

# New York State Department of Health Wadsworth Center

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: **EHS1600053628-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

**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: HFD

**Wadsworth Center - Environmental Labs**

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

Grab/Collection Date: 11/23/2016 09:45

Date received: 11/23/2016 13:30

OUTBREAK #: HFPFOA

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

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053628-01

Sample Type: Finished Water

Received Temperature (°C): **9.8**

Lab Tracking Id: HFD

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**

Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**

Perfluoroheptanoic acid (PFHpA): **11.5 ng/L; B - Analyte found in an associated method blank; result in doubt**

Perfluorooctanoic acid (PFOA): **412 ng/L**

NYSELAP

Perfluorooctanesulfonic acid (PFOS): **3.98 ng/L**

NYSELAP

Perfluorononanoic acid (PFNA): **2.32 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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

**END OF REPORT**

The Laboratory Director authorizes the release of this report. The results in this report relate only to the sample submitted to the laboratory.

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CLIA# 33D2005935

Report No: **EHS1600053627-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

**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: HFC

**Wadsworth Center - Environmental Labs**

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

Grab/Collection Date: 11/23/2016 09:40

Date received: 11/23/2016 13:30

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: TEMPORARY G.A.C. MIDWAY DUPLICATE  
Chlorinated: No

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053627-01

Sample Type: Finished Water

Received Temperature (°C): 8.6

Lab Tracking Id: HFC

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	<2.00 ng/L
Perfluorooctanoic acid (PFOA):	4.70 ng/L
Perfluorooctanesulfonic acid (PFOS):	<1.91 ng/L
Perfluorononanoic acid (PFNA):	<2.00 ng/L

NYSELAP

NYSELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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**END OF REPORT**

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CLIA# 33D2005935

Report No: **EHS1600053626-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

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ALBANY NY 12201-0509

**Wadsworth Center - Environmental Labs**

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

Submitter's Reference Number: HFB

Grab/Collection Date: 11/23/2016 09:40  
Date received: 11/23/2016 13:30

**OUTBREAK #: HFPFOA**

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

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053626-01

Sample Type: Finished Water

Received Temperature (°C): **8.6**

Lab Tracking Id: HFB

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	<2.00 ng/L
Perfluorooctanoic acid (PFOA):	3.52 ng/L
Perfluorooctanesulfonic acid (PFOS):	<1.91 ng/L
Perfluorononanoic acid (PFNA):	<2.00 ng/L

NYSELAP

NYSELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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Slingerlands, NY 12159  
CLIA# 33D2005935

Report No: **EHS1600053625-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

**REQUESTED BY: DIRECTOR-WCENVIRO**

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WADSWORTH CENTER  
PO BOX 509  
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ALBANY NY 12201-0509

**Wadsworth Center - Environmental Labs**

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

Submitter's Reference Number: HFA

Grab/Collection Date: **11/23/2016 09:35**

Date received: **11/23/2016 13:30**

**OUTBREAK #: HFPFOA**

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

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053625-01

Sample Type: Finished Water

Received Temperature (°C): **10.3**

Received State: **Cooling**

Lab Tracking Id: HFA

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**

Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**

Perfluoroheptanoic acid (PFHpA): **<2.00 ng/L**

Perfluorooctanoic acid (PFOA): **<2.00 ng/L**

NYSELAP

Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**

NYSELAP

Perfluorononanoic acid (PFNA): **<2.00 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

**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

**END OF REPORT**

The Laboratory Director authorizes the release of this report. The results in this report relate only to the sample submitted to the laboratory.

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

Report No: **EHS1600053629-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

**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: TIM VICKERSON  
Collected by:

Submitter's Reference Number: HFE

Grab/Collection Date: 11/23/2016 09:50

Date received: 11/23/2016 13:30

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: DPW GARAGE RESTROOM CWT  
WATER WORKS RD  
Chlorinated: Yes

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053629-01

Sample Type: Finished Water

Received Temperature (°C): **10.6**  
Received State: **Cooling**

Lab Tracking Id: HFE

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**  
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**  
Perfluoroheptanoic acid (PFHpA): **<2.00 ng/L**  
Perfluorooctanoic acid (PFOA): **<2.00 ng/L**  
Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**  
Perfluorononanoic acid (PFNA): **<2.00 ng/L**

NYSELAP

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The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

**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

**END OF REPORT**

The Laboratory Director authorizes the release of this report. The results in this report relate only to the sample submitted to the laboratory.

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

Report No: **EHS1600053630-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

**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: TIM VICKERSON  
Collected by:

Submitter's Reference Number: HFF

Grab/Collection Date: **11/23/2016 10:02**

Date received: **11/23/2016 13:30**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS

Sampling Location Details: VILLAGE HALL MEN'S CWT

MAIN ST

Chlorinated: Yes

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053630-01

Sample Type: Finished Water

Received Temperature (°C): **10.8**

Received State: **Cooling**

Lab Tracking Id: HFF

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**

Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**

Perfluoroheptanoic acid (PFHpA): **<2.00 ng/L**

Perfluorooctanoic acid (PFOA): **<2.00 ng/L**

NYSELAP

Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**

NYSELAP

Perfluorononanoic acid (PFNA): **<2.00 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

**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

**END OF REPORT**

The Laboratory Director authorizes the release of this report. The results in this report relate only to the sample submitted to the laboratory.

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

Report No: **EHS1600053737-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

**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: JEFFREY WINERITER  
Collected by:

Submitter's Reference Number: LRB

Grab/Collection Date: 11/23/2016  
Date received: 11/23/2016 13:30

Location/Project/Facility Name: LABORATORY REAGENT BLANK

Sampling Location Details: PREPARED ON: 11/23/16 - EXTRACTED WITH: EHS1600053625 - 53631

## FINAL LABORATORY REPORT

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053737-01

Sample Type: Method Blank

Lab Tracking Id: LRB

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	2.14 ng/L
Perfluorooctanoic acid (PFOA):	<2.00 ng/L
Perfluorooctanesulfonic acid (PFOS):	<1.91 ng/L
Perfluorononanoic acid (PFNA):	<2.00 ng/L

NYSELAP

NYSELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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

## END OF REPORT

The Laboratory Director authorizes the release of this report. The results in this report relate only to the sample submitted to the laboratory.



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

Report No: **EHS1600053631-SR-1**

Page 1 of 1

Report Date: **12/01/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 01/03/2017

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WADSWORTH CENTER  
PO BOX 509  
EMPIRE STATE PLAZA  
ALBANY NY 12201-0509

**Wadsworth Center - Environmental Labs**

County: RENSSELAER  
Submitted by: TIM VICKERSON  
Collected by:

Submitter's Reference Number: FRB

Grab/Collection Date: 11/23/2016  
Date received: 11/23/2016 13:30

Location/Project/Facility Name: FIELD REAGENT BLANK

Sampling Location Details: PREPARED ON 11/22/16 - WITH SAMPLE(S): EHS1600053625 - 53630

**FINAL LABORATORY REPORT**

**Biggs Laboratory**  
**NYS ELAP ID: 10763**

Laboratory of Organic Analytical Chemistry  
Lab Director: Dr. K. Kannan  
Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600053631-01

Sample Type: Field Blank

Received Temperature (°C): 9.9

Lab Tracking Id: FRB

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

Start Date: 11/25/2016 Analysis Date: 11/28/2016

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	<2.00 ng/L
Perfluorooctanoic acid (PFOA):	<2.00 ng/L
Perfluorooctanesulfonic acid (PFOS):	<1.91 ng/L
Perfluorononanoic acid (PFNA):	<2.00 ng/L

NYSELAP

NYSELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS, as per ISO 25101:2009 (E) method. This test includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA) that have been validated by the laboratory. These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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**END OF REPORT**

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