

# 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: **EHS1600042144-SR-1**

Page 1 of 1

Report Date: **10/13/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 10/14/2016

**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: HF01

**Grab/Collection Date: 09/08/2016 09:00**  
**Date received: 09/08/2016 12:20**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: TEMP GAC EFFLUENT  
WATER PLANT RD  
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: EHS1600042144-01

Sample Type: Finished Water

Received Temperature (°C): **9.0**

Lab Tracking Id: HF01

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

Start Date: 09/09/16 08:00 Analysis Date: 09/13/16 16:00

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**  
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**  
Perfluoroheptanoic acid (PFHpA): **<2 ng/L**  
Perfluorooctanoic acid (PFOA): **<2 ng/L**  
Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**  
Perfluorononanoic acid (PFNA): **<2 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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Report No: **EHS1600042145-SR-1**

Page 1 of 1

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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: HF02

**Grab/Collection Date: 09/08/2016 09:00**  
**Date received: 09/08/2016 12:20**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: TEMP GAC MIDWAY  
WATER PLANT RD  
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: EHS1600042145-01

Sample Type: Finished Water

Received Temperature (°C): **7.7**

Lab Tracking Id: HF02

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

Start Date: 09/09/16 08:00 Analysis Date: 09/13/16 16:00

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**  
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**  
Perfluoroheptanoic acid (PFHpA): **<2 ng/L**  
Perfluorooctanoic acid (PFOA): **<2 ng/L**  
Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**  
Perfluorononanoic acid (PFNA): **<2 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: **EHS1600042146-SR-1**

Page 1 of 1

Report Date: **10/13/2016**

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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: HF03

**Grab/Collection Date: 09/08/2016 09:00**

**Date received: 09/08/2016 12:20**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: TEMP GAC INFLUENT  
WATER PLANT 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: EHS1600042146-01

Sample Type: Finished Water

Received Temperature (°C): **6.9**

Lab Tracking Id: HF03

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

Start Date: 09/09/16 08:00 Analysis Date: 09/13/16 16:00

Perfluorobutanesulfonic acid (PFBS):	<b>&lt;1.77 ng/L</b>
Perfluorohexanesulfonic acid (PFHxS):	<b>&lt;1.89 ng/L</b>
Perfluoroheptanoic acid (PFHpA):	<b>12.0 ng/L</b>
Perfluorooctanoic acid (PFOA):	<b>439 ng/L</b>
Perfluorooctanesulfonic acid (PFOS):	<b>4.33 ng/L</b>
Perfluorononanoic acid (PFNA):	<b>2.22 ng/L</b>

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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.

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**END OF REPORT**

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CLIA# 33D2005935

Report No: **EHS1600042147-SR-1**

Page 1 of 1

Report Date: **10/13/2016**

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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: HF04

**Grab/Collection Date: 09/08/2016 08:20**  
**Date received: 09/08/2016 12:20**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: DPW GARAGE RESTROOM CWT  
WATER PLANT 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: EHS1600042147-01

Sample Type: Finished Water

Received Temperature (°C): **10.5**

Received State: **Cooling**

Lab Tracking Id: HF04

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

Start Date: 09/09/16 08:00 Analysis Date: 09/13/16 16:00

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

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

Perfluoroheptanoic acid (PFHpA): **<2 ng/L**

Perfluorooctanoic acid (PFOA): **<2 ng/L**

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

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Perfluorononanoic acid (PFNA): **<2 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**

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CLIA# 33D2005935

Report No: **EHS1600042148-SR-1**

Page 1 of 1

Report Date: **10/13/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 10/14/2016

**REQUESTED BY: DIRECTOR-WCENVIRO**

DIRECTOR'S OFFICE  
DIVISION OF ENVIRONMENTAL HEALTH SCIENCES  
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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: HF05

**Grab/Collection Date: 09/08/2016 08:40**  
**Date received: 09/08/2016 12:20**

**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: EHS1600042148-01

Sample Type: Finished Water

Received Temperature (°C): **12.3**  
Received State: **Cooling**

Lab Tracking Id: HF05

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

Start Date: 09/09/16 08:00 Analysis Date: 09/13/16 16:00

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**  
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**  
Perfluoroheptanoic acid (PFHpA): **<2 ng/L**  
Perfluorooctanoic acid (PFOA): **<2 ng/L**  
Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**  
Perfluorononanoic acid (PFNA): **<2 ng/L**

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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**

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CLIA# 33D2005935

Report No: **EHS1600042149-SR-1**

Page 1 of 1

Report Date: **10/13/2016**

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**REQUESTED BY: DIRECTOR-WCENVIRO**

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

**Wadsworth Center - Environmental Labs**

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

Submitter's Reference Number: HF05 DUP

**Grab/Collection Date: 09/08/2016 08:40**  
**Date received: 09/08/2016 12:20**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: VILLAGE HALL MEN'S CWT DUPLICATE

**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: EHS1600042149-01

Sample Type: Finished Water

Received Temperature (°C): **10.2**  
Received State: **Cooling**

Lab Tracking Id: HF05DUP

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

Start Date: 09/09/16 08:00 Analysis Date: 09/13/16 16:00

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**  
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**  
Perfluoroheptanoic acid (PFHpA): **<2 ng/L**  
Perfluorooctanoic acid (PFOA): **<2 ng/L**  
Perfluorooctanesulfonic acid (PFOS): **<1.91 ng/L**  
Perfluorononanoic acid (PFNA): **<2 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.

**NOTES:**

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

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**END OF REPORT**

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CLIA# 33D2005935

Report No: **EHS1600042150-SR-1**

Page 1 of 1

Report Date: **10/13/2016**

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**REQUESTED BY: DIRECTOR-WCENVIRO**

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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: FRB

**Grab/Collection Date: 09/08/2016**  
**Date received: 09/08/2016 12:20**

Location/Project/Facility Name: TRIP BLANK

Sampling Location Details: PREPARED ON: 9/7/16 - WITH SAMPLE(S): EHS1600042144 - 42150

**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: EHS1600042150-01

Sample Type: Trip Blank

Received Temperature (°C): **8.3**

Lab Tracking Id: TB

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

Start Date: 09/09/16 08:00 Analysis Date: 09/21/16 16:00

Perfluorobutanesulfonic acid (PFBS):	<b>&lt;1.77 ng/L</b>
Perfluorohexanesulfonic acid (PFHxS):	<b>&lt;1.89 ng/L</b>
Perfluoroheptanoic acid (PFHpA):	<b>&lt;2 ng/L</b>
Perfluorooctanoic acid (PFOA):	<b>&lt;2 ng/L</b>
Perfluorooctanesulfonic acid (PFOS):	<b>&lt;1.91 ng/L</b>
Perfluorononanoic acid (PFNA):	<b>&lt;2 ng/L</b>

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.

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