Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIĂ# 33D2005935

Report No:

EHS1800003179-SR-1

Report Date: 02/06/2018

Page 1 of 2

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: HF4

#### Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON Collected by:

Grab/Collection Date: 01/18/2018 10:15 Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT INFLUENT TO GAC HOOSICK FALLS NY Chlorinated: Yes

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Type: Finished Water

Sample Id: EHS1800003179-01

Received Temperature (°C):

10.6

Lab Tracking Id: HF4

# Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/23/2018

Perfluorobutanoic acid (PFBA):

<5.00 ng/L

Perfluoropentanoic acid (PFPeA):

2.93 ng/L

Perfluorohexanoic acid (PFHxA):

11.0 ng/L

Perfluoroheptanoic acid (PFHpA):

9.64 ng/L

Perfluorooctanoic acid (PFOA):

384 ng/L

Perfluorononanoic acid (PFNA):

<2.00 ng/L

Perfluorodecanonic acid (PFDA):

<2.00 ng/L

Perfluoroundecanoic acid (PFUnA):

<5.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS):

<1.83 ng/L

Perfluorobutanesulfonic acid (PFBS):

<1.77 ng/L

Perfluoropentansulfonic acid (PFPeS):

<1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.90 ng/L

Perfluorooctanesulfonic acid (PFOS): Perfluorooctanesulfonamide (PFOSA): <1.91 ng/L

<5.00 ng/L

NYSELAP

NYSELAP

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003179-SR-1

Report Date: 02/06/2018

Page 2 of 2

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937 Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800002925-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002925-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON

Submitter's Reference Number: HF4

Grab/Collection Date: 01/18/2018 10:15

Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT INFLUENT TO GAC HOOSICK FALLS NY Chlorinated: Yes

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002925-01

10.6

Received Temperature (°C):

Lab Tracking Id: HF4

Sample Type: Finished Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/19/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

<25 ng/L

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

73-1):

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003177-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 1 of 1

#### REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON Collected by:

Submitter's Reference Number: HF2

Grab/Collection Date: 01/18/2018 10:13 Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAS UNIT MIDPOINT HOOSICK FALLS NY

Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Type: Finished Water

Sample Id: EHS1800003177-01

Received Temperature (°C):

9.9

Lab Tracking Id: HF2

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/23/2018

Perfluorobutanoic acid (PFBA): 5.53 ng/L

<2.00 ng/L Perfluoropentanoic acid (PFPeA):

<2.00 ng/L Perfluorohexanoic acid (PFHxA):

Perfluoroheptanoic acid (PFHpA): <2.00 ng/L

Perfluorooctanoic acid (PFOA): <2.00 ng/L

Perfluorononanoic acid (PFNA): <2.00 ng/L

<2.00 ng/L Perfluorodecanonic acid (PFDA):

<5.00 ng/L Perfluoroundecanoic acid (PFUnA):

Perfluorododecanoic acid (PFDoA): <5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS): <1.83 ng/L

Perfluorobutanesulfonic acid (PFBS): <1.77 ng/L

Perfluoropentansulfonic acid (PFPeS): <1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS): <1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS): <1.90 ng/L

Perfluorooctanesulfonic acid (PFOS): <1.91 ng/L

Perfluorooctanesulfonamide (PFOSA): <5.00 ng/L

NYSELAP

NYSELAP

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No: EHS1800002923-SR-2 Page 1 of 1

\*\*Replaces information in report No: EHS1800002923-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON

Submitter's Reference Number: HF2

Grab/Collection Date: 01/18/2018 10:13 Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT MIDPOINT HOOSICK FALLS NY

Chlorinated: No

FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002923-01

Received Temperature (°C):

9.9

Lab Tracking Id: HF2

Sample Type: Finished Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/19/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

<25 ng/L

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

73-1):

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003178-SR-1

02/06/2018

Report Date: Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018 Page 1 of 2

REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER PO BOX 509 EMPIRE STATE PLAZA

Submitted by: T. VICKERSON Collected by:

ALBANY NY 12201-0509

Submitter's Reference Number: HF3

Grab/Collection Date: 01/18/2018 10:14 Date received: 01/18/2018 16:00

Wadsworth Center - Environmental Labs

OUTBREAK #: HFPFOA

County: RENSSELAER

City (or) Town: HOOSICK FALLS

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT MIDPOINT DUPLICATE HOOSICK FALLS NY

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003178-01

Received Temperature (°C):

10.8

Lab Tracking Id: HF3

Sample Type: Finished Water

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/23/2018

Perfluorobutanoic acid (PFBA):

6.01 ng/L

Perfluoropentanoic acid (PFPeA):

<2.00 ng/L

Perfluorohexanoic acid (PFHxA):

<2.00 ng/L

Perfluoroheptanoic acid (PFHpA):

<2.00 ng/L

Perfluorooctanoic acid (PFOA):

<2.00 ng/L

Perfluorononanoic acid (PFNA):

<2.00 ng/L

Perfluorodecanonic acid (PFDA):

<2.00 ng/L

Perfluoroundecanoic acid (PFUnA):

<5.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS):

<1.83 ng/L

Perfluorobutanesulfonic acid (PFBS):

<1.77 ng/L

Perfluoropentansulfonic acid (PFPeS):

<1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.90 ng/L

Perfluorooctanesulfonic acid (PFOS): Perfluorooctanesulfonamide (PFOSA): <1.91 ng/L <5.00 ng/L NYSELAP

NYSELAP

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003178-SR-1

Report Date: 02/06/2018 Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018 Page 2 of 2

**END OF REPORT** 

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937 Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800002924-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002924-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER PO BOX 509

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON

EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: HF3

Grab/Collection Date: 01/18/2018 10:14

Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT MIDPOINT DUPLICATE HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002924-01

10.8

Received Temperature (°C):

Lab Tracking Id: HF3

Sample Type: Finished Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

73-1):

<25 ng/L

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C.

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937 Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003176-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 1 of 2

REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER PO BOX 509

EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: HF1

Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON

Collected by:

Grab/Collection Date: 01/18/2018 10:12

Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT EFFLUENT HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Type: Finished Water

Sample Id: EHS1800003176-01

Received Temperature (°C):

10.7

Lab Tracking Id: HF1

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/23/2018

Perfluorobutanoic acid (PFBA):

<5.00 ng/L <2.00 ng/L Perfluoropentanoic acid (PFPeA):

<2.00 ng/L Perfluorohexanoic acid (PFHxA): Perfluoroheptanoic acid (PFHpA): <2.00 ng/L

Perfluorooctanoic acid (PFOA): <2.00 ng/L

Perfluorononanoic acid (PFNA): <2.00 ng/L

Perfluorodecanonic acid (PFDA): <2.00 ng/L <5.00 ng/L

Perfluoroundecanoic acid (PFUnA): Perfluorododecanoic acid (PFDoA): <5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS): <1.83 ng/L Perfluorobutanesulfonic acid (PFBS): <1.77 ng/L

Perfluoropentansulfonic acid (PFPeS): <1.88 ng/L Perfluorohexanesulfonic acid (PFHxS): <1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

Perfluorooctanesulfonic acid (PFOS): <1.91 ng/L

<5.00 ng/L Perfluorooctanesulfonamide (PFOSA):

NYSELAP

NYSELAP

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C.

<1.90 ng/L

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003176-SR-1

Report Date: 02/06/2018

Page 2 of 2

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800002922-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002922-SR-1 (Report Date: 01/26/2018)

02/07/2018 Report Date:

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE
DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON

WADSWORTH CENTER PO BOX 509 EMPIRE STATE PLAZA

ALBANY NY 12201-0509 Submitter's Reference Number: HF1

Grab/Collection Date: 01/18/2018 10:12

Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: GAC UNIT EFFLUENT HOOSICK FALLS NY

FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Chlorinated: No

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002922-01

10.7

Received Temperature (°C):

Lab Tracking Id: HF1

Sample Type: Finished Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/19/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

<25 ng/L

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

73-1):

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

#### END OF REPORT

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Page 1 of 2

Report No:

EHS1800003168-SR-1

DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

Report Date: 02/06/2018

DIRECTOR'S OFFICE

WADSWORTH CENTER

ALBANY NY 12201-0509

PO BOX 509 EMPIRE STATE PLAZA

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: A PERRETTA

Collected by:

Submitter's Reference Number: MW - 03

REQUESTED BY: DIRECTOR-WCENVIRO

Grab/Collection Date: 01/18/2018 12:18 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS,

NY 12090 Sampling Location Details: MW - 03 MCCAFFREY STREET HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003168-01

Received Temperature (°C):

Lab Tracking Id: MW-03

Sample Type: Raw Water

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/24/2018

Perfluorobutanoic acid (PFBA):

20.0 ng/L

12.2

Perfluoropentanoic acid (PFPeA):

32.4 na/L

Perfluorohexanoic acid (PFHxA):

90.8 ng/L

Perfluoroheptanoic acid (PFHpA):

106 ng/L

Perfluorooctanoic acid (PFOA):

5350 ng/L

Perfluorononanoic acid (PFNA):

8.75 ng/L

Perfluorodecanonic acid (PFDA):

3.94 ng/L

Perfluoroundecanoic acid (PFUnA):

<5.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS):

<1.83 ng/L

Perfluorobutanesulfonic acid (PFBS):

1.78 ng/L

Perfluoropentansulfonic acid (PFPeS):

<1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.90 ng/L

Perfluorooctanesulfonic acid (PFOS): Perfluorooctanesulfonamide (PFOSA): 3.63 ng/L <5.00 ng/L NYSELAP

NYSELAP

NOTES:

[1] Sample temperature upon receipt did not meet method specifications of 10 °C.

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003168-SR-1

Report Date: 02/06/2018

Page 2 of 2

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No: EHS1800002927-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002927-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER PO BOX 509 EMPIRE STATE PLAZA

County: RENSSELAER City (or) Town: HOOSICK Submitted by: A.PERRETTA Collected by: A.PERRETTA

Submitter's Reference Number: MW-03

ALBANY NY 12201-0509

Grab/Collection Date: 01/18/2018 12:18 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, NY 12090 Sampling Location Details: MW-03 MCCAFFERY STREET

HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002927-01

Sample Type: Raw Water

Received Temperature (°C):

16.1

Lab Tracking Id: MW-03

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/19/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -<30.7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

<25 ng/L

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

73-1):

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C.

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003170-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 1 of 2

#### REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509

EMPIRE STATE PLAZA ALBANY NY 12201-0509 Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: A. PERRETTA

Collected by:

Submitter's Reference Number: MW - 10

Grab/Collection Date: 01/18/2018 13:45 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, MCCAFFREY STREET

HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003170-01

Received Temperature (°C):

10.9

Lab Tracking Id: MW-10

Sample Type: Raw Water

# Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/24/2018

Perfluorobutanoic acid (PFBA):

22.6 ng/L

Perfluoropentanoic acid (PFPeA):

33.9 ng/L

Perfluorohexanoic acid (PFHxA):

88.1 ng/L

Perfluoroheptanoic acid (PFHpA): Perfluorooctanoic acid (PFOA):

111 ng/L 7790 ng/L

Perfluorononanoic acid (PFNA):

7.11 ng/L

Perfluorodecanonic acid (PFDA):

<2.00 ng/L

Perfluoroundecanoic acid (PFUnA):

<5.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS):

<1.83 ng/L

Perfluorobutanesulfonic acid (PFBS):

1.94 ng/L

Perfluoropentansulfonic acid (PFPeS): Perfluorohexanesulfonic acid (PFHxS): <1.88 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.89 ng/L

<1.90 ng/L

Perfluorooctanesulfonic acid (PFOS):

<1.91 ng/L

Perfluorooctanesulfonamide (PFOSA):

<5.00 ng/L

NYSELAP

NYSELAP

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C.

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003170-SR-1

Report Date: 02/06/2018

Page 2 of 2

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800002918-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002918-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE

DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER City (or) Town: HOOSICK FALLS

Submitted by: A. PERRETTA

Submitter's Reference Number: mw - 10

Grab/Collection Date: 01/18/2018 13:45

Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, NY 12090 MCCAFFREY STREET HOOSICK FALLS NY Chlorinated: No

FINAL LABORATORY REPORT

Biggs Laboratory NŸŠ ELAP ID: 10763 Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002918-01

10.9

Received Temperature (°C):

Lab Tracking Id: MW-10

Sample Type: Raw Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/22/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -<30.7 ng/L; Test associated with low surrogate recovery; results may heptafluoro propoxy)-propanoic acid (CASRN be biased low.

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

(CASRN 958445-44-8):

<25 ng/L

Perfluoro(4-oxapentanoic) acid (CASRN

863090-89-5):

<25 ng/L

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

<25 ng/L

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937 Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003169-SR-1

Page 1 of 2

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER PO BOX 509

City (or) Town: HOOSICK FALLS Submitted by: A. PERRETTA

County: RENSSELAER

EMPIRE STATE PLAZA ALBANY NY 12201-0509 Collected by:

Submitter's Reference Number: MW - 15

Grab/Collection Date: 01/18/2018 13:25 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, NY 12090 MCCAFFREY STREET

MCCAFFREY STREET HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763 Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003169-01

Sample Type: Raw Water

Received Temperature (°C):

11.4

Lab Tracking Id: MW-15

# Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/24/2018

Perfluorobutanoic acid (PFBA):

25.3 ng/L

Perfluoropentanoic acid (PFPeA):

35.5 ng/L

Perfluorohexanoic acid (PFHxA):

111 ng/L

Perfluoroheptanoic acid (PFHpA): Perfluorooctanoic acid (PFOA): 137 ng/L

Define

5960 ng/L

Perfluorononanoic acid (PFNA): Perfluorodecanonic acid (PFDA): 4.10 ng/L

Perfluoroundecanoic acid (PFUnA):

<2.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Periluorododecarioic acid (PPDOA)

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS):

<1.83 ng/L

Perfluorobutanesulfonic acid (PFBS): Perfluoropentansulfonic acid (PFPeS): <1.77 ng/L <1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

Perfluorooctanesulfonic acid (PFOS):

<1.90 ng/L <1.91 ng/L

NYSELAP

NYSELAP

Perfluorooctanesulfonamide (PFOSA):

<5.00 ng/L

#### NOTES:

[1] Sample temperature upon receipt did not meet method specifications of 10 °C.

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341 David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003169-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 2 of 2

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800002919-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002919-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE WADSWORTH CENTER

DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

PO BOX 509

EMPIRE STATE PLAZA ALBANY NY 12201-0509

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: A.PERRETTA

Submitter's Reference Number: mw - 15

Grab/Collection Date: 01/18/2018 13:25 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, NY 12090 MCCAFFREY STREET

HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002919-01

11.4

Received Temperature (°C):

Lab Tracking Id: MW-15

Sample Type: Raw Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/22/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN 863090-89-5):

<25 ng/L

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

73-1): Perfluoro(5-oxa-6-dimethylhexanoic) acid

(CASRN 801212-59-9):

<25 ng/L

NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003166-SR-1

Report Date: 02/06/2018

Page 1 of 2

NYSELAP

NYSELAP

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: MW-29

#### Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: A. PERRETTA Collected by:

Grab/Collection Date: 01/18/2018 10:35 Date received: 01/18/2018 16:00

**OUTBREAK #: HFPFOA** 

Sample Type: Raw Water

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, NY 12090

MCCAFFREY STREET HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003166-01

Received Temperature (°C):

11.8

Lab Tracking Id: MW-29

# Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/24/2018

Perfluorobutanoic acid (PFBA):

7.61 ng/L

Perfluoropentanoic acid (PFPeA):

8.59 ng/L

Perfluorohexanoic acid (PFHxA): Perfluoroheptanoic acid (PFHpA): 29.6 ng/L

Perfluorooctanoic acid (PFOA):

24.6 ng/L 1120 ng/L

Perfluorononanoic acid (PFNA):

<2.00 ng/L

Perfluorodecanonic acid (PFDA):

Perfluoroundecanoic acid (PFUnA):

<2.00 ng/L <5.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS):

Perfluorobutanesulfonic acid (PFBS):

<1.83 ng/L

Perfluoropentansulfonic acid (PFPeS):

2.40 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.88 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.89 ng/L

Perfluorooctanesulfonic acid (PFOS):

<1.90 ng/L

<1.91 ng/L

Perfluorooctanesulfonamide (PFOSA): <5.00 ng/L

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Page 2 of 2

Report No:

EHS1800003166-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No: EHS1800002920-SR-2 Page 1 of 1

\*\*Replaces information in report No: EHS1800002920-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: A. PERRETTA

Submitter's Reference Number: mw - 29

Grab/Collection Date: 01/18/2018 10:35 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS, NY 12090 MCCAFFREY STREET HOOSICK FALLS NY Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002920-01

Sample Type: Raw Water

Received Temperature (°C):

11.8

Lab Tracking Id: MW-29

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30,7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN 13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

(CASRN 958445-44-8):

<25 ng/L

Perfluoro(4-oxapentanoic) acid (CASRN

863090-89-5):

<25 ng/L

Perfluoro(3-oxabutanoic) acid (CASRN 377-

73-1):

<25 ng/L

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003167-SR-1

02/06/2018 Report Date:

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 1 of 2

#### REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: Duplicate 2

Wadsworth Center - Environmental Labs

County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: A. PERRETTA

Collected by:

Grab/Collection Date: 01/18/2018 10:35

Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS,

NY 12090

Sampling Location Details: DUPLICATE 2 OF MW - 29 MCCAFFREY STREET HOOSICK FALLS NY

Chlorinated: No

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Type: Raw Water

Sample Id: EHS1800003167-01

Received Temperature (°C):

12.5

Lab Tracking Id: DUPLICATE 2

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/24/2018

Perfluorobutanoic acid (PFBA):

7.47 ng/L

Perfluoropentanoic acid (PFPeA):

8.71 ng/L

Perfluorohexanoic acid (PFHxA):

30.4 ng/L

Perfluoroheptanoic acid (PFHpA):

25.0 ng/L

Perfluorooctanoic acid (PFOA):

1010 ng/L

Perfluorononanoic acid (PFNA):

<2.00 ng/L

Perfluorodecanonic acid (PFDA):

<2.00 ng/L

Perfluoroundecanoic acid (PFUnA):

<5.00 ng/L

Perfluorododecanoic acid (PFDoA): Perfluoropropanesulfonic acid (PFPrS): <5.00 ng/L

Perfluorobutanesulfonic acid (PFBS):

<1.83 ng/L

Perfluoropentansulfonic acid (PFPeS):

2.43 ng/L <1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.90 ng/L

Perfluorooctanesulfonic acid (PFOS): Perfluorooctanesulfonamide (PFOSA): <1.91 ng/L

<5.00 ng/L

NYSELAP

NYSELAP

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341 David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003167-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 2 of 2

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800002921-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002921-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER PO BOX 509

EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER City (or) Town: HOOSICK FALLS

Submitted by: A. PERRETTA

Submitter's Reference Number: Duplicate 2

Grab/Collection Date: 01/18/2018 10:35 Date received: 01/18/2018 16:00

Location/Project/Facility Name: 442046 - SAINT-GOBAIN MCCAFFREY STREET, RENSSELAER COUNTY, HOOSICK FALLS,

NY 12090

Sampling Location Details: DUPLICATE 2 OF MW - 29 MCCAFFREY STREET HOOSICK FALLS NY

Chlorinated: No

FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002921-01

12.5

Received Temperature (°C):

Lab Tracking Id: DUPLICATE 2

Sample Type: Raw Water

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/19/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

<25 ng/L

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

73-1):

<25 ng/L

Perfluoro(5-oxa-6-dimethylhexanoic) acid (CASRN 801212-59-9):

<25 ng/L

NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C. [1]

**END OF REPORT** 

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937 Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003180-SR-1

Page 1 of 2

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

#### REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES County: RENSSELAER Submitted by: LOAC-QAQC

WADSWORTH CENTER

Collected by:

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Grab/Collection Date: 01/18/2018

Submitter's Reference Number: FRB - HF

Date received: 01/18/2018 16:00

Location/Project/Facility Name: FIELD REAGENT BLANK Sampling Location Details: PREPARED ON: 1/16/18 WITH SAMPLE(S): EHS1800002918 - 2927

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003180-01

Sample Type: Field Blank

Received Temperature (°C):

13.3

<5.00 ng/L

<2.00 ng/L

Lab Tracking Id: FRBHF

#### Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/23/2018

Perfluorobutanoic acid (PFBA):

Perfluorooctanoic acid (PFOA):

Perfluoropentanoic acid (PFPeA): <2.00 ng/L

Perfluorohexanoic acid (PFHxA): <2.00 ng/L

Perfluoroheptanoic acid (PFHpA): <2.00 ng/L

Perfluorononanoic acid (PFNA): <2.00 ng/L

Perfluorodecanonic acid (PFDA): <2.00 ng/L

Perfluoroundecanoic acid (PFUnA): <5.00 ng/L

Perfluorododecanoic acid (PFDoA): <5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS): <1.83 ng/L

Perfluorobutanesulfonic acid (PFBS): <1.77 ng/L

Perfluoropentansulfonic acid (PFPeS): <1.88 ng/L

<1.89 ng/L Perfluorohexanesulfonic acid (PFHxS):

<1.90 ng/L Perfluoroheptanesulfonic acid (PFHpS):

Perfluorooctanesulfonic acid (PFOS): <1.91 ng/L

<5.00 ng/L Perfluorooctanesulfonamide (PFOSA):

NYSELAP

NYSELAP

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C.

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

**END OF REPORT** 

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIĂ# 33D2005935

Report No:

EHS1800002926-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800002926-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509

EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER Submitted by: LOAC-QAQC Collected by: LOAC-QAQC

Submitter's Reference Number: FRB-HF

Grab/Collection Date: 01/18/2018 Date received: 01/18/2018 16:00

Location/Project/Facility Name: FIELD REAGENT BLANK Sampling Location Details: PREPARED ON: 1/16/18 WITH SAMPLES: EHS1800002918-2927

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800002926-01

13.3

Received Temperature (°C):

Lab Tracking Id: FRB-HF

Sample Type: Field Blank

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 1/19/2018 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

(CASRN 958445-44-8):

<25 ng/L

<30.7 ng/L

Perfluoro(4-oxapentanoic) acid (CASRN

863090-89-5):

<25 ng/L

Perfluoro(3-oxabutanoic) acid (CASRN 377-

<25 ng/L

Perfluoro(5-oxa-6-dimethylhexanoic) acid

(CASRN 801212-59-9):

<25 ng/L

#### NOTES:

Sample temperature upon receipt did not meet method specifications of 10 °C: [1]

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003187-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Page 1 of 1

REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER PO BOX 509 EMPIRE STATE PLAZA

ALBANY NY 12201-0509

Wadsworth Center - Environmental Labs

County: RENSSELAER Submitted by: LOAC-QAQC

Collected by:

Submitter's Reference Number: LRB1

Grab/Collection Date: 01/22/2018 Date received: 01/22/2018 11:00

Location/Project/Facility Name: LABORATORY REAGENT BLANK Sampling Location Details: PREPARED ON: 1/22/18 EXTRACTED WITH: EHS1800003166 - 3170 & EHS1800003176 - 3180

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003187-01

Lab Tracking Id: LRB1

Sample Type: Method Blank

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem Mass Spectrometry (MS/MS): ISO 25101

Start Date: 1/23/2018 Analysis Date: 1/23/2018

Perfluorobutanoic acid (PFBA):

<5.00 ng/L Perfluoropentanoic acid (PFPeA): <2.00 ng/L

Perfluorohexanoic acid (PFHxA):

<2.00 ng/L

Perfluoroheptanoic acid (PFHpA):

<2.00 ng/L

Perfluorooctanoic acid (PFOA):

<2.00 ng/L

Perfluorononanoic acid (PFNA):

<2.00 ng/L

Perfluorodecanonic acid (PFDA):

<2.00 ng/L

Perfluoroundecanoic acid (PFUnA):

<5.00 ng/L

Perfluorododecanoic acid (PFDoA):

<5.00 ng/L

Perfluoropropanesulfonic acid (PFPrS): Perfluorobutanesulfonic acid (PFBS):

<1.83 ng/L <1.77 ng/L

Perfluoropentansulfonic acid (PFPeS):

<1.88 ng/L

Perfluorohexanesulfonic acid (PFHxS):

<1.89 ng/L

Perfluoroheptanesulfonic acid (PFHpS):

<1.90 ng/L

Perfluoròoctanesulfonic acid (PFOS):

<1.91 ng/L

Perfluorooctanesulfonamide (PFOSA):

<5.00 ng/L

NYSELAP

NYSELAP

NYSELAP: Accredited by the New York State Environmental Laboratory Approval Program

#### **END OF REPORT**

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937

Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Page 2 of 2

Report No:

EHS1800003180-SR-1

Report Date: 02/06/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

Biggs Laboratory PO Box 509 Albany, NY 12201 CLIA# 33D0654341

David Axelrod Institute 120 New Scotland Avenue Albany, NY 12208 CLIA# 33D2005937 Griffin Laboratory 5668 State Farm Road Slingerlands, NY 12159 CLIA# 33D2005935

Report No:

EHS1800003050-SR-2

Page 1 of 1

\*\*Replaces information in report No: EHS1800003050-SR-1 (Report Date: 01/26/2018)

Report Date: 02/07/2018

Report retrieved via NYSDOH Health Commerce System by czd01 on 02/09/2018

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER PO BOX 509

EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER Submitted by: LOAC - QAQC

Grab/Collection Date: 01/19/2018 Date received: 01/19/2018 09:50

Submitter's Reference Number: LRB 1

Location/Project/Facility Name: LABORATORY REAGENT BLANK Sampling Location Details: PREPARED ON: 1/19/18 EXTRACTED WITH: EHS1800002918 - 2926

#### FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

Laboratory of Organic Analytical Chemistry Lab Director: Dr. David Spink Contact: Nicole Cairns 518-473-0323

Sample Id: EHS1800003050-01

Lab Tracking Id: LFB1

Sample Type: Method Blank

Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Drinking Water by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS)

Start Date: 01/19/18 13:10 Analysis Date: 1/23/2018

2,3,3,3 - tetrafluoro-2-(1,1,2,2,3,3,3 -

<30.7 ng/L heptafluoro propoxy)-propanoic acid (CASRN

13252-13-6):

Dodecafluoro-3H-4,8-dioxanonanoate

<25 ng/L

(CASRN 958445-44-8):

Perfluoro(4-oxapentanoic) acid (CASRN

<25 ng/L

863090-89-5):

Perfluoro(3-oxabutanoic) acid (CASRN 377-

73-1):

Perfluoro(5-oxa-6-dimethylhexanoic) acid

<25 ng/L

(CASRN 801212-59-9):

<25 ng/L

#### **END OF REPORT**