lb mol |
| $(\Delta H)^{1/2}$ | $\frac{1.396}{-3.1}$ | = average squareroot pressure differential of orifice, (in. H ₂ O) ^{1/2} |
| Y_{qa} | $\frac{-3.1}{-3.1}$ | = dimensionless |

Location: Chemours Company - Fayetteville Works Facility, NC
 Source: VEN Carbon Bed Inlet
 Project No.: 2022-2345
 Run No.: 1
 Parameter: HFPO-DA

Volume of Nozzle (Vn), ft³

$$V_n = \frac{T_s}{P_s} \left(0.002669 \times V_{lc} + \frac{V_m \times P_m \times Y}{T_m} \right)$$

where,

T_s $\frac{548.0}{}$ = absolute stack temperature, °R
 P_s $\frac{29.96}{}$ = absolute stack gas pressure, in. Hg
 V_{lc} $\frac{65.2}{}$ = volume of H₂O collected, ml
 V_m $\frac{74.197}{}$ = meter volume, cf
 P_m $\frac{30.34}{}$ = absolute meter pressure, in. Hg
 Y $\frac{0.985}{}$ = meter correction factor, unitless
 T_m $\frac{546.7}{}$ = absolute meter temperature, °R
 V_n $\frac{77.384}{}$ = volume of nozzle, ft³

Isokinetic Sampling Rate (I), %

$$I = \left(\frac{V_n}{\theta \times 60 \times A_n \times V_s} \right) \times 100$$

where,

V_n $\frac{77.384}{}$ = nozzle volume, ft³
 θ $\frac{96.0}{}$ = run time, minutes
 A_n $\frac{0.00037}{}$ = area of nozzle, ft²
 V_s $\frac{37.0}{}$ = average velocity, ft/sec
 I $\frac{98.5}{}$ = %

HFPO-DA Concentration (C), ng/dscm

$$C = \frac{M \times 35.313}{V_{mstd}}$$

where,

M $\frac{17,686,000}{}$ = HFPO-DA mass, ng
 V_{mstd} $\frac{71.542}{}$ = standard meter volume, dscf
 C_{NH3} $\frac{8730190.64}{}$ = ng/dscm

HFPO-DA Emission Rate (ER), lb/hr

$$ER = \frac{M \times Q_s \times 60}{V_{mstd} \times 4.54E + 11}$$

where,

M $\frac{17,686,000}{}$ = HFPO-DA mass, ng
 Q_s $\frac{14.510}{}$ = average stack gas flow at standard conditions, dscfm
 V_{mstd} $\frac{71.542}{}$ = standard meter volume, dscf
 ER $\frac{0.47}{}$ = lb/hr

Appendix B

Inlet

Location Chemours Company - Fayetteville Works Facility, NC
Source VEN Carbon Bed Inlet
Project No. 2022-2345
Parameter HFPO-DA

| Run Number | | Run 1 | Run 2 | Run 3 | Average |
|--|------------------------|--------------|-----------|-------------|-------------|
| Date | | 6/29/22 | 6/30/22 | 6/30/22 | -- |
| Start Time | | 8:31 | 14:08 | 16:32 | -- |
| Stop Time | | 10:26 | 16:01 | 18:26 | -- |
| Run Time, min | (θ) | 96.0 | 96.0 | 96.0 | 96.0 |
| INPUT DATA | | | | | |
| Barometric Pressure, in. Hg | (Pb) | 30.20 | 30.19 | 30.19 | 30.19 |
| Meter Correction Factor | (Y) | 0.985 | 0.985 | 0.985 | 0.985 |
| Orifice Calibration Value | ($\Delta H @$) | 1.827 | 1.827 | 1.827 | 1.827 |
| Meter Volume, ft ³ | (Vm) | 74.197 | 73.646 | 72.978 | 73.607 |
| Meter Temperature, °F | (Tm) | 87.0 | 97.6 | 97.8 | 94.1 |
| Meter Temperature, °R | (Tm) | 546.7 | 557.3 | 557.5 | 553.8 |
| Meter Orifice Pressure, in. WC | (ΔH) | 1.950 | 1.843 | 1.785 | 1.860 |
| Volume H ₂ O Collected, mL | (Vlc) | 65.2 | 60.9 | 67.0 | 64.4 |
| Nozzle Diameter, in | (Dn) | 0.260 | 0.260 | 0.260 | 0.260 |
| Area of Nozzle, ft ² | (An) | 0.0004 | 0.0004 | 0.0004 | 0.0004 |
| FH HFPO-DA Mass, ng | M _(HFPODA) | 366,000.0 | 286,000.0 | 237,000.0 | 296,333.3 |
| BH HFPO-DA Mass, ng | M _(HFPODA) | 14,100,000.0 | 366,000.0 | 439,000.0 | 4,968,333.3 |
| Imp HFPO-DA Mass, ng | M _(HFPODA) | 3,220,000.0 | 31,500.0 | 111,000.0 | 1,120,833.3 |
| Breakthrough HFPO-DA Mass, ng | M _(HFPODA) | -- | 766.0 | 467,000.0 | 233,883.00 |
| Total HFPO-DA Mass, ng | M _(HFPODA) | 17,686,000.0 | 684,266.0 | 1,254,000.0 | 6,541,422.0 |
| ISOKINETIC DATA | | | | | |
| Standard Meter Volume, ft ³ | (Vmstd) | 71.542 | 69.616 | 68.954 | 70.038 |
| Standard Water Volume, ft ³ | (Vwstd) | 3.075 | 2.872 | 3.159 | 3.035 |
| Moisture Fraction Measured | (BWSmsd) | 0.041 | 0.040 | 0.044 | 0.042 |
| Moisture Fraction @ Saturation | (BWSsat) | 0.045 | 0.055 | 0.056 | 0.052 |
| Moisture Fraction | (BWS) | 0.041 | 0.040 | 0.044 | 0.042 |
| Meter Pressure, in Hg | (Pm) | 30.34 | 30.33 | 30.32 | 30.33 |
| Volume at Nozzle, ft ³ | (Vn) | 77.384 | 76.157 | 74.732 | 76.09 |
| Isokinetic Sampling Rate, (%) | (I) | 98.5 | 99.5 | 99.6 | 99.2 |
| DGM Calibration Check Value, (+/- 5%) | (Y _{db}) | -3.1 | -1.7 | -1.2 | -2.0 |
| EMISSION CALCULATIONS | | | | | |
| HFPO-DA Concentration, ng/dscm | C _(HFPODA) | 8.7E+06 | 3.5E+05 | 6.4E+05 | 3.2E+06 |
| HFPO-DA Emission Rate, lb/hr | ER _(HFPODA) | 4.7E-01 | 1.8E-02 | 3.3E-02 | 1.8E-01 |

Underlined values are non-detected reported as the reporting limit.

Location Chemours Company - Fayetteville Works Facility, NC

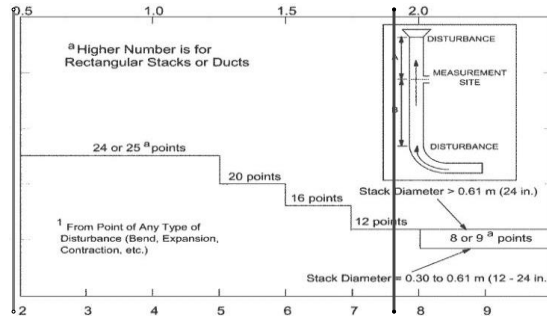
Source VEN Carbon Bed Inlet

Project No. 2022-2345

Date: 06/28/22

Stack Parameters

Duct Orientation: Horizontal
 Duct Design: Circular
 Distance from Far Wall to Outside of Port: 51.13 in
 Nipple Length: 15.13 in
 Depth of Duct: 36.00 in
 Cross Sectional Area of Duct: 7.07 ft²
 No. of Test Ports: 2
 Distance A: 5.7 ft
 Distance A Duct Diameters: 1.9 (must be > 0.5)
 Distance B: 5.7 ft
 Distance B Duct Diameters: 1.9 (must be > 2)
 Minimum Number of Traverse Points: 24
 Actual Number of Traverse Points: 24
 Number of Readings per Point: 1
 Measurer (Initial and Date): BAG-6/28/22
 Reviewer (Initial and Date): AA-6/28/22



CIRCULAR DUCT

LOCATION OF TRAVERSE POINTS

Number of traverse points on a diameter

| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----|------|----|------|----|------|----|------|----|------|----|------|
| 1 | 14.6 | -- | 6.7 | -- | 4.4 | -- | 3.2 | -- | 2.6 | -- | 2.1 |
| 2 | 85.4 | -- | 25.0 | -- | 14.6 | -- | 10.5 | -- | 8.2 | -- | 6.7 |
| 3 | -- | -- | 75.0 | -- | 29.6 | -- | 19.4 | -- | 14.6 | -- | 11.8 |
| 4 | -- | -- | 93.3 | -- | 70.4 | -- | 32.3 | -- | 22.6 | -- | 17.7 |
| 5 | -- | -- | -- | -- | 85.4 | -- | 67.7 | -- | 34.2 | -- | 25.0 |
| 6 | -- | -- | -- | -- | 95.6 | -- | 80.6 | -- | 65.8 | -- | 35.6 |
| 7 | -- | -- | -- | -- | -- | -- | 89.5 | -- | 77.4 | -- | 64.4 |
| 8 | -- | -- | -- | -- | -- | -- | 96.8 | -- | 85.4 | -- | 75.0 |
| 9 | -- | -- | -- | -- | -- | -- | -- | -- | 91.8 | -- | 82.3 |
| 10 | -- | -- | -- | -- | -- | -- | -- | -- | 97.4 | -- | 88.2 |
| 11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 93.3 |
| 12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 97.9 |

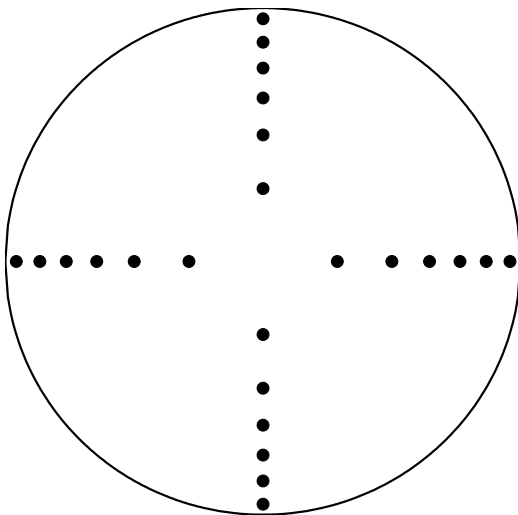
| Traverse Point | % of Diameter | Distance from inside wall | Distance from outside of port |
|----------------|---------------|---------------------------|-------------------------------|
| 1 | 2.1 | 1.00 | 16.13 |
| 2 | 6.7 | 2.41 | 17.54 |
| 3 | 11.8 | 4.25 | 19.37 |
| 4 | 17.7 | 6.37 | 21.50 |
| 5 | 25.0 | 9.00 | 24.13 |
| 6 | 35.6 | 12.82 | 27.94 |
| 7 | 64.4 | 23.18 | 38.31 |
| 8 | 75.0 | 27.00 | 42.13 |
| 9 | 82.3 | 29.63 | 44.75 |
| 10 | 88.2 | 31.75 | 46.88 |
| 11 | 93.3 | 33.59 | 48.71 |
| 12 | 97.9 | 35.00 | 50.13 |

^aPercent of stack diameter from inside wall to traverse point.

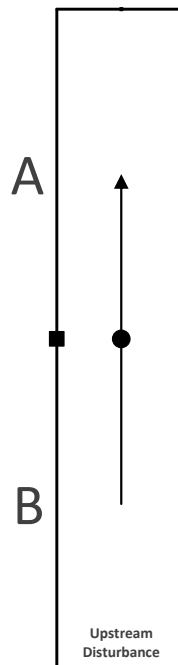
Stack Diagram

A = 5.7 ft.
 B = 5.7 ft.
 Depth of Duct = 36 in.

Cross Sectional Area



Downstream Disturbance



Location Chemours Company - Fayetteville Works Facility, NC
 Source VEN Carbon Bed Inlet
 Project No. 2022-2345
 Date 06/29/22

| Sample Point | Angle (AP=0) |
|----------------|--------------|
| 1 | 8 |
| 2 | 8 |
| 3 | 8 |
| 4 | 10 |
| 5 | 12 |
| 6 | 12 |
| 7 | 12 |
| 8 | 14 |
| 9 | 10 |
| 10 | 12 |
| 11 | 8 |
| 12 | 8 |
| 13 | 8 |
| 14 | 6 |
| 15 | 10 |
| 16 | 10 |
| 17 | 10 |
| 18 | 12 |
| 19 | 12 |
| 20 | 10 |
| 21 | 8 |
| 22 | 8 |
| 23 | 6 |
| 24 | 6 |
| Average | 10 |

Location **Chemours Company - Fayetteville Works Facility, NC**

Source **VEN Carbon Bed Inlet**

Project No. **2022-2345**

Parameter **HFPO-DA**

| Run Number | | Run 1 | Run 2 | Run 3 | Average |
|---|--------------------|---------|---------|---------|---------|
| Date | | 6/29/22 | 6/30/22 | 6/30/22 | -- |
| Start Time | | 8:31 | 14:08 | 16:32 | -- |
| Stop Time | | 10:26 | 16:01 | 18:26 | -- |
| Run Time, min | | 96.0 | 96.0 | 96.0 | 96.0 |
| VELOCITY HEAD, in. WC | | | | | |
| Point 1 | | 0.38 | 0.31 | 0.28 | 0.32 |
| Point 2 | | 0.37 | 0.35 | 0.27 | 0.33 |
| Point 3 | | 0.37 | 0.35 | 0.37 | 0.36 |
| Point 4 | | 0.42 | 0.38 | 0.37 | 0.39 |
| Point 5 | | 0.45 | 0.40 | 0.41 | 0.42 |
| Point 6 | | 0.45 | 0.40 | 0.41 | 0.42 |
| Point 7 | | 0.42 | 0.41 | 0.40 | 0.41 |
| Point 8 | | 0.41 | 0.38 | 0.39 | 0.39 |
| Point 9 | | 0.40 | 0.38 | 0.37 | 0.38 |
| Point 10 | | 0.40 | 0.36 | 0.37 | 0.38 |
| Point 11 | | 0.39 | 0.36 | 0.35 | 0.37 |
| Point 12 | | 0.38 | 0.36 | 0.35 | 0.36 |
| Point 13 | | 0.40 | 0.28 | 0.31 | 0.33 |
| Point 14 | | 0.42 | 0.27 | 0.32 | 0.34 |
| Point 15 | | 0.42 | 0.35 | 0.32 | 0.36 |
| Point 16 | | 0.45 | 0.35 | 0.39 | 0.40 |
| Point 17 | | 0.44 | 0.41 | 0.38 | 0.41 |
| Point 18 | | 0.46 | 0.43 | 0.43 | 0.44 |
| Point 19 | | 0.46 | 0.43 | 0.44 | 0.44 |
| Point 20 | | 0.42 | 0.48 | 0.44 | 0.45 |
| Point 21 | | 0.41 | 0.52 | 0.43 | 0.45 |
| Point 22 | | 0.41 | 0.54 | 0.42 | 0.46 |
| Point 23 | | 0.40 | 0.44 | 0.43 | 0.42 |
| Point 24 | | 0.38 | 0.40 | 0.41 | 0.40 |
| CALCULATED DATA | | | | | |
| Square Root of ΔP , (in. WC) ^{1/2} | (ΔP) | 0.642 | 0.622 | 0.613 | 0.626 |
| Pitot Tube Coefficient | (Cp) | 0.840 | 0.840 | 0.840 | 0.840 |
| Barometric Pressure, in. Hg | (Pb) | 30.20 | 30.19 | 30.19 | 30.19 |
| Static Pressure, in. WC | (Pg) | -3.30 | -3.30 | 3.00 | -1.20 |
| Stack Pressure, in. Hg | (Ps) | 29.96 | 29.95 | 30.41 | 30.11 |
| Stack Cross-sectional Area, ft ² | (As) | 7.07 | 7.07 | 7.07 | 7.07 |
| Temperature, °F | (Ts) | 88.3 | 95.3 | 96.2 | 93.2 |
| Temperature, °R | (Ts) | 548.0 | 554.9 | 555.8 | 552.906 |
| Moisture Fraction Measured | (BWSmsd) | 0.041 | 0.040 | 0.044 | 0.042 |
| Moisture Fraction @ Saturation | (BWSsat) | 0.045 | 0.055 | 0.056 | 0.052 |
| Moisture Fraction | (BWS) | 0.041 | 0.040 | 0.044 | 0.042 |
| O ₂ Concentration, % | (O ₂) | 20.9 | 20.9 | 20.9 | 20.9 |
| CO ₂ Concentration, % | (CO ₂) | 0.1 | 0.1 | 0.1 | 0.1 |
| Molecular Weight, lb/lb-mole (dry) | (Md) | 28.85 | 28.85 | 28.85 | 28.85 |
| Molecular Weight, lb/lb-mole (wet) | (Ms) | 28.41 | 28.42 | 28.38 | 28.40 |
| Velocity, ft/sec | (Vs) | 37.0 | 36.1 | 35.3 | 36.1 |
| VOLUMETRIC FLOW RATE | | | | | |
| At Stack Conditions, acfm | (Qa) | 15,696 | 15,291 | 14,986 | 15,324 |
| At Standard Conditions, dscfm | (Qs) | 14,510 | 13,976 | 13,826 | 14,104 |

Location Chemours Company - Fayetteville Works Facility, NC
Source VEN Carbon Bed Inlet
Project No. 2022-2345
Parameter HFPO-DA
Analysis Gravimetric

| Run 1 | Date: 6/29/22 | | | | | | | | |
|-----------------|---------------|-------|-------|-------|-------|-------|----------|--------|--------|
| Impinger No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| Contents | XAD Trap | Empty | H2O | H2O | H2O | Empty | XAD Trap | Silica | -- |
| Initial Mass, g | 303.1 | 511.4 | 754.5 | 772.3 | 725.3 | 531.6 | 298.8 | 862.7 | 4759.7 |
| Final Mass, g | 322.2 | 531.8 | 753.0 | 771.7 | 726.2 | 534.2 | 310.7 | 875.1 | 4824.9 |
| Gain | 19.1 | 20.4 | -1.5 | -0.6 | 0.9 | 2.6 | 11.9 | 12.4 | 65.2 |
| Run 2 | Date: 6/30/22 | | | | | | | | |
| Impinger No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| Contents | XAD Trap | Empty | H2O | H2O | H2O | Empty | XAD Trap | Silica | -- |
| Initial Mass, g | 300.7 | 481.3 | 760.0 | 780.7 | 756.5 | 475.9 | 296.3 | 927.5 | 4778.9 |
| Final Mass, g | 321.3 | 498 | 757.1 | 781.1 | 756.8 | 478.2 | 306 | 941.3 | 4839.8 |
| Gain | 20.6 | 16.7 | -2.9 | 0.4 | 0.3 | 2.3 | 9.7 | 13.8 | 60.9 |
| Run 3 | Date: 6/30/22 | | | | | | | | |
| Impinger No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| Contents | XAD Trap | Empty | H2O | H2O | H2O | Empty | XAD Trap | Silica | -- |
| Initial Mass, g | 304.6 | 532.2 | 756.2 | 771.6 | 725.5 | 512.3 | 313.5 | 819 | 4734.9 |
| Final Mass, g | 329.1 | 547.2 | 753.7 | 772.0 | 725.8 | 515.4 | 327.4 | 831.3 | 4801.9 |
| Gain | 24.5 | 15.0 | -2.5 | 0.4 | 0.3 | 3.1 | 13.9 | 12.3 | 67.0 |

Isokinetic Field Data

| | | | | | |
|---|-----------------------------|--|------------------------------|--------------------------------------|--------------------|
| Location: Chemours Company - Fayetteville Works Facility, N | | Start Time: 8:31 | Source: VEN Carbon Bed Inlet | | Parameter: HFPO-DA |
| Date: 6/29/22 | Run 1 | VALID | End Time: 10:26 | Project No.: 2022-2345 | |
| STACK DATA (EST) | | EQUIPMENT | | STACK DATA (FINAL) | |
| Moisture: 2.0 % est. | Meter Box ID: MB #7 | Est. Tm: 85 °F | FILTER NO. | Pb: 30.20 in. Hg | MOIST. DATA |
| Barometric: 30.10 in. Hg | Y: 0.985 | Est. Ts: 85 °F | | Pg: -3.30 in. WC | Vlc (ml) |
| Static Press: -8.60 in. WC | AH @ (in. WC): 1.827 | Est. AP: 0.61 in. WC | | O ₂ : 20.9 % | K-FACTOR |
| Stack Press: 29.47 in. Hg | Probe ID: TC 7D | Est. Dn: 0.236 in. | | CO ₂ : 0.1 % | 4.704 |
| CO ₂ : 0.1 % | Liner Material: glass | Target Rate: 0.78 scfm | | Check Pt. Initial Final | Corr. |
| O ₂ : 20.9 % | Pitot ID: P4-1 | LEAK CHECK: Pre Mid 1 Mid 2 Mid 3 Post | | Mid 1 (cf) 2.740 2.857 0.117 | |
| N ₂ /CO: 79.0 % | Pitot Cp/Type: 0.840 S-type | Leak Rate (cfm): 0.002 0.002 0.002 0.002 | | Mid 2 (cf) 2.857 2.948 0.091 | |
| Md: 28.85 lb/lb-mole | Nozzle ID: G-5 glass | Vacuum (in Hg): 10 12 12 | | Mid 3 (cf) | |
| Ms: 28.63 lb/lb-mole | Nozzle Dn (in.): 0.260 | Pitot Tube: Pass | | Mid-Point Leak Check Vol (cf): 0.208 | |

| Sample Pt. | Sample Time (minutes) | | Dry Gas Meter Reading (ft ³) | Pitot Tube ΔP (in WC) | Gas Temperatures (°F) | | Orifice Press. ΔH (in. WC) | Pump Vac (in. Hg) | Gas Temperatures (°F) | | | Vs (fps) | |
|-------------------|-----------------------|-------|--|-----------------------|-----------------------|-------|----------------------------|-------------------|-----------------------|--------|----------|----------|-------|
| | Begin | End | | | DGM Average | Stack | | | Probe | Filter | Imp Exit | | Aux |
| A-1 | 0.00 | 4.00 | 666.308 | 0.38 | 78 | 78 | Ideal Actual | 3 | 77 | 78 | 79 | 99.8 | 35.53 |
| 2 | 4.00 | 8.00 | 669.300 | 0.37 | 75 | 84 | 1.76 1.80 | 3 | 92 | 93 | 66 | 52 | 35.09 |
| 3 | 8.00 | 12.00 | 672.200 | 0.37 | 77 | 85 | 1.72 1.70 | 3 | 94 | 92 | 54 | 56 | 35.09 |
| 4 | 12.00 | 16.00 | 675.200 | 0.42 | 80 | 85 | 1.73 1.70 | 3 | 96 | 93 | 51 | 55 | 37.39 |
| 5 | 16.00 | 20.00 | 678.250 | 0.45 | 82 | 85 | 1.96 2.00 | 4 | 94 | 92 | 50 | 52 | 38.74 |
| 6 | 20.00 | 24.00 | 681.450 | 0.45 | 82 | 86 | 2.10 2.10 | 4 | 92 | 93 | 50 | 53 | 38.74 |
| 7 | 24.00 | 28.00 | 684.600 | 0.42 | 83 | 86 | 2.10 2.10 | 5 | 92 | 92 | 50 | 54 | 37.46 |
| 8 | 28.00 | 32.00 | 687.700 | 0.41 | 83 | 87 | 1.96 2.00 | 5 | 93 | 93 | 50 | 56 | 37.01 |
| 9 | 32.00 | 36.00 | 690.800 | 0.40 | 85 | 87 | 1.92 2.00 | 5 | 95 | 93 | 51 | 56 | 36.59 |
| 10 | 36.00 | 40.00 | 693.800 | 0.40 | 86 | 88 | 1.87 1.90 | 5 | 93 | 94 | 52 | 55 | 36.59 |
| 11 | 40.00 | 44.00 | 696.900 | 0.39 | 86 | 88 | 1.87 1.90 | 5 | 91 | 93 | 51 | 52 | 36.16 |
| 12 | 44.00 | 48.00 | 699.700 | 0.38 | 87 | 89 | 1.83 1.80 | 5 | 96 | 98 | 52 | 54 | 35.70 |
| B-1 | 48.00 | 52.00 | 702.740 | 0.40 | 88 | 89 | 1.78 1.80 | 5 | 100 | 98 | 52 | 54 | 36.06 |
| 2 | 52.00 | 56.00 | 705.700 | 0.42 | 87 | 90 | 1.87 1.90 | 6 | 95 | 100 | 54 | 55 | 37.56 |
| 3 | 56.00 | 60.00 | 708.900 | 0.42 | 88 | 90 | 1.97 2.00 | 6 | 100 | 97 | 52 | 52 | 37.56 |
| 4 | 60.00 | 64.00 | 712.200 | 0.45 | 88 | 90 | 1.97 2.00 | 6 | 100 | 98 | 53 | 53 | 38.88 |
| 5 | 64.00 | 68.00 | 715.300 | 0.44 | 90 | 90 | 2.12 2.10 | 7 | 100 | 98 | 54 | 57 | 38.45 |
| 6 | 68.00 | 72.00 | 718.600 | 0.46 | 91 | 90 | 2.07 2.10 | 7 | 98 | 96 | 55 | 55 | 39.31 |
| 7 | 72.00 | 76.00 | 721.800 | 0.46 | 91 | 90 | 2.17 2.20 | 8 | 97 | 98 | 54 | 52 | 39.31 |
| 8 | 76.00 | 80.00 | 725.100 | 0.42 | 93 | 90 | 2.17 2.20 | 8 | 96 | 96 | 54 | 53 | 37.56 |
| 9 | 80.00 | 84.00 | 728.200 | 0.41 | 93 | 90 | 1.99 2.00 | 7 | 98 | 98 | 55 | 56 | 37.11 |
| 10 | 84.00 | 88.00 | 731.400 | 0.41 | 93 | 90 | 1.94 1.90 | 7 | 96 | 96 | 56 | 54 | 37.11 |
| 11 | 88.00 | 92.00 | 734.550 | 0.40 | 94 | 90 | 1.94 1.90 | 7 | 99 | 96 | 57 | 58 | 36.06 |
| 12 | 92.00 | 96.00 | 737.700 | 0.38 | 93 | 90 | 1.89 1.90 | 7 | 100 | 96 | 56 | 57 | 35.73 |
| Final DGM: | | | 740.713 | | | | | | | | | | |

| Run Time | V _m | AP | T _m | T _s | Max Vac | ΔH | %ISO | BWS | Y _{qm} |
|----------|------------------------|-------------|----------------|----------------|---------|--------------|------|-------|-----------------|
| 96.0 min | 74.197 ft ³ | 0.41 in. WC | 87.0 °F | 88.3 °F | 8 | 1.950 in. WC | 98.5 | 0.041 | -3.1 |

RESULTS

Isokinetic Field Data

| Location: Chemours Company - Fayetteville Works Facility, N | | Start Time: 14:08 | | Source: VEN Carbon Bed Inlet | | Parameter: HFPO-DA | | | | | |
|---|------------------|-------------------|--------------|------------------------------|----------------------------|--------------------|--------------|--------------------|--|--------------------------------|-------------------|
| Date: 6/30/22 | | End Time: 16:01 | | Project No.: 2022-2345 | | | | | | | |
| Run 2 | | VALID | | | | | | | | | |
| STACK DATA (EST) | | EQUIPMENT | | STACK DATA (EST) | | FILTRER NO. | | STACK DATA (FINAL) | | MOIST. DATA | |
| Moisture: | 2.0 % est. | Meter Box ID: | MB #7 | Est. Tm: | 87 °F | Pb: | 30.19 in. Hg | | | Vlc (ml) | |
| Barometric: | 30.10 in. Hg | Y: | 0.985 | Est. Ts: | 88 °F | Pg: | -3.30 in. WC | | | | 60.9 |
| Static Press: | -8.60 in. WC | AH @ (in. WC): | 1.827 | Est. ΔP: | 0.41 in. WC | O ₂ : | 20.9 % | | | | K-FACTOR |
| Stack Press: | 29.47 in. Hg | Probe ID: | TC 7D | Est. Dn: | 0.260 in. | CO ₂ : | 0.1 % | | | | 4.69 |
| CO ₂ : | 0.1 % | Liner Material: | glass | Target Rate: | 0.78 scfm | | | | | | Corr. |
| O ₂ : | 20.9 % | Pitot ID: | P4-1 | LEAK CHECK: | Pre Mid 1 Mid 2 Mid 3 Post | | | | | Check Pt. | Initial Final |
| N ₂ /CO: | 79.0 % | Pitot Cp/Type: | 0.840 S-type | Leak Rate (cfm): | 0.005 0.002 0.002 0.002 | | | | | Mid 1 (cf) | 7.751 7.863 0.112 |
| Md: | 28.85 lb/lb-mole | Nozzle ID: | G-5 | Vacuum (in Hg): | 12 10 10 10 | | | | | Mid 2 (cf) | 7.863 7.949 0.086 |
| Ms: | 28.63 lb/lb-mole | Nozzle Dn (in.): | 0.260 | Pitot Tube: | Pass | | | | | Mid 3 (cf) | -- -- -- |
| | | | | | | | | | | Mid-Point Leak Check Vol (cf): | 0.198 |

| Sample Pt. | Sample Time (minutes) | | Dry Gas Meter Reading (ft ³) | Pitot Tube ΔP (in WC) | Gas Temperatures (°F) | | Orifice Press. ΔH (in. WC) | Pump Vac (in. Hg) | Gas Temperatures (°F) | | | Vs (fps) | | | |
|-------------------|-----------------------|-------|--|-----------------------|-----------------------|-------|----------------------------|-------------------|-----------------------|--------|----------|----------|-----|-------|-------|
| | Begin | End | | | DGM Average | Stack | | | Probe | Filter | Imp Exit | | Aux | % ISO | |
| A-1 | 0.00 | 4.00 | 741.778 | 0.31 | -- | -- | Ideal | Actual | | | | | | | |
| 2 | 4.00 | 8.00 | 744.600 | 0.35 | 91 | 95 | 1.45 | 1.50 | 4 | 101 | 103 | 66 | 64 | 102.1 | 32.42 |
| 3 | 8.00 | 12.00 | 747.500 | 0.35 | 94 | 95 | 1.64 | 1.60 | 4 | 103 | 104 | 64 | 56 | 98.2 | 34.44 |
| 4 | 12.00 | 16.00 | 750.450 | 0.38 | 94 | 95 | 1.64 | 1.60 | 4 | 103 | 103 | 64 | 57 | 99.9 | 34.44 |
| 5 | 16.00 | 20.00 | 753.450 | 0.40 | 96 | 95 | 1.79 | 1.80 | 5 | 101 | 103 | 61 | 57 | 97.2 | 35.89 |
| 6 | 20.00 | 24.00 | 756.500 | 0.40 | 97 | 95 | 1.89 | 1.90 | 5 | 100 | 103 | 59 | 54 | 96.2 | 36.82 |
| 7 | 24.00 | 28.00 | 759.600 | 0.41 | 97 | 95 | 1.89 | 1.90 | 5 | 100 | 101 | 58 | 54 | 97.8 | 36.82 |
| 8 | 28.00 | 32.00 | 762.700 | 0.38 | 97 | 95 | 1.94 | 1.94 | 5 | 102 | 101 | 57 | 54 | 96.6 | 37.28 |
| 9 | 32.00 | 36.00 | 765.800 | 0.38 | 97 | 95 | 1.79 | 1.80 | 5 | 102 | 101 | 57 | 57 | 100.3 | 35.89 |
| 10 | 36.00 | 40.00 | 768.800 | 0.36 | 98 | 95 | 1.79 | 1.80 | 5 | 101 | 102 | 57 | 57 | 97.1 | 35.89 |
| 11 | 40.00 | 44.00 | 771.800 | 0.36 | 98 | 95 | 1.70 | 1.70 | 5 | 102 | 101 | 57 | 58 | 99.5 | 34.93 |
| 12 | 44.00 | 48.00 | 774.750 | 0.36 | 98 | 95 | 1.70 | 1.70 | 6 | 100 | 103 | 58 | 56 | 97.9 | 34.93 |
| B-1 | 48.00 | 52.00 | 777.751 | 0.28 | 96 | 95 | 1.32 | 1.30 | 6 | 101 | 107 | 66 | 56 | 103.7 | 30.81 |
| 2 | 52.00 | 56.00 | 780.500 | 0.27 | 96 | 95 | 1.27 | 1.30 | 6 | 105 | 108 | 60 | 54 | 103.7 | 30.25 |
| 3 | 56.00 | 60.00 | 783.200 | 0.35 | 98 | 95 | 1.66 | 1.70 | 7 | 104 | 107 | 60 | 53 | 97.6 | 34.44 |
| 4 | 60.00 | 64.00 | 786.100 | 0.35 | 98 | 95 | 1.66 | 1.70 | 7 | 103 | 105 | 58 | 54 | 100.9 | 34.44 |
| 5 | 64.00 | 68.00 | 789.100 | 0.41 | 99 | 95 | 1.94 | 1.90 | 8 | 101 | 103 | 59 | 52 | 96.2 | 37.28 |
| 6 | 68.00 | 72.00 | 792.200 | 0.43 | 99 | 95 | 2.04 | 2.00 | 8 | 101 | 102 | 60 | 52 | 97.0 | 38.18 |
| 7 | 72.00 | 76.00 | 795.400 | 0.43 | 100 | 96 | 2.04 | 2.00 | 8 | 100 | 102 | 61 | 53 | 96.9 | 38.21 |
| 8 | 76.00 | 80.00 | 798.600 | 0.48 | 100 | 96 | 2.27 | 2.30 | 8 | 100 | 103 | 61 | 53 | 94.7 | 40.37 |
| 9 | 80.00 | 84.00 | 801.900 | 0.52 | 100 | 96 | 2.46 | 2.50 | 10 | 101 | 102 | 60 | 54 | 96.5 | 42.02 |
| 10 | 84.00 | 88.00 | 805.400 | 0.54 | 101 | 96 | 2.56 | 2.60 | 10 | 100 | 102 | 61 | 57 | 97.3 | 42.82 |
| 11 | 88.00 | 92.00 | 809.000 | 0.44 | 101 | 96 | 2.09 | 2.10 | 8 | 100 | 102 | 63 | 58 | 101.7 | 38.66 |
| 12 | 92.00 | 96.00 | 812.400 | 0.40 | 101 | 96 | 1.90 | 1.90 | 8 | 102 | 102 | 64 | 59 | 101.0 | 36.86 |
| Final DGM: | | | 815.622 | | | | | | | | | | | | |

| RESULTS | | Run Time | V _m | AP | T _m | T _s | Max Vac | ΔH | %ISO | BWS | Y _{qm} | | | | |
|---------|-----|----------|-----------------|------|----------------|----------------|---------|------|------|-----|-----------------|--------|------|-------|------|
| 96.0 | min | 73.646 | ft ³ | 0.39 | in. WC | 97.6 | °F | 95.3 | °F | 10 | 1.843 | in. WC | 99.5 | 0.040 | -1.7 |

Isokinetic Field Data

| | | | | | | | |
|---|--|-------------------|--|------------------------------|--|--------------------|--|
| Location: Chemours Company - Fayetteville Works Facility, N | | Start Time: 16:32 | | Source: VEN Carbon Bed Inlet | | Parameter: HFPO-DA | |
| Date: 6/30/22 | | End Time: 18:26 | | Project No.: 2022-2345 | | | |
| Run 3 | | VALID | | | | | |

| STACK DATA (EST) | | EQUIPMENT | | STACK DATA (EST) | | FILTER NO. | | STACK DATA (FINAL) | | MOIST. DATA | | | |
|---------------------|------------------|------------------|--------|------------------|-------------|------------------|--------------|--------------------|--------------|--------------------------------|-------|-------|-------|
| Moisture: | 2.0 % est. | Meter Box ID: | MB #7 | Est. Tm: | 98 °F | Pb: | 30.19 in. Hg | Pb: | 30.19 in. Hg | Vlc (ml) | | | |
| Barometric: | 30.10 in. Hg | Y: | 0.985 | Est. Ts: | 95 °F | Pg: | 3.00 in. WC | Pg: | 3.00 in. WC | K-FACTOR | 67.0 | | |
| Static Press: | -8.60 in. WC | AH @ (in. WC): | 1.827 | Est. ΔP: | 0.39 in. WC | O ₂ : | 20.9 % | O ₂ : | 20.9 % | CO ₂ : | 4.725 | | |
| Stack Press: | 29.47 in. Hg | Probe ID: | TC 7D | Est. Dn: | 0.262 in. | Target Rate: | 0.78 scfm | Check Pt. Initial | | Final | Corr. | | |
| CO ₂ : | 0.1 % | Liner Material: | glass | LEAK CHECK: | Pre | Mid 1 | Mid 2 | Mid 3 | Post | Mid 1 (cf) | 2.519 | 2.601 | 0.082 |
| O ₂ : | 20.9 % | Pitot ID: | P4-1 | Leak Rate (cfm): | 0.005 | 0.006 | 0.005 | -- | 0.003 | Mid 2 (cf) | 2.601 | 2.684 | 0.083 |
| N ₂ /CO: | 79.0 % | Pitot Cp/Type: | S-type | Vacuum (in Hg): | 12 | 9 | 10 | -- | 11 | Mid 3 (cf) | -- | -- | -- |
| Md: | 28.85 lb/lb-mole | Nozzle ID: | G-5 | Pitot Tube: | Pass | -- | -- | -- | Pass | Mid-Point Leak Check Vol (cf): | 0.165 | | |
| Ms: | 28.63 lb/lb-mole | Nozzle Dn (in.): | 0.260 | | | | | | | | | | |

| Sample Pt. | Sample Time (minutes) | | Dry Gas Meter Reading (ft ³) | Pitot Tube ΔP (in WC) | Gas Temperatures (°F) | | Orifice Press. ΔH (in. WC) | Pump Vac (in. Hg) | Gas Temperatures (°F) | | | Vs (fps) | | | |
|------------|-----------------------|-------|--|-----------------------|-----------------------|-------|----------------------------|-------------------|-----------------------|--------|----------|----------|-------|-------|-------|
| | Begin | End | | | DGM Average | Stack | | | Probe | Filter | Imp Exit | | Aux | % ISO | |
| A-1 | 0.00 | 4.00 | 816.310 | 0.28 | -- | -- | Ideal | Actual | -- | -- | -- | 60 | 101.3 | 30.84 | |
| 2 | 4.00 | 8.00 | 819.000 | 0.27 | 97 | 96 | 1.32 | 1.30 | 5 | 105 | 105 | 66 | 60 | 101.3 | 30.84 |
| 3 | 8.00 | 12.00 | 821.800 | 0.37 | 99 | 96 | 1.28 | 1.30 | 5 | 107 | 108 | 63 | 58 | 107.0 | 30.28 |
| 4 | 12.00 | 16.00 | 824.700 | 0.37 | 100 | 96 | 1.75 | 1.80 | 5 | 106 | 106 | 60 | 62 | 94.7 | 35.45 |
| 5 | 16.00 | 20.00 | 827.800 | 0.41 | 100 | 97 | 1.75 | 1.80 | 5 | 107 | 104 | 60 | 63 | 101.3 | 35.48 |
| 6 | 20.00 | 24.00 | 830.900 | 0.41 | 100 | 97 | 1.94 | 1.90 | 6 | 104 | 103 | 63 | 63 | 96.2 | 37.35 |
| 7 | 24.00 | 28.00 | 834.000 | 0.40 | 100 | 97 | 1.94 | 1.90 | 6 | 101 | 102 | 58 | 54 | 96.2 | 37.35 |
| 8 | 28.00 | 32.00 | 837.100 | 0.39 | 100 | 98 | 1.89 | 1.90 | 6 | 100 | 102 | 57 | 58 | 97.5 | 36.92 |
| 9 | 32.00 | 36.00 | 840.200 | 0.37 | 101 | 97 | 1.84 | 1.80 | 6 | 100 | 103 | 55 | 54 | 98.6 | 36.43 |
| 10 | 36.00 | 40.00 | 843.400 | 0.37 | 101 | 97 | 1.75 | 1.80 | 6 | 103 | 102 | 54 | 56 | 104.4 | 35.48 |
| 11 | 40.00 | 44.00 | 846.500 | 0.35 | 101 | 97 | 1.75 | 1.75 | 6 | 103 | 101 | 54 | 57 | 101.1 | 35.48 |
| 12 | 44.00 | 48.00 | 849.500 | 0.35 | 101 | 97 | 1.66 | 1.70 | 6 | 101 | 102 | 54 | 54 | 100.6 | 34.51 |
| B-1 | 48.00 | 52.00 | 852.519 | 0.31 | 96 | 96 | 1.66 | 1.70 | 6 | 102 | 103 | 54 | 55 | 101.2 | 34.51 |
| 2 | 52.00 | 56.00 | 855.300 | 0.32 | 96 | 96 | 1.46 | 1.50 | 6 | 100 | 104 | 64 | 56 | 99.8 | 32.45 |
| 3 | 56.00 | 60.00 | 858.100 | 0.32 | 96 | 96 | 1.51 | 1.50 | 6 | 105 | 106 | 55 | 53 | 98.9 | 32.97 |
| 4 | 60.00 | 64.00 | 860.800 | 0.39 | 96 | 96 | 1.51 | 1.50 | 6 | 106 | 107 | 54 | 54 | 95.4 | 32.97 |
| 5 | 64.00 | 68.00 | 863.700 | 0.38 | 96 | 96 | 1.83 | 1.80 | 7 | 107 | 103 | 54 | 56 | 92.9 | 36.39 |
| 6 | 68.00 | 72.00 | 866.800 | 0.43 | 96 | 96 | 1.79 | 1.80 | 7 | 105 | 104 | 54 | 54 | 100.6 | 35.92 |
| 7 | 72.00 | 76.00 | 870.000 | 0.44 | 96 | 95 | 2.02 | 2.00 | 8 | 100 | 103 | 54 | 54 | 97.6 | 38.21 |
| 8 | 76.00 | 80.00 | 873.400 | 0.44 | 96 | 95 | 2.07 | 2.10 | 8 | 105 | 105 | 54 | 54 | 102.5 | 38.62 |
| 9 | 80.00 | 84.00 | 876.650 | 0.43 | 95 | 95 | 2.07 | 2.10 | 8 | 104 | 102 | 53 | 54 | 98.1 | 38.62 |
| 10 | 84.00 | 88.00 | 879.900 | 0.42 | 95 | 95 | 2.02 | 2.00 | 8 | 103 | 104 | 54 | 55 | 99.2 | 38.18 |
| 11 | 88.00 | 92.00 | 883.000 | 0.43 | 95 | 95 | 1.98 | 2.00 | 8 | 102 | 103 | 54 | 55 | 95.8 | 37.73 |
| 12 | 92.00 | 96.00 | 886.200 | 0.41 | 95 | 95 | 2.02 | 2.00 | 8 | 106 | 103 | 55 | 57 | 97.7 | 38.18 |
| | | | Final DGM: | 889.453 | | | 1.93 | 1.90 | 8 | 103 | 104 | 55 | 56 | 101.7 | 37.28 |

| RESULTS | | Run Time | V _m | AP | T _m | T _s | Max Vac | ΔH | %ISO | BWS | Y _{qm} | |
|---------|-----|----------|-----------------|------|----------------|----------------|---------|-------|--------|------|-----------------|------|
| 96.0 | min | 72.978 | ft ³ | 0.38 | °F | 96.2 | °F | 1.785 | in. WC | 99.6 | 0.044 | -1.2 |

Outlet

Location Chemours Company - Fayetteville Works Facility, NC
Source VEN Carbon Bed Outlet
Project No. 2022-2345
Parameter HFPO-DA

| Run Number | | Run 1 | Run 2 | Run 3 | Average |
|--|------------------------|----------|---------|---------|-----------|
| Date | | 6/29/22 | 6/30/22 | 6/30/22 | -- |
| Start Time | | 8:31 | 14:08 | 16:32 | -- |
| Stop Time | | 10:25 | 16:01 | 18:26 | -- |
| Run Time, min | (θ) | 96.0 | 96.0 | 96.0 | 96.0 |
| INPUT DATA | | | | | |
| Barometric Pressure, in. Hg | (Pb) | 30.20 | 30.19 | 30.19 | 30.19 |
| Meter Correction Factor | (Y) | 1.003 | 1.003 | 1.003 | 1.003 |
| Orifice Calibration Value | ($\Delta H @$) | 1.643 | 1.643 | 1.643 | 1.643 |
| Meter Volume, ft ³ | (Vm) | 70.727 | 74.495 | 71.892 | 72.371 |
| Meter Temperature, °F | (Tm) | 87.8 | 103.0 | 104.0 | 98.3 |
| Meter Temperature, °R | (Tm) | 547.5 | 562.6 | 563.7 | 557.9 |
| Meter Orifice Pressure, in. WC | (ΔH) | 1.548 | 1.658 | 1.529 | 1.578 |
| Volume H ₂ O Collected, mL | (Vlc) | 64.0 | 71.9 | 72.1 | 69.3 |
| Nozzle Diameter, in | (Dn) | 0.256 | 0.256 | 0.256 | 0.256 |
| Area of Nozzle, ft ² | (An) | 0.0004 | 0.0004 | 0.0004 | 0.0004 |
| FH HFPO-DA Mass, ng | M _(HFPODA) | 6,380.0 | 1,330.0 | 1,460.0 | 3,056.7 |
| BH HFPO-DA Mass, ng | M _(HFPODA) | 116.0 | 223.0 | 143.0 | 160.7 |
| Imp HFPO-DA Mass, ng | M _(HFPODA) | -- | 104.0 | 55.1 | 79.6 |
| Breakthrough HFPO-DA Mass, ng | M _(HFPODA) | 61,600.0 | 12.8 | 11.4 | 20,541.40 |
| Total HFPO-DA Mass, ng | M _(HFPODA) | 68,096.0 | 1,669.8 | 1,669.5 | 23,811.8 |
| ISOKINETIC DATA | | | | | |
| Standard Meter Volume, ft ³ | (Vmstd) | 69.274 | 70.994 | 68.360 | 69.543 |
| Standard Water Volume, ft ³ | (Vwstd) | 3.018 | 3.391 | 3.400 | 3.270 |
| Moisture Fraction Measured | (BWSmsd) | 0.042 | 0.046 | 0.047 | 0.045 |
| Moisture Fraction @ Saturation | (BWSsat) | 0.046 | 0.065 | 0.061 | 0.057 |
| Moisture Fraction | (BWS) | 0.042 | 0.046 | 0.047 | 0.045 |
| Meter Pressure, in Hg | (Pm) | 30.31 | 30.31 | 30.30 | 30.31 |
| Volume at Nozzle, ft ³ | (Vn) | 74.247 | 78.049 | 74.988 | 75.76 |
| Isokinetic Sampling Rate, (%) | (I) | 102.4 | 102.4 | 103.6 | 102.8 |
| DGM Calibration Check Value, (+/- 5%) | (Y _{db}) | 1.6 | 2.0 | 2.4 | 2.0 |
| EMISSION CALCULATIONS | | | | | |
| HFPO-DA Concentration, ng/dscm | C _(HFPODA) | 3.5E+04 | 8.3E+02 | 8.6E+02 | 1.2E+04 |
| HFPO-DA Emission Rate, lb/hr | ER _(HFPODA) | 1.8E-03 | 4.4E-05 | 4.4E-05 | 6.3E-04 |
| REDUCTION CALCULATIONS | | | | | |
| Inlet HFPO-DA Emission Rate, lb/hr | RE _(HFPODA) | 4.7E-01 | 1.8E-02 | 3.3E-02 | 1.8E-01 |
| HFPO-DA Reduction Efficiency, % | RE _(HFPODA) | 99.6 | 99.8 | 99.9 | 99.7 |

Underlined values are non-detected reported as the reporting limit.

Location Chemours Company - Fayetteville Works Facility, NC

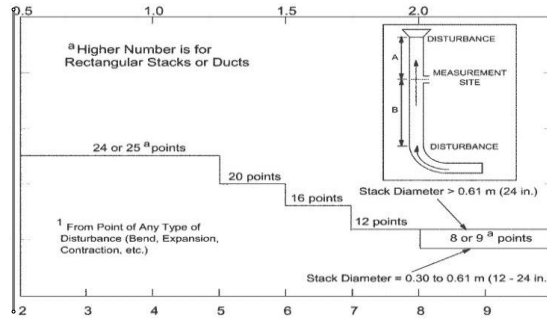
Source VEN Carbon Bed Outlet

Project No. 2022-2345

Date: 06/28/22

Stack Parameters

Duct Orientation: Horizontal
 Duct Design: Circular
 Distance from Far Wall to Outside of Port: 51.13 in
 Nipple Length: 15.13 in
 Depth of Duct: 36.00 in
 Cross Sectional Area of Duct: 7.07 ft²
 No. of Test Ports: 2
 Distance A: 4.8 ft
 Distance A Duct Diameters: 4.8 (must be > 0.5)
 Distance B: 5.7 ft
 Distance B Duct Diameters: 1.90 (must be > 2)
 Minimum Number of Traverse Points: 24
 Actual Number of Traverse Points: 24
 Number of Readings per Point: 1
 Measurer (Initial and Date): BAG-6/28/22
 Reviewer (Initial and Date): AA-6/28/22

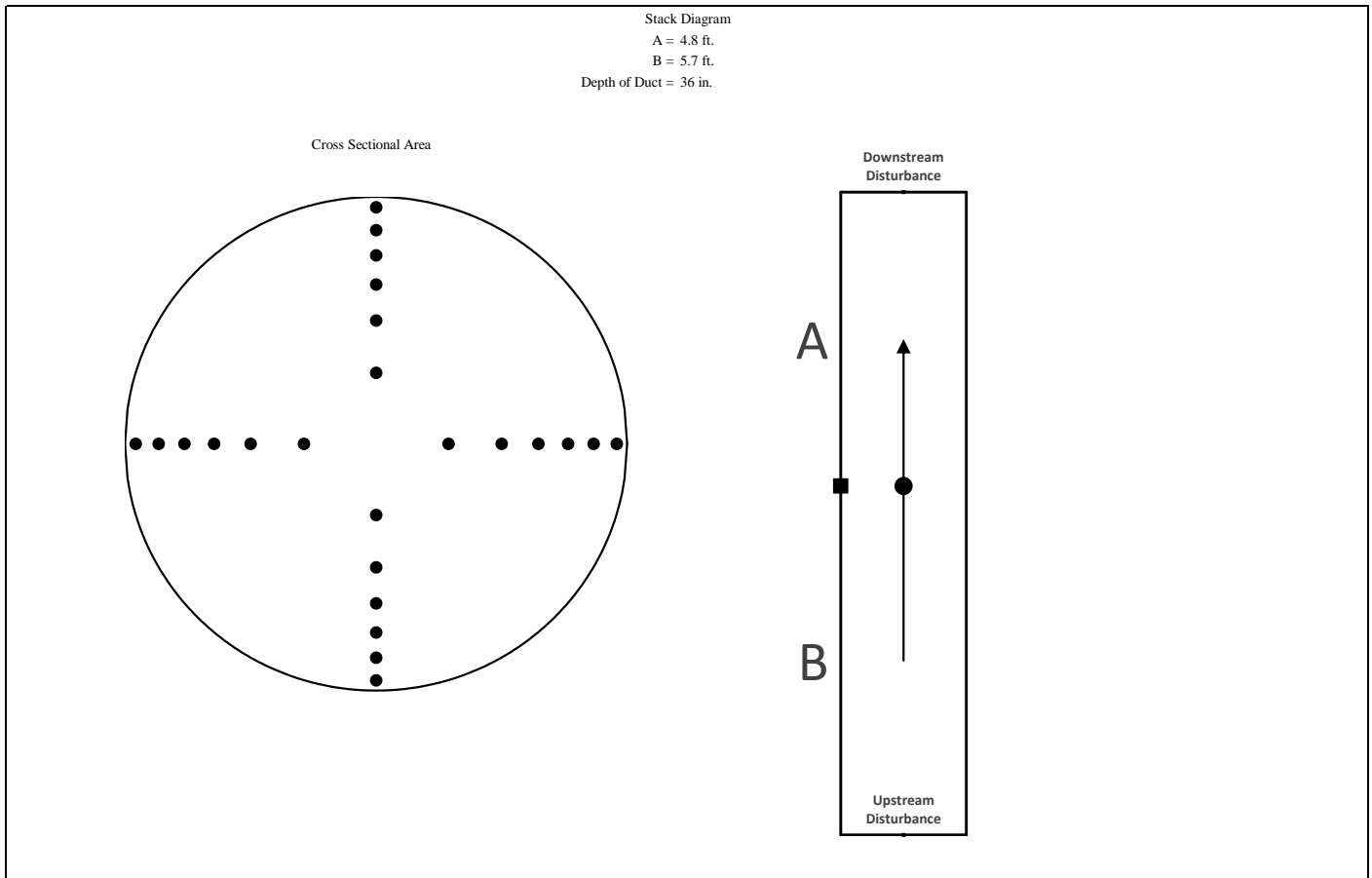


CIRCULAR DUCT

| LOCATION OF TRAVERSE POINTS | | | | | | | | | | | | |
|---|------|----|------|----|------|----|------|----|------|----|------|--|
| Number of traverse points on a diameter | | | | | | | | | | | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1 | 14.6 | -- | 6.7 | -- | 4.4 | -- | 3.2 | -- | 2.6 | -- | 2.1 | |
| 2 | 85.4 | -- | 25.0 | -- | 14.6 | -- | 10.5 | -- | 8.2 | -- | 6.7 | |
| 3 | -- | -- | 75.0 | -- | 29.6 | -- | 19.4 | -- | 14.6 | -- | 11.8 | |
| 4 | -- | -- | 93.3 | -- | 70.4 | -- | 32.3 | -- | 22.6 | -- | 17.7 | |
| 5 | -- | -- | -- | -- | 85.4 | -- | 67.7 | -- | 34.2 | -- | 25.0 | |
| 6 | -- | -- | -- | -- | 95.6 | -- | 80.6 | -- | 65.8 | -- | 35.6 | |
| 7 | -- | -- | -- | -- | -- | -- | 89.5 | -- | 77.4 | -- | 64.4 | |
| 8 | -- | -- | -- | -- | -- | -- | 96.8 | -- | 85.4 | -- | 75.0 | |
| 9 | -- | -- | -- | -- | -- | -- | -- | -- | 91.8 | -- | 82.3 | |
| 10 | -- | -- | -- | -- | -- | -- | -- | -- | 97.4 | -- | 88.2 | |
| 11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 93.3 | |
| 12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 97.9 | |

| Traverse Point | % of Diameter | Distance from inside wall | Distance from outside of port |
|----------------|---------------|---------------------------|-------------------------------|
| 1 | 2.1 | 1.00 | 16.13 |
| 2 | 6.7 | 2.41 | 17.54 |
| 3 | 11.8 | 4.25 | 19.37 |
| 4 | 17.7 | 6.37 | 21.50 |
| 5 | 25.0 | 9.00 | 24.13 |
| 6 | 35.6 | 12.82 | 27.94 |
| 7 | 64.4 | 23.18 | 38.31 |
| 8 | 75.0 | 27.00 | 42.13 |
| 9 | 82.3 | 29.63 | 44.75 |
| 10 | 88.2 | 31.75 | 46.88 |
| 11 | 93.3 | 33.59 | 48.71 |
| 12 | 97.9 | 35.00 | 50.13 |

*Percent of stack diameter from inside wall to traverse point.



Location Chemours Company - Fayetteville Works Facility, NC
 Source VEN Carbon Bed Outlet
 Project No. 2022-2345
 Date 06/29/22

| Sample Point | Angle (AP=0) |
|----------------|--------------|
| 1 | 10 |
| 2 | 10 |
| 3 | 12 |
| 4 | 12 |
| 5 | 10 |
| 6 | 10 |
| 7 | 10 |
| 8 | 8 |
| 9 | 10 |
| 10 | 10 |
| 11 | 10 |
| 12 | 8 |
| 13 | 10 |
| 14 | 18 |
| 15 | 16 |
| 16 | 15 |
| 17 | 15 |
| 18 | 16 |
| 19 | 8 |
| 20 | 8 |
| 21 | 8 |
| 22 | 4 |
| 23 | 6 |
| 24 | 6 |
| Average | 10 |

Location **Chemours Company - Fayetteville Works Facility, NC**

Source **VEN Carbon Bed Outlet**

Project No. **2022-2345**

Parameter **HFPO-DA**

| Run Number | | Run 1 | Run 2 | Run 3 | Average |
|---|--------------------|---------|---------|---------|---------|
| Date | | 6/29/22 | 6/30/22 | 6/30/22 | -- |
| Start Time | | 8:31 | 14:08 | 16:32 | -- |
| Stop Time | | 10:25 | 16:01 | 18:26 | -- |
| Run Time, min | | 96.0 | 96.0 | 96.0 | 96.0 |
| VELOCITY HEAD, in. WC | | | | | |
| Point 1 | | 0.32 | 0.41 | 0.38 | 0.37 |
| Point 2 | | 0.33 | 0.44 | 0.39 | 0.39 |
| Point 3 | | 0.41 | 0.47 | 0.43 | 0.44 |
| Point 4 | | 0.43 | 0.47 | 0.41 | 0.44 |
| Point 5 | | 0.45 | 0.46 | 0.40 | 0.44 |
| Point 6 | | 0.44 | 0.45 | 0.42 | 0.44 |
| Point 7 | | 0.40 | 0.44 | 0.37 | 0.40 |
| Point 8 | | 0.34 | 0.39 | 0.35 | 0.36 |
| Point 9 | | 0.33 | 0.34 | 0.31 | 0.33 |
| Point 10 | | 0.32 | 0.32 | 0.30 | 0.31 |
| Point 11 | | 0.32 | 0.31 | 0.28 | 0.30 |
| Point 12 | | 0.34 | 0.30 | 0.28 | 0.31 |
| Point 13 | | 0.25 | 0.65 | 0.70 | 0.53 |
| Point 14 | | 0.25 | 0.65 | 0.70 | 0.53 |
| Point 15 | | 0.66 | 0.66 | 0.62 | 0.65 |
| Point 16 | | 0.66 | 0.64 | 0.60 | 0.63 |
| Point 17 | | 0.63 | 0.62 | 0.51 | 0.59 |
| Point 18 | | 0.62 | 0.60 | 0.31 | 0.51 |
| Point 19 | | 0.60 | 0.32 | 0.29 | 0.40 |
| Point 20 | | 0.29 | 0.28 | 0.26 | 0.28 |
| Point 21 | | 0.24 | 0.24 | 0.22 | 0.23 |
| Point 22 | | 0.25 | 0.21 | 0.20 | 0.22 |
| Point 23 | | 0.23 | 0.22 | 0.21 | 0.22 |
| Point 24 | | 0.22 | 0.21 | 0.21 | 0.21 |
| CALCULATED DATA | | | | | |
| Square Root of ΔP , (in. WC) ^{1/2} | (ΔP) | 0.614 | 0.638 | 0.607 | 0.620 |
| Pitot Tube Coefficient | (Cp) | 0.840 | 0.840 | 0.840 | 0.840 |
| Barometric Pressure, in. Hg | (Pb) | 30.20 | 30.19 | 30.19 | 30.19 |
| Static Pressure, in. WC | (Pg) | 1.50 | 1.50 | 1.50 | 1.50 |
| Stack Pressure, in. Hg | (Ps) | 30.31 | 30.30 | 30.30 | 30.30 |
| Stack Cross-sectional Area, ft ² | (As) | 7.07 | 7.07 | 7.07 | 7.07 |
| Temperature, °F | (Ts) | 89.4 | 101.1 | 98.8 | 96.4 |
| Temperature, °R | (Ts) | 549.0 | 560.8 | 558.5 | 556.087 |
| Moisture Fraction Measured | (BWSmsd) | 0.042 | 0.046 | 0.047 | 0.045 |
| Moisture Fraction @ Saturation | (BWSsat) | 0.046 | 0.065 | 0.061 | 0.057 |
| Moisture Fraction | (BWS) | 0.042 | 0.046 | 0.047 | 0.045 |
| O ₂ Concentration, % | (O ₂) | 20.9 | 20.9 | 20.9 | 20.9 |
| CO ₂ Concentration, % | (CO ₂) | 0.1 | 0.1 | 0.1 | 0.1 |
| Molecular Weight, lb/lb-mole (dry) | (Md) | 28.85 | 28.85 | 28.85 | 28.85 |
| Molecular Weight, lb/lb-mole (wet) | (Ms) | 28.40 | 28.36 | 28.34 | 28.37 |
| Velocity, ft/sec | (Vs) | 35.2 | 37.0 | 35.2 | 35.8 |
| VOLUMETRIC FLOW RATE | | | | | |
| At Stack Conditions, acfm | (Qa) | 14,931 | 15,708 | 14,909 | 15,182 |
| At Standard Conditions, dscfm | (Qs) | 13,930 | 14,286 | 13,590 | 13,935 |

Location Chemours Company - Fayetteville Works Facility, NC
 Source VEN Carbon Bed Outlet
 Project No. 2022-2345
 Parameter HFPO-DA
 Analysis Gravimetric

| Run 1 | Date: 6/29/22 | | | | | | | | |
|-----------------|---------------|-------|-------|-------|-------|-------|----------|--------|--------|
| Impinger No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| Contents | XAD Trap | Empty | H2O | H2O | H2O | Empty | XAD Trap | Silica | -- |
| Initial Mass, g | 291.5 | 477.3 | 708.0 | 717.8 | 723.5 | 466.4 | 295.4 | 908.2 | 4588.1 |
| Final Mass, g | 313.7 | 494.3 | 706.3 | 717.7 | 723.6 | 468.3 | 305.1 | 923.1 | 4652.1 |
| Gain | 22.2 | 17.0 | -1.7 | -0.1 | 0.1 | 1.9 | 9.7 | 14.9 | 64.0 |
| Run 2 | Date: 6/30/22 | | | | | | | | |
| Impinger No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| Contents | XAD Trap | Empty | H2O | H2O | H2O | Empty | XAD Trap | Silica | -- |
| Initial Mass, g | 295.1 | 499.0 | 778.4 | 748.4 | 746.4 | 506.3 | 302.0 | 906.5 | 4782.1 |
| Final Mass, g | 318.8 | 519.1 | 776.3 | 749.8 | 746.8 | 508.1 | 313.2 | 921.9 | 4854.0 |
| Gain | 23.7 | 20.1 | -2.1 | 1.4 | 0.4 | 1.8 | 11.2 | 15.4 | 71.9 |
| Run 3 | Date: 6/30/22 | | | | | | | | |
| Impinger No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| Contents | XAD Trap | Empty | H2O | H2O | H2O | Empty | XAD Trap | Silica | -- |
| Initial Mass, g | 294.2 | 478.7 | 708.6 | 721.4 | 723.6 | 468.4 | 296.4 | 896.4 | 4587.7 |
| Final Mass, g | 317.0 | 498 | 707.3 | 721.8 | 724.2 | 470.2 | 310.8 | 910.5 | 4659.8 |
| Gain | 22.8 | 19.3 | -1.3 | 0.4 | 0.6 | 1.8 | 14.4 | 14.1 | 72.1 |

Isokinetic Field Data

| Location: Chemours Company - Fayetteville Works Facility, N | | Run 1 | | VALID | | Start Time: 8:31 | | Source: VEN Carbon Bed Outlet | | Parameter: HFO-DA | | |
|---|------------------|------------------|--------|------------------|----------------------------|------------------|--|-------------------------------|--------------|--------------------------------|----------|-------|
| Date: 6/29/22 | | Run 1 | | VALID | | End Time: 10:25 | | Project No.: 2022-2345 | | Parameter: HFO-DA | | |
| STACK DATA (EST) | | EQUIPMENT | | STACK DATA (EST) | | FILTRER NO. | | STACK DATA (FINAL) | | MOIST. DATA | | |
| Moisture: | 2.0 % est. | Meter Box ID: | MB #10 | Est. Tm: | 85 °F | | | Pb: | 30.20 in. Hg | | Vlc (ml) | |
| Barometric: | 30.10 in. Hg | Y: | 1.003 | Est. Ts: | 84 °F | | | Pg: | 1.50 in. WC | | 64.0 | |
| Static Press: | 2.80 in. WC | ΔH @ (in. WC): | 1.643 | Est. ΔP: | 0.55 in. WC | | | O ₂ : | 20.9 % | | K-FACTOR | |
| Stack Press: | 30.31 in. Hg | Probe ID: | TC-5D | Est. Dn: | 0.240 in. | | | CO ₂ : | 0.1 % | | 4.099 | |
| CO ₂ : | 0.1 % | Liner Material: | glass | Target Rate: | 0.78 scfm | | | | | Check Pt. | Initial | Final |
| O ₂ : | 20.9 % | Pitot ID: | P4-2 | LEAK CHECK: | Pre Mid 1 Mid 2 Mid 3 Post | | | | | Mid 1 (cf) | 0.498 | 0.612 |
| N ₂ /CO: | 79.0 % | Pitot Cp/Type: | 0.840 | Leak Rate (cfm): | 0.001 0.001 0.001 0.001 | | | | | Mid 2 (cf) | 0.612 | 0.885 |
| Md: | 28.85 lb/lb-mole | Nozzle ID: | G-4 | Vacuum (in Hg): | 10 8 8 | | | | | Mid 3 (cf) | | 0.273 |
| Ms: | 28.63 lb/lb-mole | Nozzle Dn (in.): | 0.256 | Pitot Tube: | Pass | | | | | Mid-Point Leak Check Vol (cf): | | 0.387 |

| Sample Pt. | Sample Time (minutes) | | Dry Gas Meter Reading (ft ³) | Pitot Tube ΔP (in WC) | Gas Temperatures (°F) | | Orifice Press. ΔH (in. WC) | Pump Vac (in. Hg) | Gas Temperatures (°F) | | | Vs (fps) | | | |
|------------|-----------------------|------------|--|-----------------------|-----------------------|-------|----------------------------|-------------------|-----------------------|--------|----------|----------|-------|-------|--|
| | Begin | End | | | DGM Average | Stack | | | Probe | Filter | Imp Exit | | Aux | % ISO | |
| A-1 | 0.00 | 4.00 | 535.384 | 0.32 | 79 | 79 | Ideal | 5 | Amb. | 78 | 79 | 56 | 102.5 | 32.06 | |
| 2 | 4.00 | 8.00 | 538.150 | 0.33 | 81 | 81 | 1.31 | 5 | 78 | 78 | 79 | 65 | 103.7 | 32.68 | |
| 3 | 8.00 | 12.00 | 540.980 | 0.41 | 85 | 85 | 1.34 | 5 | 95 | 95 | 96 | 60 | 95.7 | 36.43 | |
| 4 | 12.00 | 16.00 | 543.890 | 0.43 | 85 | 85 | 1.67 | 5 | 96 | 96 | 98 | 58 | 99.9 | 37.31 | |
| 5 | 16.00 | 20.00 | 547.000 | 0.45 | 84 | 84 | 1.75 | 5 | 93 | 93 | 98 | 59 | 98.4 | 38.16 | |
| 6 | 20.00 | 24.00 | 550.150 | 0.44 | 85 | 85 | 1.84 | 5 | 93 | 93 | 100 | 60 | 98.9 | 37.81 | |
| 7 | 24.00 | 28.00 | 553.280 | 0.40 | 87 | 87 | 1.79 | 5 | 94 | 94 | 100 | 59 | 98.0 | 36.05 | |
| 8 | 28.00 | 32.00 | 556.240 | 0.34 | 85 | 85 | 1.63 | 5 | 93 | 93 | 99 | 60 | 98.0 | 33.20 | |
| 9 | 32.00 | 36.00 | 559.100 | 0.33 | 86 | 86 | 1.39 | 5 | 93 | 93 | 100 | 62 | 102.6 | 32.77 | |
| 10 | 36.00 | 40.00 | 561.950 | 0.32 | 87 | 87 | 1.35 | 5 | 93 | 93 | 99 | 63 | 103.6 | 32.27 | |
| 11 | 40.00 | 44.00 | 564.810 | 0.32 | 88 | 88 | 1.31 | 5 | 93 | 93 | 101 | 64 | 105.2 | 32.30 | |
| 12 | 44.00 | 48.00 | 567.660 | 0.34 | 89 | 89 | 1.31 | 5 | 94 | 94 | 100 | 64 | 104.7 | 32.30 | |
| B-1 | 48.00 | 52.00 | 570.885 | 0.25 | 90 | 90 | 1.39 | 5 | 94 | 94 | 100 | 64 | 101.2 | 33.29 | |
| 2 | 52.00 | 56.00 | 573.190 | 0.25 | 89 | 89 | 1.03 | 4 | 92 | 92 | 105 | 65 | 95.7 | 28.55 | |
| 3 | 56.00 | 60.00 | 575.780 | 0.66 | 90 | 90 | 1.03 | 4 | 93 | 93 | 105 | 63 | 107.6 | 28.55 | |
| 4 | 60.00 | 64.00 | 579.440 | 0.66 | 92 | 92 | 2.70 | 8 | 96 | 96 | 104 | 49 | 93.7 | 46.43 | |
| 5 | 64.00 | 68.00 | 583.200 | 0.63 | 90 | 90 | 2.70 | 8 | 96 | 96 | 105 | 50 | 96.2 | 46.43 | |
| 6 | 68.00 | 72.00 | 586.960 | 0.62 | 92 | 92 | 2.59 | 8 | 96 | 96 | 104 | 57 | 98.3 | 45.36 | |
| 7 | 72.00 | 76.00 | 590.700 | 0.60 | 91 | 91 | 2.53 | 8 | 96 | 96 | 96 | 57 | 99.1 | 45.08 | |
| 8 | 76.00 | 80.00 | 594.450 | 0.29 | 90 | 90 | 2.43 | 8 | 96 | 96 | 99 | 57 | 101.3 | 44.43 | |
| 9 | 80.00 | 84.00 | 597.000 | 0.24 | 90 | 90 | 1.18 | 5 | 96 | 96 | 99 | 56 | 98.9 | 30.92 | |
| 10 | 84.00 | 88.00 | 599.400 | 0.25 | 90 | 90 | 0.97 | 5 | 96 | 96 | 101 | 58 | 102.3 | 28.13 | |
| 11 | 88.00 | 92.00 | 601.890 | 0.23 | 90 | 90 | 1.02 | 5 | 96 | 96 | 100 | 58 | 104.0 | 28.71 | |
| 12 | 92.00 | 96.00 | 604.220 | 0.22 | 90 | 90 | 0.93 | 5 | 96 | 96 | 100 | 58 | 101.4 | 27.53 | |
| | | | | | | | | | | | | | | | |
| | | Final DGM: | | | | | | | | | | | | | |
| | | 606.498 | | | | | | | | | | | | | |

| Run Time | V _m | AP | T _m | T _s | Max Vac | ΔH | %ISO | BWS | Y _{qm} |
|----------|------------------------|-------------|----------------|----------------|---------|--------------|-------|-------|-----------------|
| 96.0 min | 70.727 ft ³ | 0.39 in. WC | 87.8 °F | 89.4 °F | 8 | 1.548 in. WC | 102.4 | 0.042 | 1.6 |

RESULTS

Isokinetic Field Data

| Location: Chemours Company - Fayetteville Works Facility, N | | Start Time: 14:08 | | Source: VEN Carbon Bed Outlet | | Parameter: HFO-DA | | | | | | | | |
|---|------------------|-------------------|--------|-------------------------------|----------------------------|-------------------|--------------|--------------------|--------------|-------------|--------------------------------|-------|-------|-------|
| Date: 6/30/22 | | End Time: 16:01 | | Project No.: 2022-2345 | | | | | | | | | | |
| Run 2 | | VALID | | | | | | | | | | | | |
| STACK DATA (EST) | | EQUIPMENT | | STACK DATA (EST) | | FILTRER NO. | | STACK DATA (FINAL) | | MOIST. DATA | | | | |
| Moisture: | 2.0 % est. | Meter Box ID: | MB #10 | Est. Tm: | 88 °F | Pb: | 30.19 in. Hg | Pb: | 30.19 in. Hg | Vlc (ml) | | | | |
| Barometric: | 30.10 in. Hg | Y: | 1.003 | Est. Ts: | 89 °F | Pg: | 1.50 in. WC | Pg: | 1.50 in. WC | | 71.9 | | | |
| Static Press: | 2.80 in. WC | AH @ (in. WC): | 1.643 | Est. ΔP: | 0.39 in. WC | O ₂ : | 20.9 % | O ₂ : | 20.9 % | | K-FACTOR | | | |
| Stack Press: | 30.31 in. Hg | Probe ID: | TC-5D | Est. Dn: | 0.262 in. | CO ₂ : | 0.1 % | CO ₂ : | 0.1 % | | 4.08 | | | |
| CO ₂ : | 0.1 % | Liner Material: | glass | Target Rate: | 0.78 scfm | | | | | | Corr. | | | |
| O ₂ : | 20.9 % | Pitot ID: | P4-2 | LEAK CHECK: | Pre Mid 1 Mid 2 Mid 3 Post | | | | | | Mid 1 (cf) | 4.685 | 4.875 | 0.190 |
| N ₂ /CO: | 79.0 % | Pitot Cp/Type: | 0.840 | S-type | 0.001 0.001 0.001 0.001 | | | | | | Mid 2 (cf) | 4.875 | 4.980 | 0.105 |
| Md: | 28.85 lb/lb-mole | Nozzle ID: | G-4 | glass | 10 10 10 10 | | | | | | Mid 3 (cf) | | | -- |
| Ms: | 28.63 lb/lb-mole | Nozzle Dn (in.): | 0.256 | | Pass | | | | | | Mid-Point Leak Check Vol (cf): | | | 0.295 |
| | | | | | Pitot Tube: | | | | | | | | | |

| Sample Pt. | Sample Time (minutes) | | Dry Gas Meter Reading (ft ³) | Pitot Tube ΔP (in WC) | Gas Temperatures (°F) | | Orifice Press. ΔH (in. WC) | Pump Vac (in. Hg) | Gas Temperatures (°F) | | | Vs (fps) | | |
|-------------------|-----------------------|-------|--|-----------------------|-----------------------|-------|----------------------------|-------------------|-----------------------|--------|----------|----------|-------|-------|
| | Begin | End | | | DGM Average | Stack | | | Probe | Filter | Imp Exit | | Aux | % ISO |
| A-1 | 0.00 | 4.00 | 608.110 | 0.41 | 94 | 104 | 1.65 | 6 | 106 | 110 | 64 | 65 | 98.4 | 37.06 |
| 2 | 4.00 | 8.00 | 611.120 | 0.44 | 97 | 103 | 1.78 | 6 | 105 | 107 | 65 | 63 | 97.8 | 38.36 |
| 3 | 8.00 | 12.00 | 614.240 | 0.47 | 98 | 103 | 1.91 | 6 | 105 | 107 | 66 | 60 | 98.4 | 39.64 |
| 4 | 12.00 | 16.00 | 617.490 | 0.47 | 98 | 103 | 1.91 | 6 | 105 | 106 | 65 | 58 | 102.4 | 39.64 |
| 5 | 16.00 | 20.00 | 620.870 | 0.46 | 100 | 101 | 1.88 | 6 | 106 | 104 | 62 | 58 | 101.4 | 39.15 |
| 6 | 20.00 | 24.00 | 624.200 | 0.45 | 100 | 101 | 1.84 | 6 | 105 | 105 | 61 | 58 | 101.6 | 38.72 |
| 7 | 24.00 | 28.00 | 627.500 | 0.44 | 101 | 101 | 1.80 | 6 | 106 | 105 | 60 | 59 | 100.6 | 38.29 |
| 8 | 28.00 | 32.00 | 630.740 | 0.39 | 102 | 101 | 1.60 | 6 | 106 | 105 | 60 | 60 | 99.1 | 36.05 |
| 9 | 32.00 | 36.00 | 633.750 | 0.34 | 102 | 101 | 1.39 | 5 | 106 | 105 | 60 | 61 | 103.0 | 33.66 |
| 10 | 36.00 | 40.00 | 636.670 | 0.32 | 102 | 100 | 1.31 | 5 | 105 | 105 | 60 | 61 | 98.0 | 32.62 |
| 11 | 40.00 | 44.00 | 639.370 | 0.31 | 103 | 100 | 1.28 | 4 | 105 | 105 | 60 | 62 | 99.4 | 32.11 |
| 12 | 44.00 | 48.00 | 642.070 | 0.30 | 103 | 100 | 1.24 | 4 | 105 | 105 | 62 | 62 | 97.9 | 31.59 |
| B-1 | 48.00 | 52.00 | 644.685 | 0.65 | 102 | 100 | 2.66 | 10 | 105 | 104 | 64 | 58 | 96.3 | 46.49 |
| 2 | 52.00 | 56.00 | 648.750 | 0.65 | 103 | 100 | 2.67 | 10 | 106 | 105 | 57 | 55 | 98.2 | 46.49 |
| 3 | 56.00 | 60.00 | 652.600 | 0.66 | 104 | 100 | 2.71 | 10 | 106 | 105 | 56 | 57 | 98.0 | 46.85 |
| 4 | 60.00 | 64.00 | 656.480 | 0.64 | 105 | 100 | 2.64 | 10 | 106 | 105 | 57 | 51 | 100.4 | 46.14 |
| 5 | 64.00 | 68.00 | 660.400 | 0.62 | 106 | 101 | 2.55 | 10 | 105 | 106 | 57 | 52 | 101.4 | 45.45 |
| 6 | 68.00 | 72.00 | 664.300 | 0.60 | 106 | 101 | 2.47 | 10 | 105 | 105 | 57 | 53 | 100.9 | 44.71 |
| 7 | 72.00 | 76.00 | 668.120 | 0.32 | 107 | 101 | 1.32 | 7 | 105 | 105 | 58 | 51 | 100.5 | 32.65 |
| 8 | 76.00 | 80.00 | 670.910 | 0.28 | 107 | 101 | 1.16 | 6 | 105 | 105 | 58 | 52 | 99.3 | 30.54 |
| 9 | 80.00 | 84.00 | 673.490 | 0.24 | 107 | 101 | 0.99 | 5 | 105 | 105 | 59 | 51 | 102.2 | 28.28 |
| 10 | 84.00 | 88.00 | 675.950 | 0.21 | 108 | 101 | 0.87 | 5 | 106 | 105 | 59 | 53 | 101.1 | 26.45 |
| 11 | 88.00 | 92.00 | 678.230 | 0.22 | 108 | 101 | 0.91 | 5 | 106 | 106 | 59 | 52 | 102.2 | 27.07 |
| 12 | 92.00 | 96.00 | 680.590 | 0.21 | 108 | 101 | 0.87 | 5 | 105 | 105 | 59 | 51 | 102.4 | 26.45 |
| Final DGM: | | | 682.900 | | | | | | | | | | | |

| Run Time | | V _m | AP | T _m | T _s | Max Vac | ΔH | %ISO | BWS | Y _{qm} | |
|----------|-----|----------------|-----------------|----------------|----------------|---------|-------|--------|-------|-----------------|-----|
| 96.0 | min | 74.495 | ft ³ | 103.0 | °F | 10 | 1.658 | in. WC | 102.4 | 0.046 | 2.0 |

RESULTS

Isokinetic Field Data

| Location: Chemours Company - Fayetteville Works Facility, N | | Start Time: 16:32 | | Source: VEN Carbon Bed Outlet | | Parameter: HFPO-DA | | | | | | | |
|---|------------------|-------------------|--------|-------------------------------|-------------|--------------------|--------------|--------------------|--------------|--------------------------------|---------|-------|-------|
| Date: 6/30/22 | | End Time: 18:26 | | Project No.: 2022-2345 | | | | | | | | | |
| Run 3 | | VALID | | | | | | | | | | | |
| STACK DATA (EST) | | EQUIPMENT | | STACK DATA (EST) | | FILTER NO. | | STACK DATA (FINAL) | | MOIST. DATA | | | |
| Moisture: | 2.0 % est. | Meter Box ID: | MB #10 | Est. Tm: | 103 °F | Pb: | 30.19 in. Hg | Pb: | 30.19 in. Hg | Vlc (ml) | | | |
| Barometric: | 30.10 in. Hg | Y: | 1.003 | Est. Ts: | 101 °F | Pg: | 1.50 in. WC | Pg: | 1.50 in. WC | | 72.1 | | |
| Static Press: | 2.80 in. WC | AH @ (in. WC): | 1.643 | Est. ΔP: | 0.42 in. WC | O ₂ : | 20.9 % | O ₂ : | 20.9 % | K-FACTOR | | | |
| Stack Press: | 30.31 in. Hg | Probe ID: | TC-5D | Est. Dn: | 0.254 in. | CO ₂ : | 0.1 % | CO ₂ : | 0.1 % | | 4.105 | | |
| CO ₂ : | 0.1 % | Liner Material: | glass | Target Rate: | 0.78 scfm | | | | | Check Pt. | Initial | Final | Corr. |
| O ₂ : | 20.9 % | Pitot ID: | P4-2 | LEAK CHECK: | Pre | Mid 1 | Mid 2 | Mid 3 | Post | Mid 1 (cf) | 9.090 | 9.245 | 0.155 |
| N ₂ /CO: | 79.0 % | Pitot Cp/Type: | 0.840 | Leak Rate (cfm): | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | Mid 2 (cf) | 9.245 | 9.321 | 0.076 |
| Md: | 28.85 lb/lb-mole | Nozzle ID: | G-4 | Vacuum (in Hg): | 10 | 10 | 10 | 10 | 12 | Mid 3 (cf) | | | -- |
| Ms: | 28.63 lb/lb-mole | Nozzle Dn (in.): | 0.256 | Pitot Tube: | Pass | -- | -- | -- | Pass | Mid-Point Leak Check Vol (cf): | | | 0.231 |

| Sample Pt. | Sample Time (minutes) | | Dry Gas Meter Reading (ft ³) | Pitot Tube ΔP (in WC) | Gas Temperatures (°F) | | Orifice Press. ΔH (in. WC) | Pump Vac (in. Hg) | Gas Temperatures (°F) | | | Vs (fps) | | | |
|-------------------|-----------------------|-------|--|-----------------------|-----------------------|-------|----------------------------|-------------------|-----------------------|--------|----------|----------|------|-------|-------|
| | Begin | End | | | DGM Average | Stack | | | Probe | Filter | Imp Exit | | Aux | % ISO | |
| | | | | | Amb. | Amb. | | | Amb. | Amb. | Amb. | | Amb. | Amb. | |
| A-1 | 0.00 | 4.00 | 683.637 | 0.38 | -- | 104 | 105 | 1.55 | 1.60 | 105 | 105 | 64 | 57 | 102.2 | 35.71 |
| 2 | 4.00 | 8.00 | 686.700 | 0.39 | -- | 104 | 105 | 1.59 | 1.50 | 105 | 105 | 63 | 51 | 100.1 | 36.18 |
| 3 | 8.00 | 12.00 | 689.740 | 0.43 | -- | 104 | 109 | 1.74 | 1.70 | 109 | 115 | 65 | 51 | 100.8 | 38.12 |
| 4 | 12.00 | 16.00 | 692.940 | 0.41 | -- | 104 | 108 | 1.67 | 1.60 | 108 | 115 | 63 | 51 | 101.8 | 37.19 |
| 5 | 16.00 | 20.00 | 696.100 | 0.40 | -- | 105 | 107 | 1.63 | 1.60 | 107 | 115 | 63 | 51 | 102.1 | 36.70 |
| 6 | 20.00 | 24.00 | 699.240 | 0.42 | -- | 105 | 107 | 1.71 | 1.70 | 107 | 115 | 62 | 51 | 100.3 | 37.61 |
| 7 | 24.00 | 28.00 | 702.400 | 0.37 | -- | 106 | 104 | 1.52 | 1.50 | 104 | 115 | 62 | 50 | 101.0 | 35.20 |
| 8 | 28.00 | 32.00 | 705.400 | 0.35 | -- | 106 | 103 | 1.44 | 1.40 | 103 | 115 | 62 | 51 | 100.3 | 34.21 |
| 9 | 32.00 | 36.00 | 708.300 | 0.31 | -- | 106 | 102 | 1.28 | 1.20 | 102 | 115 | 63 | 53 | 103.1 | 32.17 |
| 10 | 36.00 | 40.00 | 711.110 | 0.30 | -- | 106 | 100 | 1.24 | 1.20 | 100 | 115 | 63 | 54 | 101.2 | 31.59 |
| 11 | 40.00 | 44.00 | 713.830 | 0.28 | -- | 106 | 99 | 1.16 | 1.10 | 99 | 115 | 65 | 54 | 99.7 | 30.49 |
| 12 | 44.00 | 48.00 | 716.420 | 0.28 | -- | 106 | 98 | 1.16 | 1.10 | 98 | 115 | 66 | 57 | 102.7 | 30.46 |
| B-1 | 48.00 | 52.00 | 719.090 | 0.70 | -- | 102 | 96 | 2.89 | 2.80 | 96 | 105 | 66 | 59 | 100.4 | 48.08 |
| 2 | 52.00 | 56.00 | 723.410 | 0.70 | -- | 103 | 95 | 2.90 | 2.80 | 95 | 105 | 62 | 49 | 100.1 | 48.03 |
| 3 | 56.00 | 60.00 | 727.500 | 0.62 | -- | 103 | 95 | 2.57 | 2.50 | 95 | 105 | 59 | 45 | 101.6 | 45.21 |
| 4 | 60.00 | 64.00 | 731.410 | 0.60 | -- | 104 | 95 | 2.49 | 2.40 | 95 | 105 | 57 | 45 | 99.4 | 44.47 |
| 5 | 64.00 | 68.00 | 735.180 | 0.51 | -- | 104 | 95 | 2.12 | 2.00 | 95 | 105 | 54 | 44 | 100.6 | 41.00 |
| 6 | 68.00 | 72.00 | 738.700 | 0.31 | -- | 103 | 94 | 1.29 | 1.30 | 94 | 105 | 54 | 45 | 100.7 | 31.94 |
| 7 | 72.00 | 76.00 | 741.450 | 0.29 | -- | 103 | 94 | 1.21 | 1.20 | 94 | 105 | 54 | 44 | 100.3 | 30.89 |
| 8 | 76.00 | 80.00 | 744.100 | 0.26 | -- | 103 | 93 | 1.08 | 1.10 | 93 | 105 | 54 | 44 | 102.2 | 29.22 |
| 9 | 80.00 | 84.00 | 746.660 | 0.22 | -- | 103 | 92 | 0.92 | 0.89 | 92 | 105 | 53 | 46 | 101.4 | 26.86 |
| 10 | 84.00 | 88.00 | 749.000 | 0.20 | -- | 103 | 92 | 0.84 | 0.81 | 92 | 105 | 54 | 44 | 100.5 | 25.61 |
| 11 | 88.00 | 92.00 | 751.210 | 0.21 | -- | 102 | 92 | 0.88 | 0.85 | 92 | 105 | 54 | 45 | 101.8 | 26.24 |
| 12 | 92.00 | 96.00 | 753.500 | 0.21 | -- | 102 | 91 | 0.88 | 0.85 | 91 | 105 | 55 | 45 | 100.4 | 26.21 |
| Final DGM: | | | 755.760 | | | | | | | | | | | | |

| RESULTS | | Run Time | V _m | AP | T _m | T _s | Max Vac | ΔH | %ISO | BWS | Y _{qm} | |
|---------|-----|----------|-----------------|------|----------------|----------------|---------|-------|--------|-------|-----------------|-----|
| 96.0 | min | 71.892 | ft ³ | 0.38 | °F | 98.8 | °F | 1.529 | in. WC | 103.6 | 0.047 | 2.4 |

Appendix C

ANALYTICAL REPORT

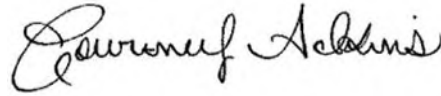
Eurofins Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-27976-1
Client Project/Site: VEN CB INLET Q2

For:

The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Michael Aucoin



Authorized for release by:
7/13/2022 4:22:31 PM

Courtney Adkins, Project Manager II
(865)291-3019
Courtney.Adkins@et.eurofinsus.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

| | |
|------------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 6 |
| Default Detection Limits | 10 |
| Isotope Dilution Summary | 11 |
| QC Sample Results | 12 |
| QC Association Summary | 14 |
| Lab Chronicle | 17 |
| Certification Summary | 23 |
| Method Summary | 24 |
| Sample Summary | 25 |
| Chain of Custody | 26 |
| Receipt Checklists | 34 |

Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Job ID: 140-27976-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative 140-27976-1

Receipt

The samples were received on 7/1/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7° C.

LCMS

Methods 537 (modified), Dilution: LC/MS/MS Sampling Train Preparation and Analysis: The sampling train components are extracted and analyzed for Per- and Polyfluorinated Alkyl Substances (PFAS) using Eurofins TestAmerica Knoxville standard operating procedures KNOX-OP-0026 and KNOX-LC-0007.

The sampling trains are prepared as four analytical fractions: The particulate filter and front half of the filter holder, nozzle and probe solvent rinses are combined for one analytical fraction. The XAD-2 resin trap and back half of the filter holder, coil condenser and connecting glassware solvent rinses are also combined as a separate analytical fraction. The condensate, impinger contents and their related glassware DI water rinses make up the third analytical fraction. The breakthrough XAD module makes up the fourth analytical fraction.

The filters and XAD components are spiked with isotope dilution internal standards and the components are extracted with methanol/ammonium hydroxide by shaking for at least 18 hours. The extracts are concentrated to 10 mL and analyzed by HPLC/MS/MS. The condensates are spiked with the isotope dilution internal standards and extracted using either Solid-Phase Extraction (SPE) or diluting the water sample for analysis. Each extract at its final volume is 80:20 methanol:water

Sample results were calculated using the following equation:

Result, ng/sample = (on-column concentration, ng/mL) × (nominal final volume of extract (10 mL) / 1 sample) × DF × SF

Where:

DF = Instrument dilution factor

SF = Extraction Split Factor = (final volume of extract in the initial extraction batch / initial volume of extract in the "Split" batch)

For condensate, if less than the entire sample is extracted, the fraction of sample used replaces "1 sample"

Method 537 (modified): The following samples were reported with elevated reporting limits for all analytes: T-0339 VEN CB INTLET R1 CONDENSATE (140-27976-5), T-0346 VEN CB INLET R2 CONDENSATE (140-27976-11) and T-0353 VEN CB INLET R3 CONDENSATE (140-27976-17). The sample was analyzed at a dilution based on screening results.

Method 537 (modified): The required dilution factor for the following sample was higher than could be achieved by "in vial" dilution, as it would dilute out the Isotope Dilution Analytes (IDA): T-0339 VEN CB INTLET R1 CONDENSATE (140-27976-5). As such, the dilution was achieved by taking a subsample of the undiluted extract, adding sufficient solvent, and re-spiking the extract with IDA.

Method 537 (modified): Results for samples T-0346 VEN CB INLET R2 CONDENSATE (140-27976-11) and T-0353 VEN CB INLET R3 CONDENSATE (140-27976-17) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): The following samples were reported with elevated reporting limits for all analytes: T-0337, T-0338, T-0340 VEN CB INTLET R1 BH COMPOSITE (140-27976-4), T-0341 VEN CB INLET R1 BREAKTHROUGH XAD-2 (140-27976-6), T-0344, T-0345, T-0347 VEN CB INLET R2 BH COMPOSITE (140-27976-10), T-0348 VEN CB INLET R2 BREAKTHROUGH XAD-2 (140-27976-12), T-0351, T-0352, T-0354 VEN CB INLET R3 BH COMPOSITE (140-27976-16) and T-0355 VEN CB INLET R3 BREAKTHROUGH XAD-2 (140-27976-18). The sample was analyzed at a dilution based on screening results.

Method 537 (modified): Results for samples T-0341 VEN CB INLET R1 BREAKTHROUGH XAD-2 (140-27976-6) and T-0348 VEN CB INLET R2 BREAKTHROUGH XAD-2 (140-27976-12) were reported from the analysis of a diluted extract due to high concentration of the

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Job ID: 140-27976-1 (Continued)

Laboratory: Eurofins Knoxville (Continued)

target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): The required dilution factor for the following samples were higher than could be achieved by "in vial" dilution, as it would dilute out the Isotope Dilution Analytes (IDA): T-0337, T-0338, T-0340 VEN CB INTLET R1 BH COMPOSITE (140-27976-4), T-0344, T-0345, T-0347 VEN CB INLET R2 BH COMPOSITE (140-27976-10), T-0351, T-0352, T-0354 VEN CB INLET R3 BH COMPOSITE (140-27976-16) and T-0355 VEN CB INLET R3 BREAKTHROUGH XAD-2 (140-27976-18). As such, the dilution was achieved by taking a subsample of the undiluted extract, adding sufficient solvent, and re-spiking the extract with IDA.

Method 537 (modified): The following samples were reported with elevated reporting limits for all analytes: T-0335, T-0336 VEN CB INLET R1 FH COMPOSITE (140-27976-3), T-0342, T-0343 VEN CB INLET R2 FH COMPOSITE (140-27976-9) and T-0350, T-0351 VEN CB INLET R3 FH COMPOSITE (140-27976-15). The sample was analyzed at a dilution based on screening results.

Method 537 (modified): The required dilution factor for the following samples were higher than could be achieved by "in vial" dilution, as it would dilute out the Isotope Dilution Analytes (IDA): T-0335, T-0336 VEN CB INLET R1 FH COMPOSITE (140-27976-3), T-0342, T-0343 VEN CB INLET R2 FH COMPOSITE (140-27976-9) and T-0350, T-0351 VEN CB INLET R3 FH COMPOSITE (140-27976-15). As such, the dilution was achieved by taking a subsample of the undiluted extract, adding sufficient solvent, and re-spiking the extract with IDA.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0335 VEN CB INLET R1 TARED FILTER

Lab Sample ID: 140-27976-1

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | ND | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:33 | 1 |

Client Sample ID: T-0393 VEN CB INLET R1 ACETONE

Lab Sample ID: 140-27976-2

PROBE RINSE

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | 1.59 | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:37 | 1 |

Client Sample ID: T-0335, T-0336 VEN CB INLET R1 FH

Lab Sample ID: 140-27976-3

COMPOSITE

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|-----------------|------|-----------|---|-----------------------|-----------------------|----------------|
| HFPO-DA | 366 | | 24.7 | 23.2 | ug/Sample | | 07/08/22 08:38 | 07/11/22 17:26 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>13C3 HFPO-DA</i> | <i>104</i> | | <i>25 - 150</i> | | | | <i>07/08/22 08:38</i> | <i>07/11/22 17:26</i> | <i>1</i> |

Client Sample ID: T-0337, T-0338, T-0340 VEN CB INTLET R1

Lab Sample ID: 140-27976-4

BH COMPOSITE

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|-----------------|------|-----------|---|-----------------------|-----------------------|----------------|
| HFPO-DA | 14100 | | 5000 | 2750 | ug/Sample | | 07/02/22 06:10 | 07/10/22 04:22 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>13C3 HFPO-DA</i> | <i>104</i> | | <i>25 - 150</i> | | | | <i>07/02/22 06:10</i> | <i>07/10/22 04:22</i> | <i>1</i> |

Client Sample ID: T-0339 VEN CB INTLET R1 CONDENSATE

Lab Sample ID: 140-27976-5

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|-----------------|------|-----------|---|-----------------------|-----------------------|----------------|
| HFPO-DA | 3220 | | 31.0 | 12.4 | ug/Sample | | 07/02/22 08:09 | 07/03/22 11:14 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>13C3 HFPO-DA</i> | <i>77</i> | | <i>25 - 150</i> | | | | <i>07/02/22 08:09</i> | <i>07/03/22 11:14</i> | <i>1</i> |

Eurofins Knoxville

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0341 VEN CB INLET R1 BREAKTHROUGH XAD-2

Lab Sample ID: 140-27976-6

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 21:26 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 104 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 06:10 | 07/10/22 21:26 | 1 |

Client Sample ID: T-0342 VEN CB INTLET R2 TARED FILTER

Lab Sample ID: 140-27976-7

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | ND | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:33 | 1 |

Client Sample ID: T-0394 VEN CB INLET R2 ACETONE PROBE RINSE

Lab Sample ID: 140-27976-8

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | 3.25 | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:37 | 1 |

Client Sample ID: T-0342,T-0343 VEN CB INLET R2 FH COMPOSITE

Lab Sample ID: 140-27976-9

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 286 | | 24.7 | 23.2 | ug/Sample | | 07/08/22 08:38 | 07/11/22 17:35 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 88 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/08/22 08:38 | 07/11/22 17:35 | 1 |

Client Sample ID: T-0344, T-0345, T-0347 VEN CB INLET R2 BH COMPOSITE

Lab Sample ID: 140-27976-10

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 366 | | 100 | 55.0 | ug/Sample | | 07/02/22 06:10 | 07/10/22 04:57 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 106 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 06:10 | 07/10/22 04:57 | 1 |

Eurofins Knoxville

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0346 VEN CB INLET R2 CONDENSATE

Lab Sample ID: 140-27976-11

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|-------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 31.5 | | 0.362 | 0.145 | ug/Sample | | 07/02/22 08:09 | 07/03/22 10:35 | 5 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C3 HFPO-DA | 90 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 08:09 | 07/03/22 10:35 | 5 |

Client Sample ID: T-0348 VEN CB INLET R2 BREAKTHROUGH

Lab Sample ID: 140-27976-12

XAD-2

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|-------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 0.766 | | 0.200 | 0.110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:14 | 10 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C3 HFPO-DA | 115 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 06:10 | 07/10/22 05:14 | 10 |

Client Sample ID: T-0348 VEN CB INLET R3 TARED FILTER

Lab Sample ID: 140-27976-13

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | ND | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:33 | 1 |

Client Sample ID: T-0395 VEN CB INLET R3 ACETONE

Lab Sample ID: 140-27976-14

PROBE RINSE

Matrix: Air

Date Collected: 06/30/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | 2.55 | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:37 | 1 |

Client Sample ID: T-0350,T-0351 VEN CB INLET R3 FH

Lab Sample ID: 140-27976-15

COMPOSITE

Matrix: Air

Date Collected: 06/30/22 00:00

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 237 | | 25.0 | 23.5 | ug/Sample | | 07/08/22 08:38 | 07/11/22 17:45 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C3 HFPO-DA | 93 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/08/22 08:38 | 07/11/22 17:45 | 1 |

Eurofins Knoxville

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0351, T-0352, T-0354 VEN CB INLET R3

Lab Sample ID: 140-27976-16

BH COMPOSITE

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 439 | | 100 | 55.0 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:23 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 106 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 05:23 | 1 |

Client Sample ID: T-0353 VEN CB INLET R3 CONDENSATE

Lab Sample ID: 140-27976-17

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|-------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 111 | | 1.53 | 0.610 | ug/Sample | | 07/02/22 08:09 | 07/03/22 10:44 | 20 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 109 | | 25 - 150 | | | | 07/02/22 08:09 | 07/03/22 10:44 | 20 |

Client Sample ID: T-0355 VEN CB INLET R3 BREAKTHROUGH

Lab Sample ID: 140-27976-18

XAD-2

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 467 | | 100 | 55.0 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:32 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 129 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 05:32 | 1 |

Default Detection Limits

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Prep: None

| Analyte | RL | MDL | Units |
|---------|---------|---------|-----------|
| HFPO-DA | 0.0200 | 0.0110 | ug/Sample |
| HFPO-DA | 0.00500 | 0.00470 | ug/Sample |

Method: 537 (modified) - Fluorinated Alkyl Substances

Prep: PFAS Prep

| Analyte | RL | MDL | Units |
|---------|----------|----------|-----------|
| HFPO-DA | 0.000500 | 0.000200 | ug/Sample |

General Chemistry

| Analyte | RL | MDL | Units |
|---------------------|-------|-------|-----------|
| Particulates, Total | 0.500 | 0.500 | mg/sample |

Isotope Dilution Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Air

Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | |
|--------------------|---|---|--|
| Lab Sample ID | Client Sample ID | HFPODA (25-150) | |
| 140-27976-3 | T-0335,T-0336 VEN CB INLET F | 104 | |
| 140-27976-4 | T-0337, T-0338, T-0340 VEN CB INTLET R1 BH COMPOSITE | 104 | |
| 140-27976-5 | T-0339 VEN CB INTLET R1 CONDENSATE | 77 | |
| 140-27976-6 | T-0341 VEN CB INLET R1 BREAKTHROUGH XAD-2 | 104 | |
| 140-27976-9 | T-0342,T-0343 VEN CB INLET R2 FH COMPOSITE | 88 | |
| 140-27976-10 | T-0344, T-0345, T-0347 VEN CB INLET R2 BH COMPOSITE | 106 | |
| 140-27976-11 | T-0346 VEN CB INLET R2 CONDENSATE | 90 | |
| 140-27976-12 | T-0348 VEN CB INLET R2 BREAKTHROUGH XAD-2 | 115 | |
| 140-27976-15 | T-0350,T-0351 VEN CB INLET R3 FH COMPOSITE | 93 | |
| 140-27976-16 | T-0351, T-0352, T-0354 VEN CB INLET R3 BH COMPOSITE | 106 | |
| 140-27976-17 | T-0353 VEN CB INLET R3 CONDENSATE | 109 | |
| 140-27976-18 | T-0355 VEN CB INLET R3 BREAKTHROUGH XAD-2 | 129 | |
| LCS 140-63110/2-B | Lab Control Sample | 95 | |
| LCS 140-63111/2-A | Lab Control Sample | 91 | |
| LCS 140-63237/2-B | Lab Control Sample | 67 | |
| LCSD 140-63110/3-B | Lab Control Sample Dup | 97 | |
| LCSD 140-63111/3-A | Lab Control Sample Dup | 88 | |
| LCSD 140-63237/3-B | Lab Control Sample Dup | 82 | |
| MB 140-63110/14-B | Method Blank | 101 | |
| MB 140-63110/1-B | Method Blank | 86 | |
| MB 140-63111/1-A | Method Blank | 93 | |
| MB 140-63237/1-B | Method Blank | 72 | |

Surrogate Legend

HFPODA = 13C3 HFPO-DA

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 140-63110/14-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|-----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:06 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | MB Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 101 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 05:06 | 1 |

Lab Sample ID: MB 140-63110/1-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|-----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 21:08 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | MB Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 86 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 21:08 | 1 |

Lab Sample ID: LCS 140-63110/2-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------|-------------|---------------|---------------|-----------|---|------|-------------|
| HFPO-DA | 0.0200 | 0.02132 | | ug/Sample | | 107 | 60 - 140 |
| Isotope Dilution | %Recovery | LCS Qualifier | LCS Limits | | | | |
| 13C3 HFPO-DA | 95 | | 25 - 150 | | | | |

Lab Sample ID: LCSD 140-63110/3-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------|-------------|----------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0200 | 0.02348 | | ug/Sample | | 117 | 60 - 140 | 10 | 30 |
| Isotope Dilution | %Recovery | LCSD Qualifier | LCSD Limits | | | | | | |
| 13C3 HFPO-DA | 97 | | 25 - 150 | | | | | | |

Lab Sample ID: MB 140-63111/1-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|-----------|----------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.000500 | 0.000200 | ug/Sample | | 07/02/22 08:09 | 07/02/22 19:25 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | MB Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 93 | | 25 - 150 | | | | 07/02/22 08:09 | 07/02/22 19:25 | 1 |

Eurofins Knoxville

QC Sample Results

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 140-63111/2-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|-------------|------------------|------------------|-----------|---|------|---------------|
| HFPO-DA | 0.0100 | 0.01091 | | ug/Sample | | 109 | 60 - 140 |
| <i>Isotope Dilution</i> | | <i>%Recovery</i> | <i>Qualifier</i> | | | | <i>Limits</i> |
| 13C3 HFPO-DA | | 91 | | | | | 25 - 150 |

Lab Sample ID: LCSD 140-63111/3-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|-------------|------------------|------------------|-----------|---|------|---------------|-----|-----------|
| HFPO-DA | 0.0100 | 0.01074 | | ug/Sample | | 107 | 60 - 140 | 2 | 30 |
| <i>Isotope Dilution</i> | | <i>%Recovery</i> | <i>Qualifier</i> | | | | <i>Limits</i> | | |
| 13C3 HFPO-DA | | 88 | | | | | 25 - 150 | | |

Lab Sample ID: MB 140-63237/1-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63237

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|---------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | ND | | 0.00500 | 0.00470 | ug/Sample | | 07/08/22 08:38 | 07/10/22 19:20 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 72 | | 25 - 150 | | | | 07/08/22 08:38 | 07/10/22 19:20 | 1 |

Lab Sample ID: LCS 140-63237/2-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63237

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|-------------|------------------|------------------|-----------|---|------|---------------|
| HFPO-DA | 0.0200 | 0.02415 | | ug/Sample | | 121 | 60 - 140 |
| <i>Isotope Dilution</i> | | <i>%Recovery</i> | <i>Qualifier</i> | | | | <i>Limits</i> |
| 13C3 HFPO-DA | | 67 | | | | | 25 - 150 |

Lab Sample ID: LCSD 140-63237/3-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63237

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|-------------|------------------|------------------|-----------|---|------|---------------|-----|-----------|
| HFPO-DA | 0.0200 | 0.02540 | | ug/Sample | | 127 | 60 - 140 | 5 | 30 |
| <i>Isotope Dilution</i> | | <i>%Recovery</i> | <i>Qualifier</i> | | | | <i>Limits</i> | | |
| 13C3 HFPO-DA | | 82 | | | | | 25 - 150 | | |

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

LCMS

Prep Batch: 63110

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---|-----------|--------|--------|------------|
| 140-27976-4 | T-0337, T-0338, T-0340 VEN CB INTLET R1 BH | Total/NA | Air | None | |
| 140-27976-6 | T-0341 VEN CB INLET R1 BREAKTHROUGH X/ | Total/NA | Air | None | |
| 140-27976-10 | T-0344, T-0345, T-0347 VEN CB INLET R2 BH C | Total/NA | Air | None | |
| 140-27976-12 | T-0348 VEN CB INLET R2 BREAKTHROUGH X/ | Total/NA | Air | None | |
| 140-27976-16 | T-0351, T-0352, T-0354 VEN CB INLET R3 BH C | Total/NA | Air | None | |
| 140-27976-18 | T-0355 VEN CB INLET R3 BREAKTHROUGH X/ | Total/NA | Air | None | |
| MB 140-63110/14-B | Method Blank | Total/NA | Air | None | |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | None | |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | None | |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | None | |

Prep Batch: 63111

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|-----------|------------|
| 140-27976-5 | T-0339 VEN CB INTLET R1 CONDENSATE | Total/NA | Air | PFAS Prep | |
| 140-27976-11 | T-0346 VEN CB INLET R2 CONDENSATE | Total/NA | Air | PFAS Prep | |
| 140-27976-17 | T-0353 VEN CB INLET R3 CONDENSATE | Total/NA | Air | PFAS Prep | |
| MB 140-63111/1-A | Method Blank | Total/NA | Air | PFAS Prep | |
| LCS 140-63111/2-A | Lab Control Sample | Total/NA | Air | PFAS Prep | |
| LCSD 140-63111/3-A | Lab Control Sample Dup | Total/NA | Air | PFAS Prep | |

Analysis Batch: 63113

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|----------------|------------|
| 140-27976-5 | T-0339 VEN CB INTLET R1 CONDENSATE | Total/NA | Air | 537 (modified) | 63114 |
| 140-27976-11 | T-0346 VEN CB INLET R2 CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| 140-27976-17 | T-0353 VEN CB INLET R3 CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| MB 140-63111/1-A | Method Blank | Total/NA | Air | 537 (modified) | 63111 |
| LCS 140-63111/2-A | Lab Control Sample | Total/NA | Air | 537 (modified) | 63111 |
| LCSD 140-63111/3-A | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63111 |

Cleanup Batch: 63114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------------------------|-----------|--------|----------|------------|
| 140-27976-5 | T-0339 VEN CB INTLET R1 CONDENSATE | Total/NA | Air | Dilution | 63111 |

Cleanup Batch: 63161

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---|-----------|--------|--------|------------|
| 140-27976-4 | T-0337, T-0338, T-0340 VEN CB INTLET R1 BH | Total/NA | Air | Split | 63110 |
| 140-27976-6 | T-0341 VEN CB INLET R1 BREAKTHROUGH X/ | Total/NA | Air | Split | 63110 |
| 140-27976-10 | T-0344, T-0345, T-0347 VEN CB INLET R2 BH C | Total/NA | Air | Split | 63110 |
| 140-27976-12 | T-0348 VEN CB INLET R2 BREAKTHROUGH X/ | Total/NA | Air | Split | 63110 |
| 140-27976-16 | T-0351, T-0352, T-0354 VEN CB INLET R3 BH C | Total/NA | Air | Split | 63110 |
| 140-27976-18 | T-0355 VEN CB INLET R3 BREAKTHROUGH X/ | Total/NA | Air | Split | 63110 |
| MB 140-63110/14-B | Method Blank | Total/NA | Air | Split | 63110 |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | Split | 63110 |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | Split | 63110 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | Split | 63110 |

Prep Batch: 63237

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---|-----------|--------|--------|------------|
| 140-27976-3 | T-0335, T-0336 VEN CB INLET R1 FH COMPOSI | Total/NA | Air | None | |
| 140-27976-9 | T-0342, T-0343 VEN CB INLET R2 FH COMPOSI | Total/NA | Air | None | |
| 140-27976-15 | T-0350, T-0351 VEN CB INLET R3 FH COMPOSI | Total/NA | Air | None | |

Eurofins Knoxville

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

LCMS (Continued)

Prep Batch: 63237 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| MB 140-63237/1-B | Method Blank | Total/NA | Air | None | |
| LCS 140-63237/2-B | Lab Control Sample | Total/NA | Air | None | |
| LCSD 140-63237/3-B | Lab Control Sample Dup | Total/NA | Air | None | |

Cleanup Batch: 63266

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 140-27976-3 | T-0335,T-0336 VEN CB INLET R1 FH COMPOSI | Total/NA | Air | Split | 63237 |
| 140-27976-9 | T-0342,T-0343 VEN CB INLET R2 FH COMPOSI | Total/NA | Air | Split | 63237 |
| 140-27976-15 | T-0350,T-0351 VEN CB INLET R3 FH COMPOSI | Total/NA | Air | Split | 63237 |
| MB 140-63237/1-B | Method Blank | Total/NA | Air | Split | 63237 |
| LCS 140-63237/2-B | Lab Control Sample | Total/NA | Air | Split | 63237 |
| LCSD 140-63237/3-B | Lab Control Sample Dup | Total/NA | Air | Split | 63237 |

Cleanup Batch: 63272

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---|-----------|--------|----------|------------|
| 140-27976-4 | T-0337, T-0338, T-0340 VEN CB INTLET R1 BH | Total/NA | Air | Dilution | 63161 |
| 140-27976-10 | T-0344, T-0345, T-0347 VEN CB INLET R2 BH C | Total/NA | Air | Dilution | 63161 |
| 140-27976-16 | T-0351, T-0352, T-0354 VEN CB INLET R3 BH C | Total/NA | Air | Dilution | 63161 |
| 140-27976-18 | T-0355 VEN CB INLET R3 BREAKTHROUGH X/ | Total/NA | Air | Dilution | 63161 |

Analysis Batch: 63274

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---|-----------|--------|----------------|------------|
| 140-27976-4 | T-0337, T-0338, T-0340 VEN CB INTLET R1 BH | Total/NA | Air | 537 (modified) | 63272 |
| 140-27976-10 | T-0344, T-0345, T-0347 VEN CB INLET R2 BH C | Total/NA | Air | 537 (modified) | 63272 |
| 140-27976-12 | T-0348 VEN CB INLET R2 BREAKTHROUGH X/ | Total/NA | Air | 537 (modified) | 63161 |
| 140-27976-16 | T-0351, T-0352, T-0354 VEN CB INLET R3 BH C | Total/NA | Air | 537 (modified) | 63272 |
| 140-27976-18 | T-0355 VEN CB INLET R3 BREAKTHROUGH X/ | Total/NA | Air | 537 (modified) | 63272 |
| MB 140-63110/14-B | Method Blank | Total/NA | Air | 537 (modified) | 63161 |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | 537 (modified) | 63161 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63161 |

Analysis Batch: 63276

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|----------------|------------|
| 140-27976-6 | T-0341 VEN CB INLET R1 BREAKTHROUGH X/ | Total/NA | Air | 537 (modified) | 63161 |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | 537 (modified) | 63161 |
| MB 140-63237/1-B | Method Blank | Total/NA | Air | 537 (modified) | 63266 |
| LCS 140-63237/2-B | Lab Control Sample | Total/NA | Air | 537 (modified) | 63266 |
| LCSD 140-63237/3-B | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63266 |

Cleanup Batch: 63311

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|----------|------------|
| 140-27976-3 | T-0335,T-0336 VEN CB INLET R1 FH COMPOSI | Total/NA | Air | Dilution | 63266 |
| 140-27976-9 | T-0342,T-0343 VEN CB INLET R2 FH COMPOSI | Total/NA | Air | Dilution | 63266 |
| 140-27976-15 | T-0350,T-0351 VEN CB INLET R3 FH COMPOSI | Total/NA | Air | Dilution | 63266 |

Analysis Batch: 63313

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|----------------|------------|
| 140-27976-3 | T-0335,T-0336 VEN CB INLET R1 FH COMPOSI | Total/NA | Air | 537 (modified) | 63311 |
| 140-27976-9 | T-0342,T-0343 VEN CB INLET R2 FH COMPOSI | Total/NA | Air | 537 (modified) | 63311 |
| 140-27976-15 | T-0350,T-0351 VEN CB INLET R3 FH COMPOSI | Total/NA | Air | 537 (modified) | 63311 |

Eurofins Knoxville

QC Association Summary

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

General Chemistry

Analysis Batch: 63261

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--|-----------|--------|--------|------------|
| 140-27976-1 | T-0335 VEN CB INLET R1 TARED FILTER | Total/NA | Air | 5 | |
| 140-27976-2 | T-0393 VEN CB INLET R1 ACETONE PROBE R | Total/NA | Air | 5 | |
| 140-27976-7 | T-0342 VEN CB INTLET R2 TARED FILTER | Total/NA | Air | 5 | |
| 140-27976-8 | T-0394 VEN CB INLET R2 ACETONE PROBE R | Total/NA | Air | 5 | |
| 140-27976-13 | T-0348 VEN CB INLET R3 TARED FILTER | Total/NA | Air | 5 | |
| 140-27976-14 | T-0395 VEN CB INLET R3 ACETONE PROBE R | Total/NA | Air | 5 | |

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Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0335 VEN CB INLET R1 TARED FILTER

Lab Sample ID: 140-27976-1

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:33 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: T-0393 VEN CB INLET R1 ACETONE PROBE RINSE

Lab Sample ID: 140-27976-2

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:37 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: T-0335,T-0336 VEN CB INLET R1 FH COMPOSITE

Lab Sample ID: 140-27976-3

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 85 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 43 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 2 uL | 10000 uL | 63311 | 07/11/22 15:06 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63313 | 07/11/22 17:26 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0337, T-0338, T-0340 VEN CB INTLET R1 BH COMPOSITE

Lab Sample ID: 140-27976-4

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 0.04 uL | 10000 uL | 63272 | 07/09/22 16:02 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 04:22 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0339 VEN CB INTLET R1 CONDENSATE

Lab Sample ID: 140-27976-5

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|------------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 0.0064516 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 25 uL | 10000 uL | 63114 | 07/03/22 09:10 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/03/22 11:14 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0341 VEN CB INLET R1 BREAKTHROUGH XAD-2

Lab Sample ID: 140-27976-6

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 21:26 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0342 VEN CB INTLET R2 TARED FILTER

Lab Sample ID: 140-27976-7

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:33 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: T-0394 VEN CB INLET R2 ACETONE PROBE RINSE

Lab Sample ID: 140-27976-8

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:37 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: T-0342,T-0343 VEN CB INLET R2 FH COMPOSITE

Lab Sample ID: 140-27976-9

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 75 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 38 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 2 uL | 10000 uL | 63311 | 07/11/22 15:06 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63313 | 07/11/22 17:35 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0344, T-0345, T-0347 VEN CB INLET R2 BH COMPOSITE

Lab Sample ID: 140-27976-10

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 2 uL | 10000 uL | 63272 | 07/09/22 16:02 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 04:57 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: T-0346 VEN CB INLET R2 CONDENSATE

Lab Sample ID: 140-27976-11

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------------------------------|-----|------------|------------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 0.0068966 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) Instrument ID: LCA | | 5 | | | 63113 | 07/03/22 10:35 | JRC | TAL KNX |

Client Sample ID: T-0348 VEN CB INLET R2 BREAKTHROUGH

Lab Sample ID: 140-27976-12

XAD-2

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) Instrument ID: LCA | | 10 | | | 63274 | 07/10/22 05:14 | JRC | TAL KNX |

Client Sample ID: T-0348 VEN CB INLET R3 TARED FILTER

Lab Sample ID: 140-27976-13

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 Instrument ID: NOEQUIP | | 1 | | | 63261 | 07/08/22 16:33 | JXP | TAL KNX |

Client Sample ID: T-0395 VEN CB INLET R3 ACETONE PROBE RINSE

Lab Sample ID: 140-27976-14

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 Instrument ID: NOEQUIP | | 1 | | | 63261 | 07/08/22 16:37 | JXP | TAL KNX |

Client Sample ID: T-0350,T-0351 VEN CB INLET R3 FH COMPOSITE

Lab Sample ID: 140-27976-15

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 66 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 33 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 2 uL | 10000 uL | 63311 | 07/11/22 15:06 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) Instrument ID: LCA | | 1 | | | 63313 | 07/11/22 17:45 | JRC | TAL KNX |

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

**Client Sample ID: T-0351, T-0352, T-0354 VEN CB INLET R3
 BH COMPOSITE**

Lab Sample ID: 140-27976-16

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 2 uL | 10000 uL | 63272 | 07/09/22 16:02 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:23 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0353 VEN CB INLET R3 CONDENSATE

Lab Sample ID: 140-27976-17

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|-----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 0.006557 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 20 | | | 63113 | 07/03/22 10:44 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

**Client Sample ID: T-0355 VEN CB INLET R3 BREAKTHROUGH
 XAD-2**

Lab Sample ID: 140-27976-18

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 2 uL | 10000 uL | 63272 | 07/09/22 16:02 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:32 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63110/14-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:06 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63110/1-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 21:08 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63111/1-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:25 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63237/1-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 19:20 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63110/2-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 02:42 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63111/2-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:34 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63237/2-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 19:29 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63110/3-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 03:09 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63111/3-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:43 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63237/3-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 19:39 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Laboratory References:

TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

Laboratory: Eurofins Knoxville

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

| Authority | Program | Identification Number | Expiration Date |
|------------------------|-----------------------|-----------------------|-----------------|
| | AFCEE | N/A | |
| ANAB | Dept. of Defense ELAP | L2311 | 02-13-25 |
| ANAB | Dept. of Energy | L2311.01 | 02-13-25 |
| ANAB | ISO/IEC 17025 | L2311 | 02-13-25 |
| Arkansas DEQ | State | 88-0688 | 06-17-22 * |
| California | State | 2423 | 06-30-22 * |
| Colorado | State | TN00009 | 02-28-23 |
| Connecticut | State | PH-0223 | 09-30-23 |
| Florida | NELAP | E87177 | 06-30-23 |
| Georgia (DW) | State | 906 | 12-11-22 |
| Hawaii | State | NA | 12-11-22 |
| Kansas | NELAP | E-10349 | 10-31-22 |
| Kentucky (DW) | State | 90101 | 12-31-22 |
| Louisiana | NELAP | 83979 | 06-30-23 |
| Louisiana (All) | NELAP | 83979 | 06-30-23 |
| Louisiana (DW) | State | LA019 | 12-31-22 |
| Maryland | State | 277 | 03-31-23 |
| Michigan | State | 9933 | 12-11-22 |
| Nevada | State | TN00009 | 07-31-22 |
| New Hampshire | NELAP | 299919 | 01-17-23 |
| New Jersey | NELAP | TN001 | 06-30-23 |
| New York | NELAP | 10781 | 03-31-23 |
| North Carolina (DW) | State | 21705 | 07-31-22 |
| North Carolina (WW/SW) | State | 64 | 12-31-22 |
| Ohio VAP | State | CL0059 | 06-02-23 |
| Oklahoma | State | 9415 | 08-31-22 |
| Oregon | NELAP | TNI0189 | 12-31-22 |
| Pennsylvania | NELAP | 68-00576 | 12-31-22 |
| Tennessee | State | 02014 | 12-11-22 |
| Texas | NELAP | T104704380-18-12 | 08-31-22 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-22 |
| USDA | US Federal Programs | P330-19-00236 | 08-20-22 |
| Utah | NELAP | TN00009 | 07-31-22 |
| Virginia | NELAP | 460176 | 09-14-22 |
| Washington | State | C593 | 01-19-23 |
| West Virginia (DW) | State | 9955C | 12-31-22 |
| West Virginia DEP | State | 345 | 04-30-23 |
| Wisconsin | State | 998044300 | 08-31-22 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

| Method | Method Description | Protocol | Laboratory |
|----------------|--|----------|------------|
| 537 (modified) | Fluorinated Alkyl Substances | EPA | TAL KNX |
| 5 | Particulates | EPA | TAL KNX |
| Dilution | Dilution and Re-fortification of Standards | None | TAL KNX |
| None | Leaching Procedure | TAL SOP | TAL KNX |
| None | Leaching Procedure for Filter | TAL SOP | TAL KNX |
| PFAS Prep | Preparation, Direct Inject PFAS | TAL-SAC | TAL KNX |
| Split | Source Air Split | None | TAL KNX |

Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure
- TAL-SAC = Eurofins Sacramento, Facility Standard Operating Procedure.

Laboratory References:

- TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000



Sample Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB INLET Q2

Job ID: 140-27976-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--|--------|----------------|----------------|
| 140-27976-1 | T-0335 VEN CB INLET R1 TARED FILTER | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-2 | T-0393 VEN CB INLET R1 ACETONE PROBE RINSE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-3 | T-0335,T-0336 VEN CB INLET R1 FH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-4 | T-0337, T-0338, T-0340 VEN CB INTLET R1 BH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-5 | T-0339 VEN CB INTLET R1 CONDENSATE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-6 | T-0341 VEN CB INLET R1 BREAKTHROUGH XAD-2 | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-7 | T-0342 VEN CB INTLET R2 TARED FILTER | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-8 | T-0394 VEN CB INLET R2 ACETONE PROBE RINSE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-9 | T-0342,T-0343 VEN CB INLET R2 FH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-10 | T-0344, T-0345, T-0347 VEN CB INLET R2 BH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-11 | T-0346 VEN CB INLET R2 CONDENSATE | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-12 | T-0348 VEN CB INLET R2 BREAKTHROUGH XAD-2 | Air | 06/29/22 00:00 | 07/01/22 14:20 |
| 140-27976-13 | T-0348 VEN CB INLET R3 TARED FILTER | Air | 06/30/22 00:00 | 07/01/22 14:20 |
| 140-27976-14 | T-0395 VEN CB INLET R3 ACETONE PROBE RINSE | Air | 06/30/22 00:00 | 07/01/22 14:20 |
| 140-27976-15 | T-0350,T-0351 VEN CB INLET R3 FH COMPOSITE | Air | 06/30/22 00:00 | 07/01/22 14:20 |
| 140-27976-16 | T-0351, T-0352, T-0354 VEN CB INLET R3 BH COMPOSITE | Air | 06/30/22 00:00 | 07/01/22 14:20 |
| 140-27976-17 | T-0353 VEN CB INLET R3 CONDENSATE | Air | 06/30/22 00:00 | 07/01/22 14:20 |
| 140-27976-18 | T-0355 VEN CB INLET R3 BREAKTHROUGH XAD-2 | Air | 06/30/22 00:00 | 07/01/22 14:20 |

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| | |
|--|------------------------------------|
| Project Identification: Chemours Emissions Test | |
| Client Name: | Chemours Company |
| Client Contact: | Christel Compton (910) 678-1213 |
| TestAmerica Contact: | Courtney Adkins (865) 291-3019 |
| TestAmerica Project Manager: | Billy Anderson (865) 291-3080 |

| | |
|---|--------------------------|
| Laboratory Deliverable Turnaround Requirements: | |
| Analytical Due Date: (Review-Released Data) | 21 Days from Lab Receipt |
| Data Package Due Date: | 28 Days from Lab Receipt |
| Laboratory Destination: TestAmerica Laboratories, Inc. 5815 Middlebrook Pike Knoxville, TN 37921 | |
| Lab Phone Number: | 865.291.3000 |
| Courier: | Hand Deliver |

Analytical Testing QC Requirements:
 The Legend for Project-Specific Quality Control Testing is designated in the "QC" column as follows: "BT" = Blank Train, "RB" = Reagent Blank, "MS" = Matrix Spike, "MSD" = Matrix Spike Duplicate, "DUP" = Duplicate, "PB" = Proof Blank, "TB" = Trip Blank

Project Deliverables:
 Report analytical results on TALS Reports and in data packages. Include "Field Sample Number", "Sample Type", and "Run Number" on all TALS Reports.

| | | |
|------------------------------|--|-----------------------------------|
| Analytical Parameter: | Holding Time Requirements: | Preservation Requirements: |
| HFPO-DA (CAS No. 13252-13-6) | 28 Days to Extraction; 28 Days to Analysis | Cool, 4°C |

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|---------------------------|--|--|
| T-0335 VEN CB INLET R1 OTM-45 Tared Particulate Filter (Combine with T-0336) | 1 | 6/29/22 | | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0393 VEN CB INLET R1 OTM-45 Acetone Probe Rinse | 1 | 6/29/22 | | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |



140-27976 Chain of Custody

Request for Analysis/Chain-of-Custody – RFA/COC #001
The Chemours Company – Fayetteville NC
VEN Carbon Bed Inlet



Environment Testing
 TestAmerica

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|---|--|
| T-0336 VEN CB INLET R1 OTM-45 FH of Filter Holder & Probe Methanol Rinse (Combine with T-0335) | 1 | 6/29/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0337 VEN CB INLET R1 OTM-45 XAD-2 Resin Tube | 1 | 6/29/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using method 8321A-HFPO. |
| T-0338 VEN CB INLET R1 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0337) | 1 | 6/29/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. |
| T-0339 VEN CB INLET R1 OTM-45 Impingers 1,2 & 3 Condensate | 1 | 6/29/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |
| T-0340 VEN CB INLET R1 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0337) | 1 | 6/29/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0341 VEN CB INLET R1 OTM-45 Breakthrough XAD-2 Resin Tube | 1 | 6/29/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using method 8321A-HFPO. |

Request for Analysis/Chain-of-Custody – RFA/COC #001
The Chemours Company – Fayetteville NC
VEN Carbon Bed Inlet



Environment Testing
 TestAmerica

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|---|--|
| T-0336 VEN CB INLET R1 OTM-45 FH of Filter Holder & Probe Methanol Rinse (Combine with T-0335) | 1 | 6/29/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0337 VEN CB INLET R1 OTM-45 XAD-2 Resin Tube | 1 | 6/29/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using method 8321A-HFPO. |
| T-0338 VEN CB INLET R1 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0337) | 1 | 6/29/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. |
| T-0339 VEN CB INLET R1 OTM-45 Impingers 1,2 & 3 Condensate | 1 | 6/29/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |
| T-0340 VEN CB INLET R1 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0337) | 1 | 6/29/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0341 VEN CB INLET R1 OTM-45 Breakthrough XAD-2 Resin Tube | 1 | 6/29/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using method 8321A-HFPO. |

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0342 VEN CB INLET R2 OTM-45 Particulate Filter (Combine with T-0343) | 2 | 6/30/22 | | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0394 VEN CB INLET R2 OTM-45 Acetone Probe Rinse | 2 | 6/30/22 | | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |
| T-0343 VEN CB INLET R2 OTM-45 Front Half of Filter Holder & Probe Methanol Rinse (Combine with T-0342) | 2 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0344 VEN CB INLET R2 OTM-45 XAD-2 Resin Tube | 2 | 6/30/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using method 8321A-HFPO. Analyze. |
| T-0345 VEN CB INLET R2 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0344) | 2 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. |

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0346 VEN CB INLET R2 OTM-45 Impingers 1,2 & 3 Condensate | 2 | 6/30/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |
| T-0347 VEN CB INLET R2 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0344) | 2 | 6/30/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0348 VEN CB INLET R2 OTM-45 Breakthrough XAD-2 Resin Tube | 2 | 6/30/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using method 8321A-HFPO. |
| T-0349 VEN CB INLET R3 OTM-45 Particulate Filter (Combine with T-0350) | 3 | 6/30/22 | | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0395 VEN CB INLET R3 OTM-45 Acetone Probe Rinse | 3 | 6/30/22 | | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|---|--|
| T-0350 VEN CB INLET R3 OTM-45 Front Half of Filter Holder & Probe Methanol Rinse (Combine with T-0349) | 3 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0351 VEN CB INLET R3 OTM-45 XAD-2 Resin Tube | 3 | 6/30/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using method 8321A-HFPO. |
| T-0352 VEN CB INLET R3 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0351) | 3 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. Analyze for HFPO-DA using method 8321A-HFPO. |
| T-0353 VEN CB INLET R3 OTM-45 Impingers 1,2 & 3 Condensate | 3 | 6/30/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |
| T-0354 VEN CB INLET R3 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0351) | 3 | 6/30/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0355 VEN CB INLET R3 OTM-45 Breakthrough XAD-2 Resin Tube | 3 | 6/30/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using method 8321A-HFPO. |

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Sample Receipt Log and Condition of the Samples Upon Receipt:

Please fill in the following information:

Comments

(Please write "NONE" if no comment applicable)

(1) Record the identities of any samples that were listed on the RFA but were not found in the sample shipment.

N/A

(2) Record the sample shipping cooler temperature of all coolers transporting samples listed on this RFA:

~~N/A~~ CBA 7/1/22
 1.6°C rt / 1.7°C ct

(3) Record any apparent sample loss/breakage.

N/A

(4) Record any unidentified samples transported with this shipment of samples:

N/A

(5) Indicate if all samples were received according to the project's required specifications (i.e. no nonconformances):

Y

Custody Transfer:

Relinquished By:

Robert Brady
 Name

Alliance
 Company

6/30/22 / 2000
 Date/Time

Accepted By:

Wm. C. Anderson
 Name

Eurofins
 Company

6/30/22 / 2000
 Date/Time

Relinquished By:

Wm. C. Anderson
 Name

Eurofins
 Company

7/1/22 / 1400
 Date/Time

Accepted By:

A. Adams
 Name

ETA Inc
 Company

7/1/22 14:00
 Date/Time

Relinquished By:

Name

Company

Date/Time

Accepted By:

Name

Company

Date/Time

Relinquished By:

Name

Company

Date/Time

Accepted By:


Name

Company

Date/Time

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

| Review Items | Yes | No | NA | If No, what was the problem? | Comments/Actions Taken |
|--|-----|----|----|--|------------------------|
| 1. Are the shipping containers intact? | ✓ | | NA | | |
| 2. Were ambient air containers received intact? | | | ✓ | <input type="checkbox"/> Containers, Broken | |
| 3. The coolers/containers custody seal if present, is it intact? | | | ✓ | <input type="checkbox"/> Checked in lab <input type="checkbox"/> Yes <input type="checkbox"/> NA | |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C) Thermometer ID: <u>SCY</u> Correction factor: <u>40.1</u> | ✓ | | | <input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt | |
| 5. Were all of the sample containers received intact? | ✓ | | | <input type="checkbox"/> Containers, Broken | |
| 6. Were samples received in appropriate containers? | ✓ | | | <input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel | |
| 7. Do sample container labels match COC? (IDs, Dates, Times) | ✓ | | | <input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received | |
| 8. Were all of the samples listed on the COC received? | ✓ | | | <input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received <input type="checkbox"/> COC; No Date/Time; Client Contacted | |
| 9. Is the date/time of sample collection noted? | ✓ | | | <input type="checkbox"/> Sampler Not Listed on COC | |
| 10. Was the sampler identified on the COC? | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 11. Is the client and project name/# identified? | ✓ | | | <input type="checkbox"/> COC No tests on COC | |
| 12. Are tests/parameters listed for each sample? | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 13. Is the matrix of the samples noted? | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 14. Was COC relinquished? (Signed/Dated/Timed) | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 15. Were samples received within holding time? | ✓ | | | <input type="checkbox"/> Holding Time - Receipt | |
| 16. Were samples received with correct chemical preservative (excluding Encore)? | | | ✓ | <input type="checkbox"/> pH Adjusted, pH Included (See box 16A) | |
| 17. Were VOA samples received without headspace? | | | ✓ | <input type="checkbox"/> Incorrect Preservative | |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: | | | ✓ | <input type="checkbox"/> Headspace (VOA only) <input type="checkbox"/> Residual Chlorine | |
| 19. For 1613B water samples is pH<9? | | | ✓ | <input type="checkbox"/> If no, notify lab to adjust | |
| 20. For rad samples was sample activity info. Provided? | | | ✓ | <input type="checkbox"/> Project missing info | |
| Project #: _____ PM Instructions: _____ | | | | | |
| Sample Receiving Associate:  | | | | | |
| Date: <u>7/1/22</u> | | | | | |

| | |
|--------------------------|----------------------------|
| Box 16A: pH Preservation | Box 18A: Residual Chlorine |
| Preservative: _____ | |
| Lot Number: _____ | |
| Exp Date: _____ | |
| Analyst: _____ | Loc: 140 |
| Date: _____ | Time: 27976 |

QA026R32.doc, 062719



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 140-27976-1

Login Number: 27976

List Source: Eurofins Knoxville

List Number: 1

Creator: Adkins, Courtney M

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | | |
| The cooler's custody seal, if present, is intact. | | |
| Sample custody seals, if present, are intact. | | |
| The cooler or samples do not appear to have been compromised or tampered with. | | |
| Samples were received on ice. | | |
| Cooler Temperature is acceptable. | | |
| Cooler Temperature is recorded. | | |
| COC is present. | | |
| COC is filled out in ink and legible. | | |
| COC is filled out with all pertinent information. | | |
| Is the Field Sampler's name present on COC? | | |
| There are no discrepancies between the containers received and the COC. | | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | | |
| Sample containers have legible labels. | | |
| Containers are not broken or leaking. | | |
| Sample collection date/times are provided. | | |
| Appropriate sample containers are used. | | |
| Sample bottles are completely filled. | | |
| Sample Preservation Verified. | | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | | |
| Multiphasic samples are not present. | | |
| Samples do not require splitting or compositing. | | |
| Residual Chlorine Checked. | | |

ANALYTICAL REPORT

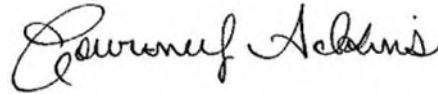
Eurofins Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-27968-1
Client Project/Site: VEN CB OUTLET Q2

For:

The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Michael Aucoin



Authorized for release by:
7/13/2022 2:58:22 PM

Courtney Adkins, Project Manager II
(865)291-3019
Courtney.Adkins@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

| | |
|------------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 6 |
| Default Detection Limits | 10 |
| Isotope Dilution Summary | 11 |
| QC Sample Results | 12 |
| QC Association Summary | 14 |
| Lab Chronicle | 16 |
| Certification Summary | 22 |
| Method Summary | 23 |
| Sample Summary | 24 |
| Chain of Custody | 25 |
| Receipt Checklists | 33 |

Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Qualifiers

LCMS

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Job ID: 140-27968-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative 140-27968-1

Receipt

The samples were received on 7/1/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9° C.

LCMS

Methods 537 (modified), Dilution: LC/MS/MS Sampling Train Preparation and Analysis: The sampling train components are extracted and analyzed for Per- and Polyfluorinated Alkyl Substances (PFAS) using Eurofins TestAmerica Knoxville standard operating procedures KNOX-OP-0026 and KNOX-LC-0007.

The sampling trains are prepared as four analytical fractions: The particulate filter and front half of the filter holder, nozzle and probe solvent rinses are combined for one analytical fraction. The XAD-2 resin trap and back half of the filter holder, coil condenser and connecting glassware solvent rinses are also combined as a separate analytical fraction. The condensate, impinger contents and their related glassware DI water rinses make up the third analytical fraction. The breakthrough XAD module makes up the fourth analytical fraction.

The filters and XAD components are spiked with isotope dilution internal standards and the components are extracted with methanol/ammonium hydroxide by shaking for at least 18 hours. The extracts are concentrated to 10 mL and analyzed by HPLC/MS/MS. The condensates are spiked with the isotope dilution internal standards and extracted using either Solid-Phase Extraction (SPE) or diluting the water sample for analysis. Each extract at its final volume is 80:20 methanol:water

Sample results were calculated using the following equation:

Result, ng/sample = (on-column concentration, ng/mL) × (nominal final volume of extract (10 mL) / 1 sample) × DF × SF

Where:

DF = Instrument dilution factor

SF = Extraction Split Factor = (final volume of extract in the initial extraction batch / initial volume of extract in the "Split" batch)

For condensate, if less than the entire sample is extracted, the fraction of sample used replaces "1 sample"

Observation: It appears that sample number 4 (VEN CB OUTLET R1 BH COMPOSITE) and sample number 6 (VEN CB OUTLET R1 BREAKTHROUGH XAD-2) were swapped due to the concentration of the target compound on each fraction. The error may have happened in the field or in the laboratory. The data will be presented as is with this notation.

Method 537 (modified): The following samples were reported with elevated reporting limits for all analytes: T-0358, T-0359, T-0361 VEN CB OUTLET R1 BH COMPOSITE (140-27968-4), T-0362 VEN CB OUTLET R1 BREAKTHROUGH XAD-2 (140-27968-6), T-0365, T-0366, T-0368 VEN CB OUTLET R2 BH COMPOSITE (140-27968-10) and T-0372, T-0373, T-0375 VEN CB OUTLET R3 BH COMPOSITE (140-27968-16). The sample was analyzed at a dilution based on screening results.

Method 537 (modified): Results for samples T-0358, T-0359, T-0361 VEN CB OUTLET R1 BH COMPOSITE (140-27968-4), T-0365, T-0366, T-0368 VEN CB OUTLET R2 BH COMPOSITE (140-27968-10) and T-0372, T-0373, T-0375 VEN CB OUTLET R3 BH COMPOSITE (140-27968-16) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): The required dilution factor for the following sample was higher than could be achieved by "in vial" dilution, as it would dilute out the Isotope Dilution Analytes (IDA): T-0362 VEN CB OUTLET R1 BREAKTHROUGH XAD-2 (140-27968-6). As such, the dilution was achieved by taking a subsample of the undiluted extract, adding sufficient solvent, and re-spiking the extract with IDA.

Method 537 (modified): Results for samples T-0363, T-0364 VEN CB OUTLET R2 FH COMPOSITE (140-27968-9) and T-0370, T-0371 VEN

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Job ID: 140-27968-1 (Continued)

Laboratory: Eurofins Knoxville (Continued)

CB OUTLET R3 FH COMPOSITE (140-27968-15) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): The following samples were reported with elevated reporting limits for all analytes: T-0356,T-0357 VEN CB OUTLET R1 FH COMPOSITE (140-27968-3), T-0363,T-0364 VEN CB OUTLET R2 FH COMPOSITE (140-27968-9) and T-0370,T-0371 VEN CB OUTLET R3 FH COMPOSITE (140-27968-15). The sample was analyzed at a dilution based on screening results.

Method 537 (modified): The required dilution factor for the following samples were higher than could be achieved by "in vial" dilution, as it would dilute out the Isotope Dilution Analytes (IDA): T-0356,T-0357 VEN CB OUTLET R1 FH COMPOSITE (140-27968-3). As such, the dilution was achieved by taking a subsample of the undiluted extract, adding sufficient solvent, and re-spiking the extract with IDA.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Total Particulates: The measurement of the mass of particulate matter trapped by the particulate filter and probe rinse derived from an M-5 sampling train was performed using SOP number KNOX-WC-0006 (based on EPA Methods 0050 and 5). Microfiber filters and 150 mL beakers are carefully inspected and tare weighed to constant weight. After sample collection, the filters are dried, and then carefully weighed to constant weight to determine the mass of particulate matter trapped on the filters. The acetone probe rinse solution is evaporated to dryness, and then weighed to constant weight to determine the total particulate mass collected in the rinse. The total particulate mass collected by an M-5 train is the sum of the particulate filter and the acetone probe rinse residue weights.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: T-0356 VEN CB OUTLET R1 TARED FILTER

Lab Sample ID: 140-27968-1

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | ND | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:33 | 1 |

Client Sample ID: T-0396 VEN CB OUTLET R1 ACETONE

Lab Sample ID: 140-27968-2

PROBE RINSE

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | 0.940 | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:37 | 1 |

Client Sample ID: T-0356, T-0357 VEN CB OUTLET R1 FH

Lab Sample ID: 140-27968-3

COMPOSITE

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|-----------------|-------|-----------|---|-----------------------|-----------------------|----------------|
| HFPO-DA | 6.38 | | 0.500 | 0.470 | ug/Sample | | 07/08/22 08:38 | 07/11/22 16:57 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>13C3 HFPO-DA</i> | <i>100</i> | | <i>25 - 150</i> | | | | <i>07/08/22 08:38</i> | <i>07/11/22 16:57</i> | <i>1</i> |

Client Sample ID: T-0358, T-0359, T-0361 VEN CB OUTLET R1

Lab Sample ID: 140-27968-4

BH COMPOSITE

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|-----------------|--------|-----------|---|-----------------------|-----------------------|----------------|
| HFPO-DA | 0.116 | | 0.0400 | 0.0220 | ug/Sample | | 07/02/22 06:10 | 07/10/22 03:26 | 2 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>13C3 HFPO-DA</i> | <i>113</i> | | <i>25 - 150</i> | | | | <i>07/02/22 06:10</i> | <i>07/10/22 03:26</i> | <i>2</i> |

Client Sample ID: T-0360 VEN CB OUTLET R1 CONDENSATE

Lab Sample ID: 140-27968-5

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|-----------------|--------|-----------|---|-----------------------|-----------------------|----------------|
| HFPO-DA | ND | | 0.0763 | 0.0305 | ug/Sample | | 07/02/22 08:09 | 07/02/22 20:01 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| <i>13C3 HFPO-DA</i> | <i>81</i> | | <i>25 - 150</i> | | | | <i>07/02/22 08:09</i> | <i>07/02/22 20:01</i> | <i>1</i> |

Eurofins Knoxville

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: T-0362 VEN CB OUTLET R1

Lab Sample ID: 140-27968-6

BREAKTHROUGH XAD-2

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| HFPO-DA | 61.6 | | 10.0 | 5.50 | ug/Sample | | 07/02/22 06:10 | 07/10/22 03:35 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 105 | | 25 - 150 | | | | | | |
| | | | | Prepared | Analyzed | Dil Fac | | | |
| | | | | 07/02/22 06:10 | 07/10/22 03:35 | 1 | | | |

Client Sample ID: T-0363 VEN CB OUTLET R2 TARED FILTER

Lab Sample ID: 140-27968-7

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | ND | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:33 | 1 |

Client Sample ID: T-0397 VEN CB OUTLET R2 ACETONE

Lab Sample ID: 140-27968-8

PROBE RINSE

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | 1.48 | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:37 | 1 |

Client Sample ID: T-0363, T-0364 VEN CB OUTLET R2 FH

Lab Sample ID: 140-27968-9

COMPOSITE

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| HFPO-DA | 1.33 | | 0.250 | 0.235 | ug/Sample | | 07/08/22 08:38 | 07/11/22 17:06 | 50 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 91 | | 25 - 150 | | | | | | |
| | | | | Prepared | Analyzed | Dil Fac | | | |
| | | | | 07/08/22 08:38 | 07/11/22 17:06 | 50 | | | |

Client Sample ID: T-0365, T-0366, T-0368 VEN CB OUTLET R2

Lab Sample ID: 140-27968-10

BH COMPOSITE

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| HFPO-DA | 0.223 | | 0.0400 | 0.0220 | ug/Sample | | 07/02/22 06:10 | 07/10/22 03:44 | 2 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 101 | | 25 - 150 | | | | | | |
| | | | | Prepared | Analyzed | Dil Fac | | | |
| | | | | 07/02/22 06:10 | 07/10/22 03:44 | 2 | | | |

Eurofins Knoxville

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: T-0367 VEN CB OUTLET R2 CONDENSATE

Lab Sample ID: 140-27968-11

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 0.104 | | 0.0713 | 0.0285 | ug/Sample | | 07/02/22 08:09 | 07/02/22 20:09 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 85 | | 25 - 150 | | | | 07/02/22 08:09 | 07/02/22 20:09 | 1 |

Client Sample ID: T-0369 VEN CB OUTLET R2

Lab Sample ID: 140-27968-12

BREAKTHROUGH XAD-2

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 0.0128 | J | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 03:54 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 90 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 03:54 | 1 |

Client Sample ID: T-0370 VEN CB OUTLET R3 TARED FILTER

Lab Sample ID: 140-27968-13

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | ND | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:33 | 1 |

Client Sample ID: T-0398 VEN CB OUTLET R3 ACETONE

Lab Sample ID: 140-27968-14

PROBE RINSE

Matrix: Air

Date Collected: 06/30/22 00:00

Date Received: 07/01/22 14:00

Sample Container: Air Train

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-------|-----------|---|----------|----------------|---------|
| Particulates, Total | 0.945 | | 0.500 | 0.500 | mg/sample | | | 07/08/22 16:37 | 1 |

Client Sample ID: T-0370,T-0371 VEN CB OUTLET R3 FH

Lab Sample ID: 140-27968-15

COMPOSITE

Matrix: Air

Date Collected: 06/30/22 00:00

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|-------|-----------|---|----------------|----------------|---------|
| HFPO-DA | 1.46 | | 0.250 | 0.235 | ug/Sample | | 07/08/22 08:38 | 07/11/22 17:15 | 50 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 80 | | 25 - 150 | | | | 07/08/22 08:38 | 07/11/22 17:15 | 50 |

Eurofins Knoxville

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: T-0372, T-0373, T-0375 VEN CB OUTLET R3

Lab Sample ID: 140-27968-16

BH COMPOSITE

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|--------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 0.143 | | 0.0400 | 0.0220 | ug/Sample | | 07/02/22 06:10 | 07/10/22 04:04 | 2 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 91 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 04:04 | 2 |

Client Sample ID: T-0374 VEN CB OUTLET R3 CONDENSATE

Lab Sample ID: 140-27968-17

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|--------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 0.0551 | J | 0.0763 | 0.0305 | ug/Sample | | 07/02/22 08:09 | 07/02/22 20:18 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 86 | | 25 - 150 | | | | 07/02/22 08:09 | 07/02/22 20:18 | 1 |

Client Sample ID: T-0376 VEN CB OUTLET R3

Lab Sample ID: 140-27968-18

BREAKTHROUGH XAD-2

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|--------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 0.0114 | J | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 04:13 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 111 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 04:13 | 1 |

Default Detection Limits

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Prep: None

| Analyte | RL | MDL | Units |
|---------|---------|---------|-----------|
| HFPO-DA | 0.0200 | 0.0110 | ug/Sample |
| HFPO-DA | 0.00500 | 0.00470 | ug/Sample |

Method: 537 (modified) - Fluorinated Alkyl Substances

Prep: PFAS Prep

| Analyte | RL | MDL | Units |
|---------|----------|----------|-----------|
| HFPO-DA | 0.000500 | 0.000200 | ug/Sample |

General Chemistry

| Analyte | RL | MDL | Units |
|---------------------|-------|-------|-----------|
| Particulates, Total | 0.500 | 0.500 | mg/sample |



Isotope Dilution Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Air

Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | |
|--------------------|--|---|--|
| Lab Sample ID | Client Sample ID | HFPODA (25-150) | |
| 140-27968-3 | T-0356,T-0357 VEN CB OUTLE | 100 | |
| 140-27968-4 | T-0358, T-0359, T-0361 VEN CB OUTLET R1 BH COMPOSIT | 113 | |
| 140-27968-5 | T-0360 VEN CB OUTLET R1 CONDENSATE | 81 | |
| 140-27968-6 | T-0362 VEN CB OUTLET R1 BREAKTHROUGH XAD-2 | 105 | |
| 140-27968-9 | T-0363,T-0364 VEN CB OUTLET R2 FH COMPOSITE | 91 | |
| 140-27968-10 | T-0365, T-0366, T-0368 VEN CB OUTLET R2 BH COMPOSIT | 101 | |
| 140-27968-11 | T-0367 VEN CB OUTLET R2 CONDENSATE | 85 | |
| 140-27968-12 | T-0369 VEN CB OUTLET R2 BREAKTHROUGH XAD-2 | 90 | |
| 140-27968-15 | T-0370,T-0371 VEN CB OUTLET R3 FH COMPOSITE | 80 | |
| 140-27968-16 | T-0372, T-0373, T-0375 VEN CB OUTLET R3 BH COMPOSIT | 91 | |
| 140-27968-17 | T-0374 VEN CB OUTLET R3 CONDENSATE | 86 | |
| 140-27968-18 | T-0376 VEN CB OUTLET R3 BREAKTHROUGH XAD-2 | 111 | |
| LCS 140-63110/2-B | Lab Control Sample | 95 | |
| LCS 140-63111/2-A | Lab Control Sample | 91 | |
| LCS 140-63237/2-B | Lab Control Sample | 67 | |
| LCSD 140-63110/3-B | Lab Control Sample Dup | 97 | |
| LCSD 140-63111/3-A | Lab Control Sample Dup | 88 | |
| LCSD 140-63237/3-B | Lab Control Sample Dup | 82 | |
| MB 140-63110/1-B | Method Blank | 86 | |
| MB 140-63111/1-A | Method Blank | 93 | |
| MB 140-63237/1-B | Method Blank | 72 | |

Surrogate Legend

HFPODA = 13C3 HFPO-DA

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 140-63110/1-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|--------------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 21:08 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| ¹³ C3 HFPO-DA | 86 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 21:08 | 1 |

Lab Sample ID: LCS 140-63110/2-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------|-------------|---------------|---------------|-----------|---|------|-------------|
| HFPO-DA | 0.0200 | 0.02132 | | ug/Sample | | 107 | 60 - 140 |
| Isotope Dilution | %Recovery | LCS Qualifier | Limits | | | | |
| ¹³ C3 HFPO-DA | 95 | | 25 - 150 | | | | |

Lab Sample ID: LCSD 140-63110/3-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------|-------------|----------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0200 | 0.02348 | | ug/Sample | | 117 | 60 - 140 | 10 | 30 |
| Isotope Dilution | %Recovery | LCSD Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 97 | | 25 - 150 | | | | | | |

Lab Sample ID: MB 140-63111/1-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|--------------|----------|----------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.000500 | 0.000200 | ug/Sample | | 07/02/22 08:09 | 07/02/22 19:25 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| ¹³ C3 HFPO-DA | 93 | | 25 - 150 | | | | 07/02/22 08:09 | 07/02/22 19:25 | 1 |

Lab Sample ID: LCS 140-63111/2-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------|-------------|---------------|---------------|-----------|---|------|-------------|
| HFPO-DA | 0.0100 | 0.01091 | | ug/Sample | | 109 | 60 - 140 |
| Isotope Dilution | %Recovery | LCS Qualifier | Limits | | | | |
| ¹³ C3 HFPO-DA | 91 | | 25 - 150 | | | | |

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 140-63111/3-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|------------------|------------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0100 | 0.01074 | | ug/Sample | | 107 | 60 - 140 | 2 | 30 |
| | | LCS | LCS | | | | | | |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C3 HFPO-DA | 88 | | 25 - 150 | | | | | | |

Lab Sample ID: MB 140-63237/1-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63237

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|----------------|----------------|---------|
| HFPO-DA | ND | | 0.00500 | 0.00470 | ug/Sample | | 07/08/22 08:38 | 07/10/22 19:20 | 1 |
| | | MB | MB | | | | | | |
| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| 13C3 HFPO-DA | 72 | | 25 - 150 | 07/08/22 08:38 | 07/10/22 19:20 | 1 | | | |

Lab Sample ID: LCS 140-63237/2-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63237

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|-------------------------|------------------|------------------|---------------|-----------|---|------|-------------|--|--|
| HFPO-DA | 0.0200 | 0.02415 | | ug/Sample | | 121 | 60 - 140 | | |
| | | LCS | LCS | | | | | | |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C3 HFPO-DA | 67 | | 25 - 150 | | | | | | |

Lab Sample ID: LCSD 140-63237/3-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63237

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|------------------|------------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0200 | 0.02540 | | ug/Sample | | 127 | 60 - 140 | 5 | 30 |
| | | LCS | LCS | | | | | | |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C3 HFPO-DA | 82 | | 25 - 150 | | | | | | |

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

LCMS

Prep Batch: 63110

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 140-27968-4 | T-0358, T-0359, T-0361 VEN CB OUTLET R1 BF | Total/NA | Air | None | |
| 140-27968-6 | T-0362 VEN CB OUTLET R1 BREAKTHROUGH | Total/NA | Air | None | |
| 140-27968-10 | T-0365, T-0366, T-0368 VEN CB OUTLET R2 BF | Total/NA | Air | None | |
| 140-27968-12 | T-0369 VEN CB OUTLET R2 BREAKTHROUGH | Total/NA | Air | None | |
| 140-27968-16 | T-0372, T-0373, T-0375 VEN CB OUTLET R3 BF | Total/NA | Air | None | |
| 140-27968-18 | T-0376 VEN CB OUTLET R3 BREAKTHROUGH | Total/NA | Air | None | |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | None | |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | None | |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | None | |

Prep Batch: 63111

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|-----------|------------|
| 140-27968-5 | T-0360 VEN CB OUTLET R1 CONDENSATE | Total/NA | Air | PFAS Prep | |
| 140-27968-11 | T-0367 VEN CB OUTLET R2 CONDENSATE | Total/NA | Air | PFAS Prep | |
| 140-27968-17 | T-0374 VEN CB OUTLET R3 CONDENSATE | Total/NA | Air | PFAS Prep | |
| MB 140-63111/1-A | Method Blank | Total/NA | Air | PFAS Prep | |
| LCS 140-63111/2-A | Lab Control Sample | Total/NA | Air | PFAS Prep | |
| LCSD 140-63111/3-A | Lab Control Sample Dup | Total/NA | Air | PFAS Prep | |

Analysis Batch: 63113

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|----------------|------------|
| 140-27968-5 | T-0360 VEN CB OUTLET R1 CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| 140-27968-11 | T-0367 VEN CB OUTLET R2 CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| 140-27968-17 | T-0374 VEN CB OUTLET R3 CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| MB 140-63111/1-A | Method Blank | Total/NA | Air | 537 (modified) | 63111 |
| LCS 140-63111/2-A | Lab Control Sample | Total/NA | Air | 537 (modified) | 63111 |
| LCSD 140-63111/3-A | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63111 |

Cleanup Batch: 63161

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 140-27968-4 | T-0358, T-0359, T-0361 VEN CB OUTLET R1 BF | Total/NA | Air | Split | 63110 |
| 140-27968-6 | T-0362 VEN CB OUTLET R1 BREAKTHROUGH | Total/NA | Air | Split | 63110 |
| 140-27968-10 | T-0365, T-0366, T-0368 VEN CB OUTLET R2 BF | Total/NA | Air | Split | 63110 |
| 140-27968-12 | T-0369 VEN CB OUTLET R2 BREAKTHROUGH | Total/NA | Air | Split | 63110 |
| 140-27968-16 | T-0372, T-0373, T-0375 VEN CB OUTLET R3 BF | Total/NA | Air | Split | 63110 |
| 140-27968-18 | T-0376 VEN CB OUTLET R3 BREAKTHROUGH | Total/NA | Air | Split | 63110 |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | Split | 63110 |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | Split | 63110 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | Split | 63110 |

Prep Batch: 63237

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 140-27968-3 | T-0356, T-0357 VEN CB OUTLET R1 FH COMPC | Total/NA | Air | None | |
| 140-27968-9 | T-0363, T-0364 VEN CB OUTLET R2 FH COMPC | Total/NA | Air | None | |
| 140-27968-15 | T-0370, T-0371 VEN CB OUTLET R3 FH COMPC | Total/NA | Air | None | |
| MB 140-63237/1-B | Method Blank | Total/NA | Air | None | |
| LCS 140-63237/2-B | Lab Control Sample | Total/NA | Air | None | |
| LCSD 140-63237/3-B | Lab Control Sample Dup | Total/NA | Air | None | |

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QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

LCMS

Cleanup Batch: 63266

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---|-----------|--------|--------|------------|
| 140-27968-3 | T-0356,T-0357 VEN CB OUTLET R1 FH COMPC | Total/NA | Air | Split | 63237 |
| 140-27968-9 | T-0363,T-0364 VEN CB OUTLET R2 FH COMPC | Total/NA | Air | Split | 63237 |
| 140-27968-15 | T-0370,T-0371 VEN CB OUTLET R3 FH COMPC | Total/NA | Air | Split | 63237 |
| MB 140-63237/1-B | Method Blank | Total/NA | Air | Split | 63237 |
| LCS 140-63237/2-B | Lab Control Sample | Total/NA | Air | Split | 63237 |
| LCSD 140-63237/3-B | Lab Control Sample Dup | Total/NA | Air | Split | 63237 |

Cleanup Batch: 63272

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|--------------------------------------|-----------|--------|----------|------------|
| 140-27968-6 | T-0362 VEN CB OUTLET R1 BREAKTHROUGH | Total/NA | Air | Dilution | 63161 |

Analysis Batch: 63274

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|----------------|------------|
| 140-27968-4 | T-0358, T-0359, T-0361 VEN CB OUTLET R1 BF | Total/NA | Air | 537 (modified) | 63161 |
| 140-27968-6 | T-0362 VEN CB OUTLET R1 BREAKTHROUGH | Total/NA | Air | 537 (modified) | 63272 |
| 140-27968-10 | T-0365, T-0366, T-0368 VEN CB OUTLET R2 BF | Total/NA | Air | 537 (modified) | 63161 |
| 140-27968-12 | T-0369 VEN CB OUTLET R2 BREAKTHROUGH | Total/NA | Air | 537 (modified) | 63161 |
| 140-27968-16 | T-0372, T-0373, T-0375 VEN CB OUTLET R3 BF | Total/NA | Air | 537 (modified) | 63161 |
| 140-27968-18 | T-0376 VEN CB OUTLET R3 BREAKTHROUGH | Total/NA | Air | 537 (modified) | 63161 |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | 537 (modified) | 63161 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63161 |

Analysis Batch: 63276

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| MB 140-63110/1-B | Method Blank | Total/NA | Air | 537 (modified) | 63161 |
| MB 140-63237/1-B | Method Blank | Total/NA | Air | 537 (modified) | 63266 |
| LCS 140-63237/2-B | Lab Control Sample | Total/NA | Air | 537 (modified) | 63266 |
| LCSD 140-63237/3-B | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63266 |

Cleanup Batch: 63311

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---|-----------|--------|----------|------------|
| 140-27968-3 | T-0356,T-0357 VEN CB OUTLET R1 FH COMPC | Total/NA | Air | Dilution | 63266 |

Analysis Batch: 63313

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---|-----------|--------|----------------|------------|
| 140-27968-3 | T-0356,T-0357 VEN CB OUTLET R1 FH COMPC | Total/NA | Air | 537 (modified) | 63311 |
| 140-27968-9 | T-0363,T-0364 VEN CB OUTLET R2 FH COMPC | Total/NA | Air | 537 (modified) | 63266 |
| 140-27968-15 | T-0370,T-0371 VEN CB OUTLET R3 FH COMPC | Total/NA | Air | 537 (modified) | 63266 |

General Chemistry

Analysis Batch: 63261

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------------------|-----------|--------|--------|------------|
| 140-27968-1 | T-0356 VEN CB OUTLET R1 TARED FILTER | Total/NA | Air | 5 | |
| 140-27968-2 | T-0396 VEN CB OUTLET R1 ACETONE PROBE | Total/NA | Air | 5 | |
| 140-27968-7 | T-0363 VEN CB OUTLET R2 TARED FILTER | Total/NA | Air | 5 | |
| 140-27968-8 | T-0397 VEN CB OUTLET R2 ACETONE PROBE | Total/NA | Air | 5 | |
| 140-27968-13 | T-0370 VEN CB OUTLET R3 TARED FILTER | Total/NA | Air | 5 | |
| 140-27968-14 | T-0398 VEN CB OUTLET R3 ACETONE PROBE | Total/NA | Air | 5 | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: T-0356 VEN CB OUTLET R1 TARED FILTER

Lab Sample ID: 140-27968-1

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:33 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: T-0396 VEN CB OUTLET R1 ACETONE PROBE RINSE

Lab Sample ID: 140-27968-2

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:37 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: T-0356, T-0357 VEN CB OUTLET R1 FH COMPOSITE

Lab Sample ID: 140-27968-3

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 64 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 32 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 100 uL | 10000 uL | 63311 | 07/11/22 15:06 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63313 | 07/11/22 16:57 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0358, T-0359, T-0361 VEN CB OUTLET R1 BH COMPOSITE

Lab Sample ID: 140-27968-4

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 2 | | | 63274 | 07/10/22 03:26 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0360 VEN CB OUTLET R1 CONDENSATE

Lab Sample ID: 140-27968-5

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|-----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 0.006557 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 20:01 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

**Client Sample ID: T-0362 VEN CB OUTLET R1
 BREAKTHROUGH XAD-2**

Lab Sample ID: 140-27968-6

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Cleanup | Dilution | | | 20 uL | 10000 uL | 63272 | 07/09/22 16:02 | JRC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 03:35 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0363 VEN CB OUTLET R2 TARED FILTER

Lab Sample ID: 140-27968-7

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:33 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

**Client Sample ID: T-0397 VEN CB OUTLET R2 ACETONE
 PROBE RINSE**

Lab Sample ID: 140-27968-8

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 | | 1 | | | 63261 | 07/08/22 16:37 | JXP | TAL KNX |
| Instrument ID: NOEQUIP | | | | | | | | | | |

**Client Sample ID: T-0363, T-0364 VEN CB OUTLET R2 FH
 COMPOSITE**

Lab Sample ID: 140-27968-9

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 50 | | | 63313 | 07/11/22 17:06 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

**Client Sample ID: T-0365, T-0366, T-0368 VEN CB OUTLET R2
 BH COMPOSITE**

Lab Sample ID: 140-27968-10

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 2 | | | 63274 | 07/10/22 03:44 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: T-0367 VEN CB OUTLET R2 CONDENSATE

Lab Sample ID: 140-27968-11

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------------------------------|-----|------------|------------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 0.0070175 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) Instrument ID: LCA | | 1 | | | 63113 | 07/02/22 20:09 | JRC | TAL KNX |

Client Sample ID: T-0369 VEN CB OUTLET R2

Lab Sample ID: 140-27968-12

BREAKTHROUGH XAD-2

Matrix: Air

Date Collected: 06/29/22 00:00

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) Instrument ID: LCA | | 1 | | | 63274 | 07/10/22 03:54 | JRC | TAL KNX |

Client Sample ID: T-0370 VEN CB OUTLET R3 TARED FILTER

Lab Sample ID: 140-27968-13

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 Instrument ID: NOEQUIP | | 1 | | | 63261 | 07/08/22 16:33 | JXP | TAL KNX |

Client Sample ID: T-0398 VEN CB OUTLET R3 ACETONE

Lab Sample ID: 140-27968-14

PROBE RINSE

Matrix: Air

Date Collected: 06/30/22 00:00

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 5 Instrument ID: NOEQUIP | | 1 | | | 63261 | 07/08/22 16:37 | JXP | TAL KNX |

Client Sample ID: T-0370,T-0371 VEN CB OUTLET R3 FH COMPOSITE

Lab Sample ID: 140-27968-15

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) Instrument ID: LCA | | 50 | | | 63313 | 07/11/22 17:15 | JRC | TAL KNX |

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

**Client Sample ID: T-0372, T-0373, T-0375 VEN CB OUTLET R3
 BH COMPOSITE**

Lab Sample ID: 140-27968-16

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 2 | | | 63274 | 07/10/22 04:04 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0374 VEN CB OUTLET R3 CONDENSATE

Lab Sample ID: 140-27968-17

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|-----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 0.006557 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 20:18 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

**Client Sample ID: T-0376 VEN CB OUTLET R3
 BREAKTHROUGH XAD-2**

Lab Sample ID: 140-27968-18

Date Collected: 06/30/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 04:13 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63110/1-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 21:08 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63111/1-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:25 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63237/1-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 19:20 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63110/2-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 02:42 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63111/2-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:34 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63237/2-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 19:29 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63110/3-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 03:09 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63111/3-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:43 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63237/3-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63237 | 07/08/22 08:38 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63266 | 07/09/22 11:14 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 19:39 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Laboratory References:

TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

Laboratory: Eurofins Knoxville

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

| Authority | Program | Identification Number | Expiration Date |
|------------------------|-----------------------|-----------------------|-----------------|
| | AFCEE | N/A | |
| ANAB | Dept. of Defense ELAP | L2311 | 02-13-25 |
| ANAB | Dept. of Energy | L2311.01 | 02-13-25 |
| ANAB | ISO/IEC 17025 | L2311 | 02-13-25 |
| Arkansas DEQ | State | 88-0688 | 06-17-22 * |
| California | State | 2423 | 06-30-22 * |
| Colorado | State | TN00009 | 02-28-23 |
| Connecticut | State | PH-0223 | 09-30-23 |
| Florida | NELAP | E87177 | 06-30-23 |
| Georgia (DW) | State | 906 | 12-11-22 |
| Hawaii | State | NA | 12-11-22 |
| Kansas | NELAP | E-10349 | 10-31-22 |
| Kentucky (DW) | State | 90101 | 12-31-22 |
| Louisiana | NELAP | 83979 | 06-30-23 |
| Louisiana (All) | NELAP | 83979 | 06-30-23 |
| Louisiana (DW) | State | LA019 | 12-31-22 |
| Maryland | State | 277 | 03-31-23 |
| Michigan | State | 9933 | 12-11-22 |
| Nevada | State | TN00009 | 07-31-22 |
| New Hampshire | NELAP | 299919 | 01-17-23 |
| New Jersey | NELAP | TN001 | 06-30-23 |
| New York | NELAP | 10781 | 03-31-23 |
| North Carolina (DW) | State | 21705 | 07-31-22 |
| North Carolina (WW/SW) | State | 64 | 12-31-22 |
| Ohio VAP | State | CL0059 | 06-02-23 |
| Oklahoma | State | 9415 | 08-31-22 |
| Oregon | NELAP | TNI0189 | 12-31-22 |
| Pennsylvania | NELAP | 68-00576 | 12-31-22 |
| Tennessee | State | 02014 | 12-11-22 |
| Texas | NELAP | T104704380-18-12 | 08-31-22 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-22 |
| USDA | US Federal Programs | P330-19-00236 | 08-20-22 |
| Utah | NELAP | TN00009 | 07-31-22 |
| Virginia | NELAP | 460176 | 09-14-22 |
| Washington | State | C593 | 01-19-23 |
| West Virginia (DW) | State | 9955C | 12-31-22 |
| West Virginia DEP | State | 345 | 04-30-23 |
| Wisconsin | State | 998044300 | 08-31-22 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

| Method | Method Description | Protocol | Laboratory |
|----------------|--|----------|------------|
| 537 (modified) | Fluorinated Alkyl Substances | EPA | TAL KNX |
| 5 | Particulates | EPA | TAL KNX |
| Dilution | Dilution and Re-fortification of Standards | None | TAL KNX |
| None | Leaching Procedure | TAL SOP | TAL KNX |
| None | Leaching Procedure for Filter | TAL SOP | TAL KNX |
| PFAS Prep | Preparation, Direct Inject PFAS | TAL-SAC | TAL KNX |
| Split | Source Air Split | None | TAL KNX |

Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure
- TAL-SAC = Eurofins Sacramento, Facility Standard Operating Procedure.

Laboratory References:

- TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000



Sample Summary

Client: The Chemours Company FC, LLC
Project/Site: VEN CB OUTLET Q2

Job ID: 140-27968-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---|--------|----------------|----------------|
| 140-27968-1 | T-0356 VEN CB OUTLET R1 TARED FILTER | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-2 | T-0396 VEN CB OUTLET R1 ACETONE PROBE RINSE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-3 | T-0356,T-0357 VEN CB OUTLET R1 FH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-4 | T-0358, T-0359, T-0361 VEN CB OUTLET R1 BH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-5 | T-0360 VEN CB OUTLET R1 CONDENSATE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-6 | T-0362 VEN CB OUTLET R1 BREAKTHROUGH XAD-2 | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-7 | T-0363 VEN CB OUTLET R2 TARED FILTER | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-8 | T-0397 VEN CB OUTLET R2 ACETONE PROBE RINSE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-9 | T-0363,T-0364 VEN CB OUTLET R2 FH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-10 | T-0365, T-0366, T-0368 VEN CB OUTLET R2 BH COMPOSITE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-11 | T-0367 VEN CB OUTLET R2 CONDENSATE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-12 | T-0369 VEN CB OUTLET R2 BREAKTHROUGH XAD-2 | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-27968-13 | T-0370 VEN CB OUTLET R3 TARED FILTER | Air | 06/30/22 00:00 | 07/01/22 14:00 |
| 140-27968-14 | T-0398 VEN CB OUTLET R3 ACETONE PROBE RINSE | Air | 06/30/22 00:00 | 07/01/22 14:00 |
| 140-27968-15 | T-0370,T-0371 VEN CB OUTLET R3 FH COMPOSITE | Air | 06/30/22 00:00 | 07/01/22 14:00 |
| 140-27968-16 | T-0372, T-0373, T-0375 VEN CB OUTLET R3 BH COMPOSITE | Air | 06/30/22 00:00 | 07/01/22 14:00 |
| 140-27968-17 | T-0374 VEN CB OUTLET R3 CONDENSATE | Air | 06/30/22 00:00 | 07/01/22 14:00 |
| 140-27968-18 | T-0376 VEN CB OUTLET R3 BREAKTHROUGH XAD-2 | Air | 06/30/22 00:00 | 07/01/22 14:00 |



Request for Analysis/Chain-of-Custody – RFA/COC #002
The Chemours Company – Fayetteville NC
VEN Carbon Bed Outlet



Environment Testing
 TestAmerica

| | |
|--|--|
| Project Identification: | Chemours Emissions Test |
| Client Name: | The Chemours Company FC, LLC |
| Client Contact: | Ms. Christel Compton Office: (910) 678-1213 Cell: (910) 975-3386 |
| TestAmerica Project Manager: | Ms. Courtney Adkins Office: (865) 291-3019 |
| TestAmerica Program Manager: | Mr. Billy Anderson Office: (865) 291-3080 Cell: (865) 206-9004 |
| Analytical Testing QC Requirements: The Legend for Project-Specific Quality Control Testing is designated in the "QC" column as follows: "BT" = Blank Train, "RB" = Reagent Blank, "MS" = Matrix Spike, "MSD" = Matrix Spike Duplicate, "DUP" = Duplicate, "PB" = Proof Blank, "TB" = Trip Blank | |

| | |
|--|--------------------------|
| Laboratory Deliverable Turnaround Requirements: | |
| Analytical Due Date: (Review-Released Data) | 21 Days from Lab Receipt |
| Data Package Due Date: | 28 Days from Lab Receipt |
| Laboratory Destination: Eurofins TestAmerica 5815 Middlebrook Pike Knoxville, TN | |
| Lab Phone Number: | (865) 291-3000 |
| Courier: | Hand Deliver |

Project Deliverables:
 Report analytical results on TALS Report form Std_Tal_L4. Include "Field Sample Number", "Sample Type", and "Run Number" on all TALS Reports.

| | | |
|------------------------------|--|-----------------------------------|
| Analytical Parameter: | Holding Time Requirements: | Preservation Requirements: |
| HFPO-DA (CAS No. 13252-13-6) | 28 Days to Extraction; 28 Days to Analysis | Cool, 4°C |

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|---------------------------|--|--|
| T-0356 VEN CB OUTLET R1 OTM-45 Tared Particulate Filter (Combine with T-0357) | 1 | 6/30/22 | | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0396 VEN CB OUTLET R1 OTM-45 Acetone Probe Rinse | 1 | 6/30/22 | | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |



140-27968 Chain of Custody

Request for Analysis/Chain-of-Custody – RFA/COC #002
 The Chemours Company – Fayetteville NC
 VEN Carbon Bed Outlet



| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|-------------------------------|--|---|
| T-0357 VEN CB OUTLET R1 OTM-45 FH of Filter Holder & Probe Methanol Rinse (Combine with T-0356) | 1 | 6/29/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0358 VEN CB OUTLET R1 OTM-45 XAD-2 Resin Tube | 1 | 6/29/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using Method 8321A-HFPO. |
| T-0359 VEN CB OUTLET R1 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0358) | 1 | 6/29/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. Analyze for HFPO-DA using Method 8321A-HFPO. |
| T-0360 VEN CB OUTLET R1 OTM-45 Impingers 1,2 & 3 Condensate | 1 | 6/29/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |
| T-0361 VEN CB OUTLET R1 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0358) | 1 | 6/29/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0362 VEN CB OUTLET R1 OTM-45 Breakthrough XAD-2 Resin Tube | 1 | 6/29/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using Method 8321A-HFPO. |

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| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0363 VEN CB OUTLET R2 OTM-45 Tared Particulate Filter (Combine with T-0364) | 2 | 6/30/22 | | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0397 VEN CB OUTLET R2 OTM-45 Acetone Probe Rinse | 2 | 6/30/22 | | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |
| T-0364 VEN CB OUTLET R2 OTM-45 Front Half of Filter Holder & Probe Methanol Rinse (Combine with T-0363) | 2 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0365 VEN CB OUTLET R2 OTM-45 XAD-2 Resin Tube | 2 | 6/30/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using Method 8321A-HFPO. |

Request for Analysis/Chain-of-Custody – RFA/COC #002
 The Chemours Company – Fayetteville NC
 VEN Carbon Bed Outlet



| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0366 VEN CB OUTLET R2 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0365) | 2 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. Analyze for HFPO-DA using Method 8321A-HFPO. |
| T-0367 VEN CB OUTLET R2 OTM-45 Impingers 1,2 & 3 Condensate | 2 | 6/30/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |
| T-0368 VEN CB OUTLET R2 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0365) | 2 | 6/30/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0369 VEN CB OUTLET R2 OTM-45 Breakthrough XAD-2 Resin Tube | 2 | 6/30/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using Method 8321A-HFPO. |
| T-0370 VEN CB OUTLET R3 OTM-45 Tared Particulate Filter (Combine with T-0371) | 3 | 6/30/22 | | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |

Request for Analysis/Chain-of-Custody – RFA/COC #002
 The Chemours Company – Fayetteville NC
 VEN Carbon Bed Outlet



| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0398 VEN CB OUTLET R3 OTM-45 Acetone Probe Rinse | 3 | 6/30/22 | | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |
| T-0371 VEN CB OUTLET R3 OTM-45 Front Half of Filter Holder & Probe Methanol Rinse (Combine with T-0370) | 3 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Particulate Filter extraction. |
| T-0372 VEN CB OUTLET R3 OTM-45 XAD-2 Resin Tube | 3 | 6/30/22 | | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA using Method 8321A-HFPO. |
| T-0373 VEN CB OUTLET R3 OTM-45 BH of Filter Holder & Coil Condenser Methanol Rinse (Combine with T-0372) | 3 | 6/30/22 | | 125 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. Analyze for HFPO-DA using Method 8321A-HFPO. |
| T-0374 VEN CB OUTLET R3 OTM-45 Impingers 1,2 & 3 Condensate | 3 | 6/30/22 | | 500 mL HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Train HFPO-DA Analysis | Knoxville: Analyze the sample for HFPO-DA. |

Request for Analysis/Chain-of-Custody – RFA/COC #002
 The Chemours Company – Fayetteville NC
 VEN Carbon Bed Outlet



Environment Testing
 TestAmerica

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0375 VEN CB OUTLET R3 OTM-45 Impinger Glassware MeOH Rinse (Combine with T-0372) | 3 | 6/30/22 | | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |
| T-0376 VEN CB OUTLET R3 OTM-45 Breakthrough XAD-2 Resin Tube | 3 | 6/30/22 | | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Train HFPO-DA Analysis | Knoxville: Spike the sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA using Method 8321A-HFPO. |

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Sample Receipt Log and Condition of the Samples Upon Receipt:

Please fill in the following information:

Comments

(Please write "NONE" if no comment applicable)

(1) Record the identities of any samples that were listed on the RFA but were not found in the sample shipment.

N/A

(2) Record the sample shipping cooler temperature of all coolers transporting samples listed on this RFA:

3.8°C at 3.9°C at

(3) Record any apparent sample loss/breakage.

N/A

(4) Record any unidentified samples transported with this shipment of samples:

N/A

(5) Indicate if all samples were received according to the project's required specifications (i.e. no nonconformances):

yes


Custody Transfer:

| | | | |
|------------------|--------------------------------|----------------------------|----------------------------------|
| Relinquished By: | <i>Patricia Gray</i> Name | <i>Alliance</i> Company | <i>6/30/22 2000</i> Date/Time |
| Accepted By: | <i>Tom C. Anderson</i> Name | <i>Eurofins</i> Company | <i>6/30/22 2000</i> Date/Time |
| Relinquished By: | <i>Tom C. Anderson</i> Name | <i>Eurofins</i> Company | <i>7/1/22 1400</i> Date/Time |
| Accepted By: | <i>Camryn Adew</i> Name | <i>ETA Inc</i> Company | <i>7/1/22 14:00</i> Date/Time |
| Relinquished By: | _____ Name | _____ Company | _____ Date/Time |
| Accepted By: | _____ Name | _____ Company | _____ Date/Time |
| Relinquished By: | _____ Name | _____ Company | _____ Date/Time |
| Accepted By: | _____ Name | _____ Company | _____ Date/Time |

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

| Review Items | Yes | No | NA | If No, what was the problem? | Comments/Actions Taken |
|---|-----|----|----|---|--|
| 1. Are the shipping containers intact? | ✓ | | | <input type="checkbox"/> Containers, Broken | |
| 2. Were ambient air containers received intact? | | | ✓ | <input type="checkbox"/> Checked in lab | |
| 3. The coolers/containers custody seal if present, is it intact? | | | ✓ | <input type="checkbox"/> Yes <input type="checkbox"/> NA | |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID : <u>S673</u> Correction factor: <u>10.7</u> | ✓ | | | <input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt | |
| 5. Were all of the sample containers received intact? | ✓ | | ✓ | <input type="checkbox"/> Containers, Broken | |
| 6. Were samples received in appropriate containers? | ✓ | | . | <input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel | |
| 7. Do sample container labels match COC? (IDs, Dates, Times) | ✓ | | | <input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received | |
| 8. Were all of the samples listed on the COC received? | ✓ | | | <input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received | |
| 9. Is the date/time of sample collection noted? | ✓ | | | <input type="checkbox"/> COC; No Date/Time; Client Contacted | Labeling Verified by: _____ Date: _____ |
| 10. Was the sampler identified on the COC? | ✓ | | | <input type="checkbox"/> Sampler Not Listed on COC | pH test strip lot number: _____ |
| 11. Is the client and project name/# identified? | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 12. Are tests/parameters listed for each sample? | ✓ | | | <input type="checkbox"/> COC No tests on COC | |
| 13. Is the matrix of the samples noted? | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 14. Was COC relinquished? (Signed/Dated/Timed) | ✓ | | | <input type="checkbox"/> COC Incorrect/Incomplete | Box 16A: pH Preservation Box 18A: Residual Chlorine |
| 15. Were samples received within holding time? | ✓ | | | <input type="checkbox"/> Holding Time - Receipt | Preservative: _____ |
| 16. Were samples received with correct chemical preservative (excluding Encore)? | | | ✓ | <input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative | Lot Number: _____ Exp Date: _____ Analyst: _____ |
| 17. Were VOA samples received without headspace? | | | ✓ | <input type="checkbox"/> Headspace (VOA only) <input type="checkbox"/> Residual Chlorine | Date: _____ Time: _____ |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____ | | | ✓ | | |
| 19. For 1613B water samples is pH<9? | | | ✓ | <input type="checkbox"/> If no, notify lab to adjust | |
| 20. For rad samples was sample activity info. Provided? | | | ✓ | <input type="checkbox"/> Project missing info | |
| Project #: _____ | | | | | |
| PM Instructions: _____ | | | | | |

Sample Receiving Associate:  Date: 7/1/22 QA026R32.doc, 062719



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 140-27968-1

Login Number: 27968

List Source: Eurofins Knoxville

List Number: 1

Creator: Adkins, Courtney M

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | | |
| The cooler's custody seal, if present, is intact. | | |
| Sample custody seals, if present, are intact. | | |
| The cooler or samples do not appear to have been compromised or tampered with. | | |
| Samples were received on ice. | | |
| Cooler Temperature is acceptable. | | |
| Cooler Temperature is recorded. | | |
| COC is present. | | |
| COC is filled out in ink and legible. | | |
| COC is filled out with all pertinent information. | | |
| Is the Field Sampler's name present on COC? | | |
| There are no discrepancies between the containers received and the COC. | | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | | |
| Sample containers have legible labels. | | |
| Containers are not broken or leaking. | | |
| Sample collection date/times are provided. | | |
| Appropriate sample containers are used. | | |
| Sample bottles are completely filled. | | |
| Sample Preservation Verified. | | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | | |
| Multiphasic samples are not present. | | |
| Samples do not require splitting or compositing. | | |
| Residual Chlorine Checked. | | |

ANALYTICAL REPORT

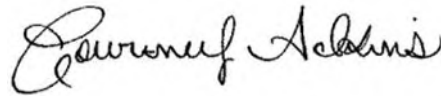
Eurofins Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-28013-1
Client Project/Site: VEN Q2 FIELD QC

For:

The Chemours Company FC, LLC
c/o AECOM
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Attn: Michael Aucoin



Authorized for release by:
7/18/2022 3:27:38 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

| | |
|------------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Default Detection Limits | 8 |
| Isotope Dilution Summary | 9 |
| QC Sample Results | 10 |
| QC Association Summary | 12 |
| Lab Chronicle | 14 |
| Certification Summary | 19 |
| Method Summary | 20 |
| Sample Summary | 21 |
| Chain of Custody | 22 |
| Receipt Checklists | 29 |

Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Qualifiers

LCMS

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Job ID: 140-28013-1

Laboratory: Eurofins Knoxville

Narrative

Job Narrative 140-28013-1

Receipt

The samples were received on 7/1/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2° C.

LCMS

Methods 537 (modified), Dilution: LC/MS/MS Sampling Train Preparation and Analysis: The sampling train components are extracted and analyzed for Per- and Polyfluorinated Alkyl Substances (PFAS) using Eurofins TestAmerica Knoxville standard operating procedures KNOX-OP-0026 and KNOX-LC-0007.

The sampling trains are prepared as four analytical fractions: The particulate filter and front half of the filter holder, nozzle and probe solvent rinses are combined for one analytical fraction. The XAD-2 resin trap and back half of the filter holder, coil condenser and connecting glassware solvent rinses are also combined as a separate analytical fraction. The condensate, impinger contents and their related glassware DI water rinses make up the third analytical fraction. The breakthrough XAD module makes up the fourth analytical fraction.

The filters and XAD components are spiked with isotope dilution internal standards and the components are extracted with methanol/ammonium hydroxide by shaking for at least 18 hours. The extracts are concentrated to 10 mL and analyzed by HPLC/MS/MS. The condensates are spiked with the isotope dilution internal standards and extracted using either Solid-Phase Extraction (SPE) or diluting the water sample for analysis. Each extract at its final volume is 80:20 methanol:water

Sample results were calculated using the following equation:

$$\text{Result, ng/sample} = (\text{on-column concentration, ng/mL}) \times (\text{nominal final volume of extract (10 mL)} / 1 \text{ sample}) \times \text{DF} \times \text{SF}$$

Where:

DF = Instrument dilution factor

SF = Extraction Split Factor = (final volume of extract in the initial extraction batch / initial volume of extract in the "Split" batch)

For condensate, if less than the entire sample is extracted, the fraction of sample used replaces "1 sample"

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: T-0377, T-0378 QC CB OTM-45 PBT FH

Lab Sample ID: 140-28013-1

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|---------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.00500 | 0.00470 | ug/Sample | | 07/11/22 08:23 | 07/12/22 17:38 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 76 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/11/22 08:23 | 07/12/22 17:38 | 1 |

Client Sample ID: T-0379, T-0380, T-0382 QC CB OTM-45 PBT

Lab Sample ID: 140-28013-2

BH

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:41 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 107 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 06:10 | 07/10/22 05:41 | 1 |

Client Sample ID: T-0381 QC CB OTM-45 PBT CONDENSATE

Lab Sample ID: 140-28013-3

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|----------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.000500 | 0.000200 | ug/Sample | | 07/02/22 08:09 | 07/02/22 21:11 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 90 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 08:09 | 07/02/22 21:11 | 1 |

Client Sample ID: T-0383 QC CB OTM-45 PBT

Lab Sample ID: 140-28013-4

BREAKTHROUGH XAD-2

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:50 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 118 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 06:10 | 07/10/22 05:50 | 1 |

Client Sample ID: T-0384 QC CB OTM-45 DI WATER RB

Lab Sample ID: 140-28013-5

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|----------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.000500 | 0.000200 | ug/Sample | | 07/02/22 08:09 | 07/02/22 21:20 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| ¹³ C3 HFPO-DA | 91 | | 25 - 150 | | | | | | |
| | | | | | | | Prepared | Analyzed | Dil Fac |
| | | | | | | | 07/02/22 08:09 | 07/02/22 21:20 | 1 |

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Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: T-0385 QC CB OTM-45 MEOH/5%NH4OH RB

Lab Sample ID: 140-28013-6

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|--------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:59 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 95 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 05:59 | 1 |

Client Sample ID: T-0386, T-0387 QC CB OTM-45 FBT FH

Lab Sample ID: 140-28013-7

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|---------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 0.0196 | | 0.00493 | 0.00463 | ug/Sample | | 07/11/22 08:23 | 07/12/22 17:47 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 75 | | 25 - 150 | | | | 07/11/22 08:23 | 07/12/22 17:47 | 1 |

Client Sample ID: T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH

Lab Sample ID: 140-28013-8

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|--------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 0.0195 | J | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 06:07 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 105 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 06:07 | 1 |

Client Sample ID: T-0390 QC CB OTM-45 CONDENSATE

Lab Sample ID: 140-28013-9

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|----------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | 0.000207 | J | 0.000500 | 0.000200 | ug/Sample | | 07/02/22 08:09 | 07/02/22 21:29 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 88 | | 25 - 150 | | | | 07/02/22 08:09 | 07/02/22 21:29 | 1 |

Client Sample ID: T-0392 QC CB OTM-45 BREAKTHROUGH XAD-2

Lab Sample ID: 140-28013-10

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|--------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 06:16 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 98 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 06:16 | 1 |

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Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: MEDIA CHECK FILTER

Lab Sample ID: 140-28013-11

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|---------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.00500 | 0.00470 | ug/Sample | | 07/11/22 08:23 | 07/12/22 17:56 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 65 | | 25 - 150 | | | | 07/11/22 08:23 | 07/12/22 17:56 | 1 |

Client Sample ID: MEDIA CHECK XAD

Lab Sample ID: 140-28013-12

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

Sample Container: Air Train

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 06:42 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 97 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 06:42 | 1 |

Default Detection Limits

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Prep: None

| Analyte | RL | MDL | Units |
|---------|---------|---------|-----------|
| HFPO-DA | 0.00500 | 0.00470 | ug/Sample |
| HFPO-DA | 0.0200 | 0.0110 | ug/Sample |

Method: 537 (modified) - Fluorinated Alkyl Substances

Prep: PFAS Prep

| Analyte | RL | MDL | Units |
|---------|----------|----------|-----------|
| HFPO-DA | 0.000500 | 0.000200 | ug/Sample |

1

2

3

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Isotope Dilution Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Air

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | HFPODA (25-150) |
|--------------------|---|--------------------|
| 140-28013-1 | T-0377, T-0378 QC CB OTM-45 | 76 |
| 140-28013-2 | T-0379, T-0380, T-0382 QC CB OTM-45 PBT BH | 107 |
| 140-28013-3 | T-0381 QC CB OTM-45 PBT CONDENSATE | 90 |
| 140-28013-4 | T-0383 QC CB OTM-45 PBT BREAKTHROUGH XAD-2 | 118 |
| 140-28013-5 | T-0384 QC CB OTM-45 DI WATER RB | 91 |
| 140-28013-6 | T-0385 QC CB OTM-45 MEOH/5%NH4OH RB | 95 |
| 140-28013-7 | T-0386, T-0387 QC CB OTM-45 FBT FH | 75 |
| 140-28013-8 | T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH | 105 |
| 140-28013-9 | T-0390 QC CB OTM-45 CONDENSATE | 88 |
| 140-28013-10 | T-0392 QC CB OTM-45 BREAKTHROUGH XAD-2 | 98 |
| 140-28013-11 | MEDIA CHECK FILTER | 65 |
| 140-28013-12 | MEDIA CHECK XAD | 97 |
| LCS 140-63110/2-B | Lab Control Sample | 95 |
| LCS 140-63111/2-A | Lab Control Sample | 91 |
| LCS 140-63294/2-B | Lab Control Sample | 75 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | 97 |
| LCSD 140-63111/3-A | Lab Control Sample Dup | 88 |
| LCSD 140-63294/3-B | Lab Control Sample Dup | 69 |
| MB 140-63110/14-B | Method Blank | 101 |
| MB 140-63110/1-B | Method Blank | 86 |
| MB 140-63111/1-A | Method Blank | 93 |
| MB 140-63294/1-B | Method Blank | 78 |

Surrogate Legend

HFPODA = 13C3 HFPO-DA

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 140-63110/14-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|-----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 05:06 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | MB Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 101 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 05:06 | 1 |

Lab Sample ID: MB 140-63110/1-B
Matrix: Air
Analysis Batch: 63276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|-----------|--------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.0200 | 0.0110 | ug/Sample | | 07/02/22 06:10 | 07/10/22 21:08 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | MB Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 86 | | 25 - 150 | | | | 07/02/22 06:10 | 07/10/22 21:08 | 1 |

Lab Sample ID: LCS 140-63110/2-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------|-------------|---------------|---------------|-----------|---|------|-------------|
| HFPO-DA | 0.0200 | 0.02132 | | ug/Sample | | 107 | 60 - 140 |
| Isotope Dilution | %Recovery | LCS Qualifier | LCS Limits | | | | |
| 13C3 HFPO-DA | 95 | | 25 - 150 | | | | |

Lab Sample ID: LCSD 140-63110/3-B
Matrix: Air
Analysis Batch: 63274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63110

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------|-------------|----------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0200 | 0.02348 | | ug/Sample | | 117 | 60 - 140 | 10 | 30 |
| Isotope Dilution | %Recovery | LCSD Qualifier | LCSD Limits | | | | | | |
| 13C3 HFPO-DA | 97 | | 25 - 150 | | | | | | |

Lab Sample ID: MB 140-63111/1-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|--------------|-----------|----------|-----------|---|----------------|----------------|---------|
| HFPO-DA | ND | | 0.000500 | 0.000200 | ug/Sample | | 07/02/22 08:09 | 07/02/22 19:25 | 1 |
| Isotope Dilution | %Recovery | MB Qualifier | MB Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C3 HFPO-DA | 93 | | 25 - 150 | | | | 07/02/22 08:09 | 07/02/22 19:25 | 1 |

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QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 140-63111/2-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|------------------|------------------|---------------|-----------|---|------|-------------|
| HFPO-DA | 0.0100 | 0.01091 | | ug/Sample | | 109 | 60 - 140 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | |
| 13C3 HFPO-DA | 91 | | 25 - 150 | | | | |

Lab Sample ID: LCSD 140-63111/3-A
Matrix: Air
Analysis Batch: 63113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63111

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|------------------|------------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0100 | 0.01074 | | ug/Sample | | 107 | 60 - 140 | 2 | 30 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | | | |
| 13C3 HFPO-DA | 88 | | 25 - 150 | | | | | | |

Lab Sample ID: MB 140-63294/1-B
Matrix: Air
Analysis Batch: 63372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63294

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------------|------------------|---------------|---------|-----------|---|-----------------|-----------------|----------------|
| HFPO-DA | ND | | 0.00500 | 0.00470 | ug/Sample | | 07/11/22 08:23 | 07/12/22 17:12 | 1 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 13C3 HFPO-DA | 78 | | 25 - 150 | | | | 07/11/22 08:23 | 07/12/22 17:12 | 1 |

Lab Sample ID: LCS 140-63294/2-B
Matrix: Air
Analysis Batch: 63372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63294

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|------------------|------------------|---------------|-----------|---|------|-------------|
| HFPO-DA | 0.0200 | 0.02388 | | ug/Sample | | 119 | 60 - 140 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | |
| 13C3 HFPO-DA | 75 | | 25 - 150 | | | | |

Lab Sample ID: LCSD 140-63294/3-B
Matrix: Air
Analysis Batch: 63372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63294

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|------------------|------------------|----------------|-----------|---|------|-------------|-----|-----------|
| HFPO-DA | 0.0200 | 0.02243 | | ug/Sample | | 112 | 60 - 140 | 6 | 30 |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | | | |
| 13C3 HFPO-DA | 69 | | 25 - 150 | | | | | | |

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

LCMS

Prep Batch: 63110

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 140-28013-2 | T-0379, T-0380, T-0382 QC CB OTM-45 PBT BH | Total/NA | Air | None | |
| 140-28013-4 | T-0383 QC CB OTM-45 PBT BREAKTHROUGH | Total/NA | Air | None | |
| 140-28013-6 | T-0385 QC CB OTM-45 MEOH/5%NH4OH RB | Total/NA | Air | None | |
| 140-28013-8 | T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH | Total/NA | Air | None | |
| 140-28013-10 | T-0392 QC CB OTM-45 BREAKTHROUGH XAD | Total/NA | Air | None | |
| 140-28013-12 | MEDIA CHECK XAD | Total/NA | Air | None | |
| MB 140-63110/14-B | Method Blank | Total/NA | Air | None | |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | None | |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | None | |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | None | |

Prep Batch: 63111

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|-----------|------------|
| 140-28013-3 | T-0381 QC CB OTM-45 PBT CONDENSATE | Total/NA | Air | PFAS Prep | |
| 140-28013-5 | T-0384 QC CB OTM-45 DI WATER RB | Total/NA | Air | PFAS Prep | |
| 140-28013-9 | T-0390 QC CB OTM-45 CONDENSATE | Total/NA | Air | PFAS Prep | |
| MB 140-63111/1-A | Method Blank | Total/NA | Air | PFAS Prep | |
| LCS 140-63111/2-A | Lab Control Sample | Total/NA | Air | PFAS Prep | |
| LCSD 140-63111/3-A | Lab Control Sample Dup | Total/NA | Air | PFAS Prep | |

Analysis Batch: 63113

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|----------------|------------|
| 140-28013-3 | T-0381 QC CB OTM-45 PBT CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| 140-28013-5 | T-0384 QC CB OTM-45 DI WATER RB | Total/NA | Air | 537 (modified) | 63111 |
| 140-28013-9 | T-0390 QC CB OTM-45 CONDENSATE | Total/NA | Air | 537 (modified) | 63111 |
| MB 140-63111/1-A | Method Blank | Total/NA | Air | 537 (modified) | 63111 |
| LCS 140-63111/2-A | Lab Control Sample | Total/NA | Air | 537 (modified) | 63111 |
| LCSD 140-63111/3-A | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63111 |

Cleanup Batch: 63161

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--|-----------|--------|--------|------------|
| 140-28013-2 | T-0379, T-0380, T-0382 QC CB OTM-45 PBT BH | Total/NA | Air | Split | 63110 |
| 140-28013-4 | T-0383 QC CB OTM-45 PBT BREAKTHROUGH | Total/NA | Air | Split | 63110 |
| 140-28013-6 | T-0385 QC CB OTM-45 MEOH/5%NH4OH RB | Total/NA | Air | Split | 63110 |
| 140-28013-8 | T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH | Total/NA | Air | Split | 63110 |
| 140-28013-10 | T-0392 QC CB OTM-45 BREAKTHROUGH XAD | Total/NA | Air | Split | 63110 |
| 140-28013-12 | MEDIA CHECK XAD | Total/NA | Air | Split | 63110 |
| MB 140-63110/14-B | Method Blank | Total/NA | Air | Split | 63110 |
| MB 140-63110/1-B | Method Blank | Total/NA | Air | Split | 63110 |
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | Split | 63110 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | Split | 63110 |

Analysis Batch: 63274

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--|-----------|--------|----------------|------------|
| 140-28013-2 | T-0379, T-0380, T-0382 QC CB OTM-45 PBT BH | Total/NA | Air | 537 (modified) | 63161 |
| 140-28013-4 | T-0383 QC CB OTM-45 PBT BREAKTHROUGH | Total/NA | Air | 537 (modified) | 63161 |
| 140-28013-6 | T-0385 QC CB OTM-45 MEOH/5%NH4OH RB | Total/NA | Air | 537 (modified) | 63161 |
| 140-28013-8 | T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH | Total/NA | Air | 537 (modified) | 63161 |
| 140-28013-10 | T-0392 QC CB OTM-45 BREAKTHROUGH XAD | Total/NA | Air | 537 (modified) | 63161 |
| 140-28013-12 | MEDIA CHECK XAD | Total/NA | Air | 537 (modified) | 63161 |
| MB 140-63110/14-B | Method Blank | Total/NA | Air | 537 (modified) | 63161 |

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QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

LCMS (Continued)

Analysis Batch: 63274 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| LCS 140-63110/2-B | Lab Control Sample | Total/NA | Air | 537 (modified) | 63161 |
| LCSD 140-63110/3-B | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63161 |

Analysis Batch: 63276

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|----------------|------------|
| MB 140-63110/1-B | Method Blank | Total/NA | Air | 537 (modified) | 63161 |

Prep Batch: 63294

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|--------|------------|
| 140-28013-1 | T-0377, T-0378 QC CB OTM-45 PBT FH | Total/NA | Air | None | |
| 140-28013-7 | T-0386, T-0387 QC CB OTM-45 FBT FH | Total/NA | Air | None | |
| 140-28013-11 | MEDIA CHECK FILTER | Total/NA | Air | None | |
| MB 140-63294/1-B | Method Blank | Total/NA | Air | None | |
| LCS 140-63294/2-B | Lab Control Sample | Total/NA | Air | None | |
| LCSD 140-63294/3-B | Lab Control Sample Dup | Total/NA | Air | None | |

Cleanup Batch: 63332

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|--------|------------|
| 140-28013-1 | T-0377, T-0378 QC CB OTM-45 PBT FH | Total/NA | Air | Split | 63294 |
| 140-28013-7 | T-0386, T-0387 QC CB OTM-45 FBT FH | Total/NA | Air | Split | 63294 |
| 140-28013-11 | MEDIA CHECK FILTER | Total/NA | Air | Split | 63294 |
| MB 140-63294/1-B | Method Blank | Total/NA | Air | Split | 63294 |
| LCS 140-63294/2-B | Lab Control Sample | Total/NA | Air | Split | 63294 |
| LCSD 140-63294/3-B | Lab Control Sample Dup | Total/NA | Air | Split | 63294 |

Analysis Batch: 63372

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------------------|-----------|--------|----------------|------------|
| 140-28013-1 | T-0377, T-0378 QC CB OTM-45 PBT FH | Total/NA | Air | 537 (modified) | 63332 |
| 140-28013-7 | T-0386, T-0387 QC CB OTM-45 FBT FH | Total/NA | Air | 537 (modified) | 63332 |
| 140-28013-11 | MEDIA CHECK FILTER | Total/NA | Air | 537 (modified) | 63332 |
| MB 140-63294/1-B | Method Blank | Total/NA | Air | 537 (modified) | 63332 |
| LCS 140-63294/2-B | Lab Control Sample | Total/NA | Air | 537 (modified) | 63332 |
| LCSD 140-63294/3-B | Lab Control Sample Dup | Total/NA | Air | 537 (modified) | 63332 |

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: T-0377, T-0378 QC CB OTM-45 PBT FH

Lab Sample ID: 140-28013-1

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 62 mL | 63294 | 07/11/22 08:23 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 31 mL | 10 mL | 63332 | 07/12/22 07:29 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63372 | 07/12/22 17:38 | CAC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0379, T-0380, T-0382 QC CB OTM-45 PBT BH

Lab Sample ID: 140-28013-2

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:41 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0381 QC CB OTM-45 PBT CONDENSATE

Lab Sample ID: 140-28013-3

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 21:11 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0383 QC CB OTM-45 PBT BREAKTHROUGH XAD-2

Lab Sample ID: 140-28013-4

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:50 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0384 QC CB OTM-45 DI WATER RB

Lab Sample ID: 140-28013-5

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 21:20 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: T-0385 QC CB OTM-45 MEOH/5%NH4OH RB

Lab Sample ID: 140-28013-6

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:59 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0386, T-0387 QC CB OTM-45 FBT FH

Lab Sample ID: 140-28013-7

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 69 mL | 63294 | 07/11/22 08:23 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 35 mL | 10 mL | 63332 | 07/12/22 07:29 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63372 | 07/12/22 17:47 | CAC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH

Lab Sample ID: 140-28013-8

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 06:07 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0390 QC CB OTM-45 CONDENSATE

Lab Sample ID: 140-28013-9

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 21:29 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: T-0392 QC CB OTM-45 BREAKTHROUGH XAD-2

Lab Sample ID: 140-28013-10

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 06:16 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: MEDIA CHECK FILTER

Lab Sample ID: 140-28013-11

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63294 | 07/11/22 08:23 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63332 | 07/12/22 07:29 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63372 | 07/12/22 17:56 | CAC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: MEDIA CHECK XAD

Lab Sample ID: 140-28013-12

Date Collected: 06/29/22 00:00

Matrix: Air

Date Received: 07/01/22 14:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 06:42 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63110/14-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 05:06 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63110/1-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63276 | 07/10/22 21:08 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63111/1-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:25 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: Method Blank

Lab Sample ID: MB 140-63294/1-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63294 | 07/11/22 08:23 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63332 | 07/12/22 07:29 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63372 | 07/12/22 17:12 | CAC | TAL KNX |

Instrument ID: LCA

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63110/2-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 02:42 | JRC | TAL KNX |

Instrument ID: LCA

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63111/2-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:34 | JRC | TAL KNX |

Instrument ID: LCA

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-63294/2-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63294 | 07/11/22 08:23 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63332 | 07/12/22 07:29 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63372 | 07/12/22 17:20 | CAC | TAL KNX |

Instrument ID: LCA

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63110/3-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 360 mL | 63110 | 07/02/22 06:10 | DWS | TAL KNX |
| Total/NA | Cleanup | Split | | | 180 mL | 10 mL | 63161 | 07/06/22 09:24 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63274 | 07/10/22 03:09 | JRC | TAL KNX |

Instrument ID: LCA

Eurofins Knoxville

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63111/3-A

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | PFAS Prep | | | 1 Sample | 10 mL | 63111 | 07/02/22 08:09 | DWS | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63113 | 07/02/22 19:43 | JRC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 140-63294/3-B

Date Collected: N/A

Matrix: Air

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|--------------------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | None | | | 1 Sample | 50 mL | 63294 | 07/11/22 08:23 | CAC | TAL KNX |
| Total/NA | Cleanup | Split | | | 25 mL | 10 mL | 63332 | 07/12/22 07:29 | CAC | TAL KNX |
| Total/NA | Analysis | 537 (modified) | | 1 | | | 63372 | 07/12/22 17:29 | CAC | TAL KNX |
| Instrument ID: LCA | | | | | | | | | | |

Laboratory References:

TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
 Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

Laboratory: Eurofins Knoxville

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

| Authority | Program | Identification Number | Expiration Date |
|------------------------|-----------------------|-----------------------|-----------------|
| | AFCEE | N/A | |
| ANAB | Dept. of Defense ELAP | L2311 | 02-13-25 |
| ANAB | Dept. of Energy | L2311.01 | 02-13-25 |
| ANAB | ISO/IEC 17025 | L2311 | 02-13-25 |
| Arkansas DEQ | State | 88-0688 | 06-17-22 * |
| California | State | 2423 | 06-30-22 * |
| Colorado | State | TN00009 | 02-28-23 |
| Connecticut | State | PH-0223 | 09-30-23 |
| Florida | NELAP | E87177 | 06-30-23 |
| Georgia (DW) | State | 906 | 12-11-22 |
| Hawaii | State | NA | 12-11-22 |
| Kansas | NELAP | E-10349 | 10-31-22 |
| Kentucky (DW) | State | 90101 | 12-31-22 |
| Louisiana | NELAP | 83979 | 06-30-23 |
| Louisiana (All) | NELAP | 83979 | 06-30-23 |
| Louisiana (DW) | State | LA019 | 12-31-22 |
| Maryland | State | 277 | 03-31-23 |
| Michigan | State | 9933 | 12-11-22 |
| Nevada | State | TN00009 | 07-31-22 |
| New Hampshire | NELAP | 299919 | 01-17-23 |
| New Jersey | NELAP | TN001 | 06-30-23 |
| New York | NELAP | 10781 | 03-31-23 |
| North Carolina (DW) | State | 21705 | 07-31-22 |
| North Carolina (WW/SW) | State | 64 | 12-31-22 |
| Ohio VAP | State | CL0059 | 06-02-23 |
| Oklahoma | State | 9415 | 08-31-22 |
| Oregon | NELAP | TNI0189 | 12-31-22 |
| Pennsylvania | NELAP | 68-00576 | 12-31-22 |
| Tennessee | State | 02014 | 12-11-22 |
| Texas | NELAP | T104704380-18-12 | 08-31-22 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-22 |
| USDA | US Federal Programs | P330-19-00236 | 07-13-22 |
| Utah | NELAP | TN00009 | 07-31-22 |
| Virginia | NELAP | 460176 | 09-14-22 |
| Washington | State | C593 | 01-19-23 |
| West Virginia (DW) | State | 9955C | 12-31-22 |
| West Virginia DEP | State | 345 | 04-30-23 |
| Wisconsin | State | 998044300 | 08-31-22 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

| Method | Method Description | Protocol | Laboratory |
|----------------|---------------------------------|----------|------------|
| 537 (modified) | Fluorinated Alkyl Substances | EPA | TAL KNX |
| None | Leaching Procedure | TAL SOP | TAL KNX |
| None | Leaching Procedure for Filter | TAL SOP | TAL KNX |
| PFAS Prep | Preparation, Direct Inject PFAS | TAL-SAC | TAL KNX |
| Split | Source Air Split | None | TAL KNX |

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TAL-SAC = Eurofins Sacramento, Facility Standard Operating Procedure.

Laboratory References:

TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: The Chemours Company FC, LLC
Project/Site: VEN Q2 FIELD QC

Job ID: 140-28013-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--|--------|----------------|----------------|
| 140-28013-1 | T-0377, T-0378 QC CB OTM-45 PBT FH | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-2 | T-0379, T-0380, T-0382 QC CB OTM-45 PBT BH | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-3 | T-0381 QC CB OTM-45 PBT CONDENSATE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-4 | T-0383 QC CB OTM-45 PBT BREAKTHROUGH XAD-2 | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-5 | T-0384 QC CB OTM-45 DI WATER RB | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-6 | T-0385 QC CB OTM-45 MEOH/5%NH4OH RB | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-7 | T-0386, T-0387 QC CB OTM-45 FBT FH | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-8 | T-0388, T-0389, T-0391 QC CB OTM-45 FBT BH | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-9 | T-0390 QC CB OTM-45 CONDENSATE | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-10 | T-0392 QC CB OTM-45 BREAKTHROUGH XAD-2 | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-11 | MEDIA CHECK FILTER | Air | 06/29/22 00:00 | 07/01/22 14:00 |
| 140-28013-12 | MEDIA CHECK XAD | Air | 06/29/22 00:00 | 07/01/22 14:00 |



Request for Analysis/Chain-of-Custody – RFA/COC #003
The Chemours Company – Fayetteville NC
Carbon Bed Field QC Samples



Environment Testing
America

| | |
|--------------------------------|--|
| Project Identification: | Chemours Emissions Test |
| Client Name: | The Chemours Company FC, LLC |
| Client Contact: | Christel Compton Office: (910) 678-1213 Cell: (910) 975-3386 |
| TestAmerica Project Manager: | Courtney Adkins Office: (865) 291-3019 |
| TestAmerica Program Manager: | Billy Anderson Office: (865) 291-3080 Cell: (865) 206-9004 |

| | |
|--|--------------------------|
| Laboratory Deliverable Turnaround Requirements: | |
| Analytical Due Date: (Review-Released Data) | 21 Days from Lab Receipt |
| Data Package Due Date: | 28 Days from Lab Receipt |

Analytical Testing QC Requirements:
 The Legend for ProjecB- Specific Quality Control Testing is designated in the "QC" column as follows: "BT" = Blank Train, "RB" = Reagent Blank, "MS" = Matrix Spike, "MSD" = Matrix Spike Duplicate, "DUP" = Duplicate, "PB" = Proof Blank, "TB" = Trip Blank

| | |
|--------------------------------|--|
| Laboratory Destination: | Eurofins TestAmerica 5815 Middlebrook Pike Knoxville, TN 37921 |
| Lab Phone Number: | 865.291.3000 |
| Courier: | Hand Deliver |

Project Deliverables:
 Report analytical results on TALS Report form Std_Tal_L4. Include "Field Sample Number", "Sample Type", and "Run Number" on all TALS Reports.

| | | |
|--|--|-----------------------------------|
| Analytical Parameter: | Holding Time Requirements: | Preservation Requirements: |
| HFPO-DA (CAS No. 13252-13-6) & PFOA (CAS No. 335-67-1) | 28 Days to Extraction; 28 Days to Analysis | Cool, 4°C |

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|--------------------------------------|-------------------------|---------------------------|--|--|
| T-0377 QC CB OTM-45 Tared Particulate Filter PBT (Combine with T-0378) | QC | 6/29/22 8/29/22 PSG | Proof Blank Train | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0399 QC CB OTM-45 Acetone Probe Rinse PBT | QC | 6/29/22 N/A | Proof Blank Train | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |



140-28013 Chain of Custody

Request for Analysis/Chain-of-Custody – RFA/COC #003
 The Chemours Company – Fayetteville NC
 Carbon Bed Field QC Samples



Environment Testing
 America

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|--------------------------------|--|--|
| T-0378 QC CB OTM-45 FH of Filter Holder & Probe MeOH Rinse PBT (Combine with T-0377) | QC | 6/29/22 | Proof Blank Train | 250 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Proof Blank Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Filter extraction. |
| T-0379 QC CB OTM-45 XAD-2 Resin Tube PBT | QC | 6/29/22 | Proof Blank Train | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Proof Blank Train HFPO-DA Analysis | Knoxville: Spike sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA. |
| T-0380 QC CB OTM-45 BH of Filter Holder & Coil Condenser MeOH Rinse PBT (Combine with T-0379) | QC | 6/29/22 | Proof Blank Train | 250 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Proof Blank Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. Analyze for HFPO-DA. |
| T-0381 QC CB OTM-45 Impingers 1,2 & 3 Condensate PBT | QC | 6/29/22 | Proof Blank Train | 1 Liter HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Proof Blank Train HFPO-DA Analysis | Knoxville: Analyze for HFPO-DA. |
| T-0382 QC CB OTM-45 Impinger Glassware MeOH Rinse PBT (Combine with T-0379) | QC | 6/29/22 | Proof Blank Train | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Proof Blank Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |

Request for Analysis/Chain-of-Custody – RFA/COC #003
 The Chemours Company – Fayetteville NC
 Carbon Bed Field QC Samples



Environment Testing
 America

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|--|---------|------------------------|-------------------------|-------------------------------|--|--|
| T-0383 QC CB OTM-45 Breakthrough XAD-2 Resin Tube PBT | QC | 6/29/22 | Proof Blank Train | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Proof Blank Train HFPO-DA Analysis | Knoxville: Spike sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA. |
| T-0384 QC CB OTM-45 DI Water RB | QC | 6/29/22 | Reagent Blank | 250 mL HDPE Wide-Mouth Bottle | Deionized (DI) Water Reagent Blank OTM-45 Reagent Blank HFPO-DA Analysis | Knoxville: Analyze for HFPO-DA. |
| T-0385 QC CB OTM-45 MeOH with 5% NH ₄ OH RB | QC | 6/29/22 | Reagent Blank | 250 mL HDPE Wide-Mouth Bottle | Methanol with 5% NH ₄ OH Reagent Blank OTM-45 Reagent Blank HFPO-DA Analysis | Knoxville: Analyze for HFPO-DA. |
| T-0386 QC CB OTM-45 Tared Particulate Filter FBT (Combine with T-0387) | QC | 6/29/22 | Field Blank Train | Petri Dish | Tared Particulate Filter (82.6 mm Whatman Glass Microfiber) OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Determine Particulate by performing replicate weights until a constant weight is achieved. Spike sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Front-Half Probe Rinse to assist the solvent extraction of the Particulate Filter sample. Analyze for HFPO-DA using method 8321A-HFPO. Determine Particulate by performing replicate weights until a constant weight is achieved. |
| T-0400 QC CB OTM-45 Acetone Probe Rinse FBT | | N/A | Field Blank Train | 250 mL Amber Boston Round | Acetone Probe Rinse OTM-45 / Method 5 Train HFPO-DA / Particulate Analysis | Knoxville: Evaporate sample to dryness in an oven at 105°C. Determine Particulate by performing replicate weights until a constant weight is achieved. Reconstitute residue with MeOH/5% NH ₄ OH solution and combine with Front-Half Probe Rinse and Particulate Filter before extraction. |

Request for Analysis/Chain-of-Custody – RFA/COC #003
 The Chemours Company – Fayetteville NC
 Carbon Bed Field QC Samples



Environment Testing
 America

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|--------------------------------|--|--|
| T-0387 QC CB OTM-45 FH of Filter Holder & Probe MeOH Rinse FBT (Combine with T-0386) | QC | 6/29/22 | Field Blank Train | 250 mL HDPE Wide-Mouth Bottle | Front Half of Filter Holder & Probe Methanol/5% Ammonium Hydroxide Rinse OTM-45 Field Blank Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the Filter extraction. |
| T-0388 QC CB OTM-45 XAD-2 Resin Tube FBT | QC | 6/29/22 | Field Blank Train | XAD-2 Resin Tube | XAD-2 Resin Tube OTM-45 Field Blank Train HFPO-DA Analysis | Knoxville: Spike sample with the Isotope Dilution Internal Standard (IDIS) at the regular level. Use the Back-Half Glassware Rinse and the Impinger Glassware Methanol Rinse to assist the solvent extraction of the XAD-2 resin sample. Analyze for HFPO-DA. |
| T-0389 QC CB OTM-45 BH of Filter Holder & Coil Condenser MeOH Rinse FBT (Combine with T-0388) | QC | 6/29/22 | Field Blank Train | 250 mL HDPE Wide-Mouth Bottle | Back Half of Filter Holder & Coil Condenser Methanol/5% Ammonium Hydroxide Rinse OTM-45 Field Blank Train HFPO-DA Analysis | Knoxville: Use this solvent sample and the Impinger Glassware Methanol Rinse in the XAD-2 Resin extraction. Analyze for HFPO-DA. |
| T-1602 QC CB OTM-45 Impingers 1,2 & 3 Condensate FBT | QC | 6/29/22 | Field Blank Train | 1 Liter HDPE Wide-Mouth Bottle | Impinger #1, #2 & #3 Condensate OTM-45 Field Blank Train HFPO-DA Analysis | Knoxville: Analyze for HFPO-DA. |
| T-0391 QC CB OTM-45 Impinger Glassware MeOH Rinse FBT (Combine with T-0388) | QC | 6/29/22 | Field Blank Train | 250 mL HDPE Wide-Mouth Bottle | Impinger Glassware Methanol/5% Ammonium Hydroxide Rinse OTM-45 Field Blank Train HFPO-DA Analysis | Knoxville: Use this solvent sample in the XAD-2 Resin Extraction. |

Request for Analysis/Chain-of-Custody – RFA/COC #003
 The Chemours Company – Fayetteville NC
 Carbon Bed Field QC Samples



Environment Testing
 America

| Field Sample No./Sample Coding ID | Run No. | Sample Collection Date | Project QC Requirements | Sample Bottle/ Container | Sample Type/Analysis | Analytical Specifications |
|---|---------|------------------------|-------------------------|--------------------------|---|---|
| T-0392 QC CB OTM-45 Breakthrough XAD-2 Resin Tube FBT | QC | 6/29/22 | Field Blank Train | XAD-2 Resin Tube | Breakthrough XAD-2 Resin Tube OTM-45 Field Blank Train HFPO-DA Analysis | Knoxville: Spike sample with the Isotope Dilution Internal Standard (IDIS) at the regular level and perform the regular XAD-2 Resin Extraction. Analyze for HFPO-DA. |

- 1
- 2
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Sample Receipt Log and Condition of the Samples Upon Receipt:

Please fill in the following information:

Comments

(Please write "NONE" if no comment applicable)

- (1) Record the identities of any samples that were listed on the RFA but were not found in the sample shipment.
- (2) Record the sample shipping cooler temperature of all coolers transporting samples listed on this RFA:
- (3) Record any aQ2rent sample loss/breakage.
- (4) Record any unidentified samples transported with this shipment of samples:
- (5) Indicate if all samples were received according to the project's required specifications (i.e. no nonconformances):

Custody Transfer:

| | | | |
|------------------|------------------------|-----------------|---------------------|
| Relinquished By: | <i>Pat May</i> | <i>Alliance</i> | <i>6/30/22/2000</i> |
| | Name | Company | Date/Time |
| Accepted By: | <i>Wm. C. Anderson</i> | <i>Eurofins</i> | <i>6/30/22/2000</i> |
| | Name | Company | Date/Time |
| Relinquished By: | <i>Wm. C. Anderson</i> | <i>Eurofins</i> | <i>7/1/22/1400</i> |
| | Name | Company | Date/Time |
| Accepted By: | <i>[Signature]</i> | <i>ETA Inc</i> | <i>7/1/22 1400</i> |
| | Name | Company | Date/Time |
| Relinquished By: | | | |
| | Name | Company | Date/Time |
| Accepted By: | | | |
| | Name | Company | Date/Time |
| Relinquished By: | | | |
| | Name | Company | Date/Time |
| Accepted By: | | | |
| | Name | Company | Date/Time |

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

| Review Items | Yes | No | NA | If No, what was the problem? | Comments/Actions Taken |
|---|-----|----|----|---|--|
| 1. Are the shipping containers intact? | | | | <input type="checkbox"/> Containers, Broken | |
| 2. Were ambient air containers received intact? | | | | <input type="checkbox"/> Checked in lab | |
| 3. The coolers/containers custody seal if present, is it intact? | | | | <input type="checkbox"/> Yes <input type="checkbox"/> NA | |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID : <u>SC73</u> Correction factor: <u>±0.1</u> | | | | <input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt | |
| 5. Were all of the sample containers received intact? | | | | <input type="checkbox"/> Containers, Broken | |
| 6. Were samples received in appropriate containers? | | | | <input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel | Loc: 140 28013 |
| 7. Do sample container labels match COC? (IDs, Dates, Times) | | | | <input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received | |
| 8. Were all of the samples listed on the COC received? | | | | <input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received | |
| 9. Is the date/time of sample collection noted? | | | | <input type="checkbox"/> COC; No Date/Time; Client Contacted | Labeling Verified by: _____ Date: _____ |
| 10. Was the sampler identified on the COC? | | | | <input type="checkbox"/> Sampler Not Listed on COC | |
| 11. Is the client and project name/# identified? | | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 12. Are tests/parameters listed for each sample? | | | | <input type="checkbox"/> COC No tests on COC | pH test strip lot number: _____ |
| 13. Is the matrix of the samples noted? | | | | <input type="checkbox"/> COC Incorrect/Incomplete | |
| 14. Was COC relinquished? (Signed/Dated/Timed) | | | | <input type="checkbox"/> COC Incorrect/Incomplete | Box 16A: pH Preservation Box 18A: Residual Chlorine |
| 15. Were samples received within holding time? | | | | <input type="checkbox"/> Holding Time - Receipt | Preservative: _____ |
| 16. Were samples received with correct chemical preservative (excluding Encore)? | | | | <input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative | Lot Number: _____ Exp Date: _____ Analyst: _____ |
| 17. Were VOA samples received without headspace? | | | | <input type="checkbox"/> Headspace (VOA only) <input type="checkbox"/> Residual Chlorine | Date: _____ Time: _____ |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____ | | | | | |
| 19. For 1613B water samples is pH<9? | | | | <input type="checkbox"/> If no, notify lab to adjust | |
| 20. For rad samples was sample activity info. Provided? | | | | <input type="checkbox"/> Project missing info | |
| Project #: _____ PM Instructions: _____ | | | | | |

Sample Receiving Associate: _____

Date: _____

QA026R32.doc, 062719



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 140-28013-1

Login Number: 28013

List Source: Eurofins Knoxville

List Number: 1

Creator: Adkins, Courtney M


| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | | |
| The cooler's custody seal, if present, is intact. | | |
| Sample custody seals, if present, are intact. | | |
| The cooler or samples do not appear to have been compromised or tampered with. | | |
| Samples were received on ice. | | |
| Cooler Temperature is acceptable. | | |
| Cooler Temperature is recorded. | | |
| COC is present. | | |
| COC is filled out in ink and legible. | | |
| COC is filled out with all pertinent information. | | |
| Is the Field Sampler's name present on COC? | | |
| There are no discrepancies between the containers received and the COC. | | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | | |
| Sample containers have legible labels. | | |
| Containers are not broken or leaking. | | |
| Sample collection date/times are provided. | | |
| Appropriate sample containers are used. | | |
| Sample bottles are completely filled. | | |
| Sample Preservation Verified. | | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | | |
| Multiphasic samples are not present. | | |
| Samples do not require splitting or compositing. | | |
| Residual Chlorine Checked. | | |



Appendix D

Location Chemours Company - Fayetteville Works Facility, NC
 Source VEN Carbon Bed Inlet
 Project No. 2022-2345
 Parameter HFPO-DA

| Date | Nozzle ID | Nozzle Diameter (in.) | | | Dn (Average) | Difference | Criteria | Material |
|------------------------|--------------------------|------------------------------|----------------------------|---------------------------------|--------------------------|--------------|-------------|----------|
| | | #1 | #2 | #3 | | | | |
| 6/28/22 | G-5 | 0.260 | 0.260 | 0.260 | 0.260 | 0.000 | ≤ 0.004 in. | glass |
| Date | Pitot ID | Evidence of damage? | Evidence of mis-alignment? | Calibration or Repair required? | | | | |
| 6/28/22 | P4-1 | no | no | no | | | | |
| Date | Probe or Thermocouple ID | Reference Temp. (°F) | Indicated Temp. (°F) | Difference | Criteria | Probe Length | | |
| 6/29/22 | TC 7D | 78.0 | 78.0 | 0.0% | ± 1.5 % (absolute) | -- | | |
| Field Balance Check | | | | | | | | |
| Date | 06/28/22 | 06/29/22 | 06/30/22 | | | | | |
| Balance ID: | MyWeigh 5500 | MyWeigh 5500 | MyWeigh 5500 | | | | | |
| Test Weight ID: | SYR-1 | SYR-1 | SYR-1 | | | | | |
| Certified Weight (g): | 1000.0 | 1000.0 | 1000.0 | | | | | |
| Measured Weight (g): | 999.7 | 999.8 | 999.8 | | | | | |
| Weight Difference (g): | 0.3 | 0.2 | 0.2 | -- | -- | -- | | |
| Date | Barometric Pressure | Evidence of damage? | Reading Verified | Calibration or Repair required? | Weather Station Location | | | |
| 6/29/22 | Weather Station | NA | NA | NA | Fayetteville, NC | | | |
| Date | Meter Box ID | Positive Pressure Leak Check | | | | | | |
| 6/29/22 | MB #7 | Pass | | | | | | |
| Reagent | Lot# | Field Prep performed | Field Lot | Date | By | | | |
| DiH2O | TA/Eurofins | No | NA | NA | NA | | | |
| Methanol/Ammonia Mix | TA/Eurofins | No | NA | NA | NA | | | |

| | | | |
|---|---------------------------------|----------------|---------|
|  | DGM Calibration-Orifices | Document ID | 620.004 |
| | | Revision | 20.1 |
| | | Effective Date | 10/5/20 |
| Issuing Department | Tech Services | Page | 1 of 1 |

Equipment Detail - Dry Gas Meter

Console ID: 7
 Meter S/N: OBG032014
 Critical Orifice S/N: 1393

Calibration Detail

| | | | | | | | |
|--|---------|--------------|---------|---------|---------|---------|--|
| Initial Barometric Pressure, in. Hg (P _b) | | 29.81 | | | | | |
| Final Barometric Pressure, in. Hg (P _b) | | 29.81 | | | | | |
| Average Barometric Pressure, in. Hg (P _b) | | 29.81 | | | | | |
| Critical Orifice ID (Y) | 18 | 18 | 16 | 16 | 26 | 26 | |
| K' Factor, ft ³ ·R ^{1/2} / in. WC·min (K') | 0.4961 | 0.4961 | 0.4268 | 0.4268 | 0.7131 | 0.7131 | |
| Vacuum Pressure, in. Hg (V _p) | 20.0 | 20.0 | 21.0 | 21.0 | 17.0 | 17.0 | |
| Initial DGM Volume, ft ³ (V _m) | 739.041 | 748.700 | 758.364 | 771.352 | 711.005 | 724.940 | |
| Final DGM Volume, ft ³ (V _m) | 748.700 | 758.364 | 766.777 | 779.777 | 724.940 | 738.914 | |
| Total DGM Volume, ft ³ (V _m) | 9.659 | 9.664 | 8.413 | 8.425 | 13.935 | 13.974 | |
| Ambient Temperature, °F (T _a) | 54 | 54 | 55 | 55 | 55 | 55 | |
| Initial DGM Temperature, °F (T _m) | 57 | 57 | 57 | 57 | 57 | 58 | |
| Final DGM Temperature, °F (T _m) | 57 | 57 | 57 | 57 | 58 | 58 | |
| Average DGM Temperature, °F (T _m) | 57 | 57 | 57 | 57 | 58 | 58 | |
| Elapsed Time (Θ) | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | |
| Meter Orifice Pressure, in. WC (ΔH) | 1.30 | 1.30 | 1.00 | 1.00 | 2.90 | 2.90 | |
| Standard Meter volume, ft ³ (V _{mstd}) | 9.8617 | 9.8668 | 8.5832 | 8.5955 | 14.2696 | 14.2958 | |
| Standard Critical Orifice Volume, ft ³ (V _{cr}) | 9.7875 | 9.7875 | 8.4121 | 8.4121 | 14.0550 | 14.0550 | |
| Meter Correction Factor (Y) | 0.992 | 0.992 | 0.980 | 0.979 | 0.985 | 0.983 | |
| Tolerance | -- | 0.007 | 0.005 | 0.007 | 0.000 | 0.002 | |
| Orifice Calibration Value (ΔH @) | 1.754 | 1.754 | 1.825 | 1.825 | 1.903 | 1.901 | |
| Tolerance | -- | 0.073 | 0.073 | 0.002 | 0.076 | 0.074 | |
| Orifice Cal Check | -- | 1.31 | | 1.30 | | 0.82 | |
| Meter Correction Factor (Y) | | 0.985 | | | | | |
| Orifice Calibration Value (ΔH @) | | 1.827 | | | | | |
| Positive Pressure Leak Check | | Yes | | | | | |

Equipment Detail - Thermocouple Sensor

Reference Calibrator Make: Altek
 Reference Calibrator Model: Series 22
 Reference Calibrator S/N: 8475031

Calibration Detail


| Reference Temp. | | Display Temp. | | Accuracy | Difference |
|-----------------|-------|---------------|-------|----------|------------|
| °F | °R | °F | °R | % | °F |
| 0 | 460 | 0 | 460 | 0.0 | 0 |
| 100 | 560 | 100 | 560 | 0.0 | 0 |
| 300 | 760 | 300 | 760 | 0.0 | 0 |
| 400 | 860 | 401 | 861 | -0.1 | 1 |
| 500 | 960 | 500 | 960 | 0.0 | 0 |
| 600 | 1,060 | 598 | 1,058 | 0.2 | 2 |
| 700 | 1,160 | 700 | 1,160 | 0.0 | 0 |
| 800 | 1,260 | 798 | 1,258 | 0.2 | 2 |
| 900 | 1,360 | 901 | 1,361 | -0.1 | 1 |
| 1,000 | 1,460 | 999 | 1,459 | 0.1 | 1 |

Personnel

Calibration By: Jeffrey Sheldon
 Calibration Date: 1/19/2022
 Expiration Date: 7/19/2022

Location Chemours Company - Fayetteville Works Facility, NC
 Source VEN Carbon Bed Outlet
 Project No. 2022-2345
 Parameter HFPO-DA

| Date | Nozzle ID | Nozzle Diameter (in.) | | | Dn (Average) | Difference | Criteria | Material |
|------------------------|--------------------------|------------------------------|----------------------------|---------------------------------|--------------------------|--------------|-------------|----------|
| | | #1 | #2 | #3 | | | | |
| 6/28/22 | G-4 | 0.255 | 0.255 | 0.258 | 0.256 | 0.003 | ≤ 0.004 in. | glass |
| Date | Pitot ID | Evidence of damage? | Evidence of mis-alignment? | Calibration or Repair required? | | | | |
| 6/28/22 | P4-2 | no | no | no | | | | |
| Date | Probe or Thermocouple ID | Reference Temp. (°F) | Indicated Temp. (°F) | Difference | Criteria | Probe Length | | |
| 6/29/22 | TC-5D | 78.0 | 79.0 | 0.2% | ± 1.5 % (absolute) | 5' | | |
| Field Balance Check | | | | | | | | |
| Date | 06/28/22 | 06/29/22 | 06/30/22 | | | | | |
| Balance ID: | MyWeigh 5500 | MyWeigh 5500 | MyWeigh 5500 | | | | | |
| Test Weight ID: | SYR-1 | SYR-1 | SYR-1 | | | | | |
| Certified Weight (g): | 1000.0 | 1000.0 | 1000.0 | | | | | |
| Measured Weight (g): | 999.7 | 999.8 | 999.8 | | | | | |
| Weight Difference (g): | 0.3 | 0.2 | 0.2 | -- | -- | -- | | |
| Date | Barometric Pressure | Evidence of damage? | Reading Verified | Calibration or Repair required? | Weather Station Location | | | |
| 6/29/22 | Weather Station | NA | NA | NA | Fayetteville, NC | | | |
| Date | Meter Box ID | Positive Pressure Leak Check | | | | | | |
| 6/28/22 | MB #10 | Pass | | | | | | |
| Reagent | Lot# | Field Prep performed | Field Lot | Date | By | | | |
| DiH2O | TA/Eurofins | No | NA | NA | NA | | | |
| Methanol/Ammonia Mix | TA/Eurofins | No | NA | NA | NA | | | |

| | | | |
|---|---------------------------------|----------------|---------|
|  | DGM Calibration-Orifices | Document ID | 620.004 |
| | | Revision | 20.1 |
| Issuing Department | Tech Services | Effective Date | 10/5/20 |
| | | Page | 1 of 1 |

Equipment Detail - Dry Gas Meter

Console ID: MB 10
 Meter S/N: 13858011
 Critical Orifice S/N: 1393

Calibration Detail

| | | | | | | | |
|--|----|--------------|---------|---------|---------|---------|---------|
| Initial Barometric Pressure, in. Hg (P _b) | | 30.09 | | | | | |
| Final Barometric Pressure, in. Hg (P _{bF}) | | 30.09 | | | | | |
| Average Barometric Pressure, in. Hg (P _b) | | 30.09 | | | | | |
| Critical Orifice ID (Y) | | 11 | 11 | 18 | 18 | 31 | 31 |
| K' Factor, ft ³ ·R ^{1/2} / in. WC·min (K') | | 0.3060 | 0.306 | 0.4961 | 0.496 | 0.8358 | 0.836 |
| Vacuum Pressure, in. Hg (V _p) | | 24.0 | 24.0 | 21.0 | 21.0 | 16.5 | 16.5 |
| Initial DGM Volume, ft ³ (V _{mI}) | | 146.828 | 152.790 | 134.0 | 140.395 | 101.649 | 121.176 |
| Final DGM Volume, ft ³ (V _{mF}) | | 152.790 | 158.768 | 140.395 | 146.828 | 112.508 | 132.021 |
| Total DGM Volume, ft ³ (V _m) | | 5.962 | 5.978 | 6.424 | 6.433 | 10.859 | 10.845 |
| Ambient Temperature, °F (T _a) | | 69 | 69 | 68 | 68 | 69 | 66 |
| Initial DGM Temperature, °F (T _{mI}) | | 70 | 71 | 70 | 70 | 70 | 69 |
| Final DGM Temperature, °F (T _{mF}) | | 71 | 71 | 70 | 70 | 71 | 70 |
| Average DGM Temperature, °F (T _m) | | 71 | 71 | 70 | 70 | 71 | 70 |
| Elapsed Time (Θ) | | 15.00 | 15.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| Meter Orifice Pressure, in. WC (ΔH) | | 0.46 | 0.46 | 1.20 | 1.20 | 3.60 | 3.60 |
| Standard Meter volume, ft ³ (V _{mstd}) | | 5.9754 | 5.9858 | 6.4562 | 6.4652 | 10.9669 | 10.9734 |
| Standard Critical Orifice Volume, ft ³ (V _{cr}) | | 6.0067 | 6.0067 | 6.4983 | 6.4983 | 10.9376 | 10.9688 |
| Meter Correction Factor (Y) | | 1.005 | 1.003 | 1.007 | 1.005 | 0.997 | 1.000 |
| Tolerance | -- | 0.002 | 0.001 | 0.004 | 0.002 | 0.006 | 0.003 |
| Orifice Calibration Value (ΔH @) | | 1.617 | 1.616 | 1.606 | 1.606 | 1.710 | 1.703 |
| Tolerance | -- | 0.026 | 0.027 | 0.037 | 0.037 | 0.066 | 0.060 |
| Orifice Cal Check | -- | 0.59 | | 0.74 | | 0.73 | |
| Meter Correction Factor (Y) | | 1.003 | | | | | |
| Orifice Calibration Value (ΔH @) | | 1.643 | | | | | |
| Positive Pressure Leak Check | | Yes | | | | | |

Equipment Detail - Thermocouple Sensor

Reference Calibrator Make: Altek
 Reference Calibrator Model: Series 32
 Reference Calibrator S/N: 8475031

Calibration Detail

| Reference Temp. | | Display Temp. | | Accuracy | Difference |
|-----------------|-------|---------------|-------|----------|------------|
| °F | °R | °F | °R | % | °F |
| 0 | 460 | 2 | 462 | -0.4 | 2 |
| 100 | 560 | 102 | 562 | -0.4 | 2 |
| 300 | 760 | 304 | 764 | -0.5 | 4 |
| 400 | 860 | 401 | 861 | -0.1 | 1 |
| 500 | 960 | 501 | 961 | -0.1 | 1 |
| 600 | 1,060 | 604 | 1,064 | -0.4 | 4 |
| 700 | 1,160 | 704 | 1,164 | -0.3 | 4 |
| 800 | 1,260 | 805 | 1,265 | -0.4 | 5 |
| 900 | 1,360 | 904 | 1,364 | -0.3 | 4 |
| 1,000 | 1,460 | 1,005 | 1,465 | -0.3 | 5 |
| 1,100 | 1,560 | 1,104 | 1,564 | -0.3 | 4 |
| 1,200 | 1,660 | 1,203 | 1,663 | -0.2 | 3 |

Personnel

Calibration By: Antonio Anderson
 Calibration Date: 3/3/2022
 Expiration Date: 6/3/2022

Appendix E

Summary of Vinyl Ethers North Operations Data

| 6/29/2022 | | | | | | | | | |
|-------------------------|-----|-----------------|------|------|--|--|--|--|--|
| Date | 800 | 900 | 1000 | 1100 | | | | | |
| Stack Testing | | Run 1: 831-1025 | | | | | | | |
| VEN Product | | PPVE | | | | | | | |
| VEN Precursor | | | | | | | | | |
| VEN Condensation (HFPO) | | | | | | | | | |
| VEN ABR | | | | | | | | | |
| VEN Refining | | | | | | | | | |
| Stripper Column Vent | | | | | | | | | |

| 6/30/2022 | | | | | | | | | |
|-------------------------|------|------------------|------|------------------|------|------|--|--|--|
| Date | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | | | |
| Stack Testing | | Run 2: 1408-1601 | | Run 3: 1632-1826 | | | | | |
| VEN Product | | | | PPVE | | | | | |
| VEN Precursor | | | | | | | | | |
| VEN Condensation (HFPO) | | | | | | | | | |
| VEN ABR | | | | | | | | | |
| VEN Refining | | | | | | | | | |
| Stripper Column Vent | | | | | | | | | |

Last Page of Report