
Analytical Report

Air Sampling Fluorochemical Report

DuPont Washington Works – Air Sampling Program Round 8 12/11

Exygen Research Report No. L0001448

Testing Laboratory

Exygen Research
3058 Research Drive
State College, PA 16801

Requester

Michael D Aucoin
URS Corporation
Barley Mill Plaza
Building 27 Room 1260
Lancaster Pike and Rt 141
Wilmington, DE 19805

ALL DATA CONTAINED IN THIS REPORT WAS GENERATED BY OXYGEN RESEARCH

Summary

Seven solid media samples were received by Centre Analytical Laboratories, Inc. (dba Exygen Research) (Exygen) from DuPont Corporation. The media represent samples of air collected on OVS tubes. Please see Table 1 for a completed listing of samples received and field air volumes collected. Sample WWK-A-AMS6-E8 had sampler problems during collection. No results are reported for this sample.

The samples were analyzed for Perfluorooctanoic Acid (C8 Acid) using liquid chromatography / mass spectrometry (LCMS). The method employed is entitled "Method of Analysis for the Determination of Perfluorooctanoic Acid (PFOA) in OVS Airtubes by LCMS" (James Miller, Exygen Research, February 17, 2003).

The OVS tubes were separated into three fractions for specific fluorochemical analysis. Fraction A consisted of the filter, backing material and plastic ring. Fraction B contained the first bed of XAD resin and the PUF backing. Fraction C contained the second bed of XAD resin and PUF backing. Fractions A and B were extracted with 1 mL of methanol. Fraction C was not analyzed but saved for possible future analysis. Perfluorodecanoic Acid (C10 Acid) was added as a surrogate spike to each fraction prior to extraction.

Instrument operating conditions can be found at the beginning of each analytical run. Raw instrument data is given in Appendix A. Chain-of-custody information can be found in Appendix B.

Results Summary

Request #	Air Volume Sampled (L)	C8 Acid (mg/m ³)
WWK-A-AMS1-E8 A	1666	< 0.00006
WWK-A-AMS1-E8 B	1666	< 0.00006
WWK-A-AMS1-E8 C	1666	NA
WWK-A-AMS1-E8 (Total)		< 0.00012
WWK-A-AMS2-E8 A	1461	< 0.00007
WWK-A-AMS2-E8 B	1461	< 0.00007
WWK-A-AMS2-E8 C	1461	NA
WWK-A-AMS2-E8 (Total)		< 0.00014
WWK-A-AMS3-E8 A	1400	< 0.00007
WWK-A-AMS3-E8 B	1400	< 0.00007
WWK-A-AMS3-E8 C	1400	NA
WWK-A-AMS3-E8 (Total)		< 0.00014
WWK-A-AMS4-E8 A	1521	< 0.00007
WWK-A-AMS4-E8 B	1521	< 0.00007
WWK-A-AMS4-E8 C	1521	NA
WWK-A-AMS4-E8 (Total)		< 0.00014
WWK-A-AMS5-E8 A	1431	< 0.00007
WWK-A-AMS5-E8 B	1431	< 0.00007
WWK-A-AMS5-E8 C	1431	NA
WWK-A-AMS5-E8 (Total)		< 0.00014

$\frac{\mu\text{g}}{\text{m}^3}$
 <0.12
 <0.14
 <0.14
 <0.14
 <0.14

NA – Not Analyzed. B fraction was below the quantitation limit, therefore the backup fraction does not require analysis.

1. "<" is defined as not detected at or above the reported level.
2. Sample results have not been corrected for blank results or control spike recoveries.
3. Please note the following descriptions of the OVS sample tube fractions:

Fraction	Fraction Description
A	Frit Extract
B	1st set beads extract
C	2nd set beads extract (not analyzed)

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QC Data

LCS

Please note: One control sample was spiked with each perfluorooctanoic acid to give a final concentration of 500 ppb. Air was pulled through the tube at a rate of 1-liter per minute for one hour (60 liters of air). The fractions were separated and analyzed. The acceptable range for control recovery is 75-125%.

Request #	C8 Acid (amount spiked - ppb)	C8 Acid (amount recovered - ppb)	C8 Acid (percent recovery)
Control 1	500	435	87

Blanks

Request #	Vol. Of Air (L)	C8 Acid (ug/fraction)
WWK-A-AMSFBLK-E8 A	0	< 0.10
WWK-A-AMSFBLK-E8 B	0	< 0.10

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Surrogates

A surrogate spike (C10 Acid) was added to all OVS tubes to give a final concentration of 500 ppb in the extract. Surrogate spike recoveries are given in the following table. There are no set criteria for surrogate spike recoveries. Advisory ranges are 75-125%.

Sample #	Amount Spiked (ppb)	Amount Recovered (ppb)	Percent Recovery (%)
WWK-A-AMSFBLK-E8 A	500	454	91
WWK-A-AMSFBLK-E8 B	500	318	64*
WWK-A-AMS1-E8 A	500	434	87
WWK-A-AMS1-E8 B	500	253	51*
WWK-A-AMS2-E8 A	500	475	95
WWK-A-AMS2-E8 B	500	283	57*
WWK-A-AMS3-E8 A	500	502	100
WWK-A-AMS3-E8 B	500	269	54*
WWK-A-AMS4-E8 A	500	447	89
WWK-A-AMS4-E8 B	500	373	75
WWK-A-AMS5-E8 A	500	447	89
WWK-A-AMS5-E8 B	500	394	79
Control Spike A	500	437	87
Control Spike B	500	278	56*

* Surrogate recovery outside of advisory range.

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Calculations

Request #	Vol. Of Air (L)	C8 Acid (raw-ppb)	C8 Acid (ug/fraction)	C8 Acid (mg/m3)
WWK-A-AMSFBLK-E8 A	0	< 10	< 0.10	
WWK-A-AMSFBLK-E8 B	0	< 10	< 0.10	
WWK-A-AMS1-E8 A	1666	< 10	< 0.10	< 0.00006
WWK-A-AMS1-E8 B	1666	< 10	< 0.10	< 0.00006
WWK-A-AMS2-E8 A	1461	31	< 0.10	< 0.00007
WWK-A-AMS2-E8 B	1461	< 10	< 0.10	< 0.00007
WWK-A-AMS3-E8 A	1400	27	< 0.10	< 0.00007
WWK-A-AMS3-E8 B	1400	< 10	< 0.10	< 0.00007
WWK-A-AMS4-E8 A	1521	53	< 0.10	< 0.00007
WWK-A-AMS4-E8 B	1521	< 10	< 0.10	< 0.00007
WWK-A-AMS5-E8 A	1431	71	< 0.10	< 0.00007
WWK-A-AMS5-E8 B	1431	< 10	< 0.10	< 0.00007
Control Spike A	0	435	0.44	
Control Spike B	0	< 10	< 0.10	

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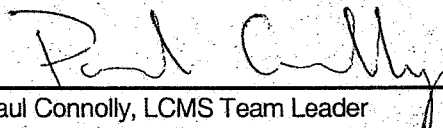
Example Calculation

For sample WWK-A-AMS2-E8 A C8 Acid,

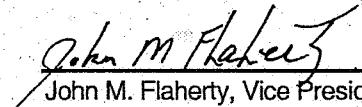
$$= \frac{[31 \text{ ng/ml of C8 Acid} \times (1 \text{ ml}) \times (1 \text{ ug} / 1000 \text{ ng}) \times (1 \text{ mg} / 1000 \text{ ug})]}{[(1461 \text{ L}) \times (1 \text{ m}^3 / 1000 \text{ L})]}$$

$$= < 0.00007 \text{ mg} / \text{m}^3$$

Signatures


Paul Connolly, LCMS Team Leader

2/25/04
Date


John M. Flaherty, Vice President

2/25/04
Date

Other Lab Members Contributing to Data

James Miller

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Table 1. Login Information / Field Data

Sample ID	Exygen Lab ID	Date Received	Description	Air Volume Sampled (L)
WWK-A-AMSFBLK-E8 A	L0001448-1	12/13/03	Frit extract	0
WWK-A-AMSFBLK-E8 B	L0001448-2	12/13/03	1st set beads extract	0
WWK-A-AMSFBLK-E8 C	L0001448-3	12/13/03	2nd set beads extract	0
WWK-A-AMS1-E8 A	L0001448-4	12/13/03	Frit extract	1666
WWK-A-AMS1-E8 B	L0001448-5	12/13/03	1st set beads extract	1666
WWK-A-AMS1-E8 C	L0001448-6	12/13/03	2nd set beads extract	1666
WWK-A-AMS2-E8 A	L0001448-7	12/13/03	Frit extract	1461
WWK-A-AMS2-E8 B	L0001448-8	12/13/03	1st set beads extract	1461
WWK-A-AMS2-E8 C	L0001448-9	12/13/03	2nd set beads extract	1461
WWK-A-AMS3-E8 A	L0001448-10	12/13/03	Frit extract	1400
WWK-A-AMS3-E8 B	L0001448-11	12/13/03	1st set beads extract	1400
WWK-A-AMS3-E8 C	L0001448-12	12/13/03	2nd set beads extract	1400
WWK-A-AMS4-E8 A	L0001448-13	12/13/03	Frit extract	1521
WWK-A-AMS4-E8 B	L0001448-14	12/13/03	1st set beads extract	1521
WWK-A-AMS4-E8 C	L0001448-15	12/13/03	2nd set beads extract	1521
WWK-A-AMS5-E8 A	L0001448-16	12/13/03	Frit extract	1431
WWK-A-AMS5-E8 B	L0001448-17	12/13/03	1st set beads extract	1431
WWK-A-AMS5-E8 C	L0001448-18	12/13/03	2nd set beads extract	1431
Control Spike A	L0001448-19	12/13/03	Frit extract	0
Control Spike B	L0001448-20	12/13/03	1st set beads extract	0
Control Spike C	L0001448-21	12/13/03	2nd set beads extract	0

Table 2. Chain of Custody

Sample ID	Date Collected	Date Received at Exygen	Date Extracted by Exygen	Date Analyzed by Exygen
WWK-A-AMSFBLK-E8 A	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMSFBLK-E8 B	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMSFBLK-E8 C	12/12/03	12/13/03	NA	NA
WWK-A-AMS1-E8 A	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS1-E8 B	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS1-E8 C	12/12/03	12/13/03	NA	NA
WWK-A-AMS2-E8 A	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS2-E8B	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS2-E8 C	12/12/03	12/13/03	NA	NA
WWK-A-AMS3-E8 A	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS3-E8 B	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS3-E8 C	12/12/03	12/13/03	NA	NA
WWK-A-AMS4-E8 A	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS4-E8 B	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS4-E8 C	12/12/03	12/13/03	NA	NA
WWK-A-AMS5-E8 A	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS5-E8 B	12/12/03	12/13/03	12/30/03	12/30 - 12/31/03
WWK-A-AMS5-E8 C	12/12/03	12/13/03	NA	NA
Control Spike A	NA	12/13/03	12/30/03	12/30 - 12/31/03
Control Spike B	NA	12/13/03	12/30/03	12/30 - 12/31/03
Control Spike C	NA	12/13/03	NA	NA



3058 Research Drive
State College, PA 16801

Event 8
Jan 12/16/03

Phone: 814-272-1039
Fax: 814-231-1580

Login

Login Group: L0001448

Login #: 1558
Project: P0000419
Project Storage:
Company Name: DuPont de Nemours & Co, Inc.
Submitted By: Michael D. Aucoin
Status: Unreceived
Login Type: Immediate Receipt of Samples
Started: T
Date Start: 12/15/2003
Due Date: 12/29/2003
Received Date: 12/13/2003
Received By: AMMERMAN, MARK
Spread Sample:
Label:
Project Title/Type: Analysis of PFOA in OVS Tubes / ROUTINE
Exygen SD/PI: MILLER, JAMES
Login Notes: As per Mike Aucoin--sample WWK-A-AMS6-E8 is cancelled.. MSA 12/15/03
Conform Notes:

Conform COC Sample: True
Conform COC: True
Conform Sample: True
Conform Request: True

Packages / Containers

Package	Carton	Mail Date / Condition	Shipper / ID	Temp. Control/Temp.	Direction / Handled By
BK0002039		12/13/2003 1:30:47PM Package & Contents Uncompromised	FEDEX 8363913019500200	None 23.3	RECEIVED AMMERMAN, MARK

Container #	Gross Weight	pH	Container Type	Preservative	Mfg. Lot	Mfg. ID
C0021141	7.1 g		Other	NONE		
C0021142	7.1 g		Other	NONE		
C0021143	7.1 g		Other	NONE		
C0021144	7.1 g		Other	NONE		
C0021145	7.1 g		Other	NONE		
C0021146	7.1 g		Other	NONE		
C0021147	7.2 g		Other	NONE		
C0021148	7.2 g		Other	NONE		
C0021149	7.2 g		Other	NONE		
C0021150	7.2 g		Other	NONE		
C0021151	7.2 g		Other	NONE		
C0021152	7.2 g		Other	NONE		
C0021153	7.1 g		Other	NONE		
C0021154	7.1 g		Other	NONE		
C0021155	7.1 g		Other	NONE		
C0021156	7.2 g		Other	NONE		
C0021157	7.2 g		Other	NONE		
C0021158	7.2 g		Other	NONE		
C0021159	7.1 g		Other	NONE		
C0021160	7.1 g		Other	NONE		
C0021161	7.1 g		Other	NONE		

ICOC

Miscellaneous

Item Key

None

Description



Samples

<u>Sample ID</u>	<u>Matrix</u>	<u>Fraction</u>	<u>Sample</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Date Due</u>
0001448-0001	GAS	OVS Tubes	WWK-A-AMSFBLK-E8 A	12/12/2003	12/13/2003	12/29/2003
0001448-0002	GAS	OVS Tubes	WWK-A-AMSFBLK-E8 B	12/12/2002	12/13/2003	12/29/2003
L0001448-0003	GAS	OVS Tubes	WWK-A-AMSFBLK-E8 C	12/12/2002	12/13/2003	12/29/2003
L0001448-0004	GAS	OVS Tubes	WWK-A-AMS1-E8 A	12/12/2003	12/13/2003	12/29/2003
L0001448-0005	GAS	OVS Tubes	WWK-A-AMS1-E8 B	12/12/2003	12/13/2003	12/29/2003
L0001448-0006	GAS	OVS Tubes	WWK-A-AMS1-E8 C	12/12/2003	12/13/2003	12/29/2003
L0001448-0007	GAS	OVS Tubes	WWK-A-AMS2-E8 A	12/12/2003	12/13/2003	12/29/2003
L0001448-0008	GAS	OVS Tubes	WWK-A-AMS2-E8 B	12/12/2003	12/13/2003	12/29/2003
L0001448-0009	GAS	OVS Tubes	WWK-A-AMS2-E8 C	12/12/2003	12/13/2003	12/29/2003
L0001448-0010	GAS	OVS Tubes	WWK-A-AMS3-E8 A	12/12/2003	12/13/2003	12/29/2003
L0001448-0011	GAS	OVS Tubes	WWK-A-AMS3-E8 B	12/12/2003	12/13/2003	12/29/2003
L0001448-0012	GAS	OVS Tubes	WWK-A-AMS3-E8 C	12/12/2003	12/13/2003	12/29/2003
L0001448-0013	GAS	OVS Tubes	WWK-A-AMS4-E8 A	12/12/2003	12/13/2003	12/29/2003
L0001448-0014	GAS	OVS Tubes	WWK-A-AMS4-E8 B	12/12/2003	12/13/2003	12/29/2003
L0001448-0015	GAS	OVS Tubes	WWK-A-AMS4-E8 C	12/12/2003	12/13/2003	12/29/2003
L0001448-0016	GAS	OVS Tubes	WWK-A-AMS5-E8 A	12/12/2003	12/13/2003	12/29/2003
L0001448-0017	GAS	OVS Tubes	WWK-A-AMS5-E8 B	12/12/2003	12/13/2003	12/29/2003
L0001448-0018	GAS	OVS Tubes	WWK-A-AMS5-E8 C	12/12/2003	12/13/2003	12/29/2003
L0001448-0019	GAS	OVS Tubes	Control 1 A	12/15/2003	12/13/2003	12/29/2003
L0001448-0020	GAS	OVS Tubes	Control 1 B	12/15/2003	12/13/2003	12/29/2003
L0001448-0021	GAS	OVS Tubes	Control 1 C	12/15/2003	12/13/2003	12/29/2003



Bottles

L0001448-0001

Container
C0021141 / Other / NONE

Method

L0001448-0002

Container
C0021142 / Other / NONE

Method

L0001448-0003

Container
C0021143 / Other / NONE

Method

L0001448-0004

Container
C0021144 / Other / NONE

Method

L0001448-0005

Container
C0021145 / Other / NONE

Method

L0001448-0006

Container
C0021146 / Other / NONE

Method

L0001448-0007

Container
C0021147 / Other / NONE

Method

L0001448-0008

Container
C0021148 / Other / NONE

Method

L0001448-0009

Container
C0021149 / Other / NONE

Method

L0001448-0010

Container
C0021150 / Other / NONE

Method

L0001448-0011

Container
C0021151 / Other / NONE

Method

L0001448-0012

Container

Method
U055



Login

C0021152 / Other / NONE

L0001448-0013

Container

C0021153 / Other / NONE

Method

L0001448-0014

Container

C0021154 / Other / NONE

Method

L0001448-0015

Container

C0021155 / Other / NONE

Method

L0001448-0016

Container

C0021156 / Other / NONE

Method

L0001448-0017

Container

C0021157 / Other / NONE

Method

L0001448-0018

Container

C0021158 / Other / NONE

Method

L0001448-0019

Container

C0021159 / Other / NONE

Method

L0001448-0020

Container

C0021160 / Other / NONE

Method

L0001448-0021

Container

C0021161 / Other / NONE

Method

0056



CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3117 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION

Client (name & address):

ADQM
DuPont Washington Works

Phone: (307) 892-1698

Fax: _____

Sampler: S. Opp, A. Crowe

Project Manager (Name & E-mail Address):

Mike Aweain

Project Name:

PO #. Air Sampling Program

P.O. #:

Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SECRET

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time
	WWK-A-AMSFBK-E8	12/1/03	0715
	WWK-A-AMs1-E8		0701
	WWK-A-AMs2-E8		0706
	WWK-A-AMs3-E8		0707
	WWK-A-AMs4-E8		0715
	WWK-A-AMs5-E8		0735
	WWK-A-AMs6-E8		0730
	Control		

1 AD 115E ONLY

[illegible]

<u>Specify Matrix</u>	<u>Comments</u>
Air	Field Blank
Air	
Air	
Air	
Air	
Air	
Air	
Air	(+) sample cancelled

n) Dec chg

as per client	
---------------	--

Y
D
O
S
D
L
O
N
A
T

Relinquished by	Date	Time
<i>P. Stephen Cripp</i>	12/12/05	

LABOR USE ONLY

OTHER INFORMATION

Event 8

PROJECT REQUIREMENTS

Results Deadline:

Cooler ID #	WCCO-2A
Cooler Temp.	(°C)

Microcolony

Cooler Temp. (°C) 14

Received by

Received by	Date	Time
J. S. [Signature]	10/25/03	0530
[Signature]	12/17/01	170

Laboratory Report Options:

☐ Sample results only☐ Add case narrative

☐ Add case narrative

☐ Add quality control summary☐ Add calibration☐ Add rate

Lab Copy

DuPont Washington Works
Air Sampling ProgramSampler(s): SO₂, AC

FedEx Airbill #: 836391301950

Event Number

Event 8

Pump #	Station #	Oxygen ID	Calibration (pre)	Date	Start Time	Date	Stop Time	Calibration (post)	Total Minutes	Total Volume
669842	AMS-1	WWK-A-AMS1-E8	1.006	11-Dec	0622	12-Dec	0701	1.247	1480	
669908	AMS-2	WWK-A-AMS2-E8	1.002	11-Dec	0632	12-Dec	0706	0.9806	1478	
669878	AMS-3	WWK-A-AMS3-E8	0.9949	11-Dec	0640	12-Dec	0707	0.9132	1471	
669890	AMS-4	WWK-A-AMS4-E8	1.006	11-Dec	0650	12-Dec	0715	1.071	1465	
669769	AMS-5	WWK-A-AMS5-E8	0.9943	11-Dec	0702	12-Dec	0725	0.9626	1462	
669848	AMS-6	WWK-A-AMS6-E8	0.9917	11-Dec	0719	12-Dec	0732	1.17	939	
Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	
0	0	5	300	10	600	15	900	20	1200	
1	60	6	360	11	660	16	960	21	1260	
2	120	7	420	12	720	17	1020	22	1320	
3	180	8	480	13	780	18	1080	23	1380	
4	240	9	540	14	840	19	1140	24	1440	

8500

Field Blank: ☐ yes ☒ no WWK-K-AMSFBLK-E8Weather: 12/11 = Overcast, 37 degrees, possible snow flurries.
12/12 = Overcast, 28 degrees, few flurries.SAFER operational: ☐ yes ☒ noComments: Total minutes column is the reading from the monitor counter.
Pump AMS-6 stopped with 939 minutes on the counter but would restart to calibrate.
Had difficulty getting pump AMS-3 to start to calibrate.

Sample "Condition Upon Receipt" Form

Protocol # 0000419

Exygen Study # 0001918

Date & Time Received 12/13/07 1330

Condition of Samples ambient

Temporary Storage Location at MHA 12/13/07
ambient Dec 23/07

Initials & Date MHA 12/13/07 1330

Waybill # 83639130 1950

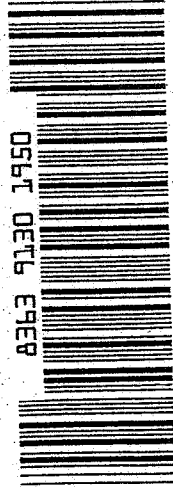
Comments: samples received on Saturday - waiting for Monday
to begin samples. MHA 12/13/07

May 24, 2002/3

FedEx *USA Airbill*
Express

FedEx Tracking Number
8363 9130 1950

1 From
Date 10/10/03
Sender's Name REDACTED Phone 304 212-4476
Company REDACTED
Address REDACTED
City REDACTED State WV ZIP 26018
2 Your Internal Billing Reference 181821357-00003
3 To
Recipient's Name REDACTED Phone 304 212-4476
Company REDACTED
Address REDACTED
City REDACTED State WV ZIP 26018



8363 9130 1950

0200

Recipients Only

4a Express Package Service
☒ FedEx Priority Overnight
Next business morning
☐ FedEx Standard Overnight
Next business afternoon
☐ FedEx First Overnight
Earliest next business morning
Delivery to select locations

Packages up to 150 lbs.
Delivery commitment may be later in some areas.

4b Express Freight Service
☐ FedEx 2Day
Second business day
☐ FedEx Express Saver
Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate.

Packages over 150 lbs.
Delivery commitment may be later in some areas.

5 Packaging
☐ FedEx Envelope*
☐ FedEx Pak*
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other
*Declared value limit \$500

6 Special Handling
☒ SATURDAY Delivery
Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday
Available only for FedEx Location Overnight and FedEx 2Day
☐ HOLD Saturday
Available only for FedEx First Overnight and FedEx 2Day to select locations
Include FedEx address in Section 3.
Does this shipment contain dangerous goods?
☒ No
☐ Yes
Shipped as per Shipper's Declaration
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.
Dry Ice, 3 UN 1845
☐ Dry Ice
☐ Cargo Aircraft Only
Payment Bill to:
☐ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check
Sender's Account No. in Section 3
Acct. No. in Section 3
Total Packages
Total Weight
Total Declared Value*
Total Charges
Credit Card Auth.
7
8 Release Signature
Your liability is limited to \$100 unless you declare a higher value. See back for details.
Sign to authorize delivery without obtaining signature.

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By signing you authorize us to deliver this shipment without obtaining a signature
from the addressee and hold us harmless from any resulting claims.
Questions? Visit our Web site at fedex.com
Or call 1.800.Go.FedEx 800.463.3333.
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