

# 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: **EHS1600035179-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035179-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**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: HF1

**Grab/Collection Date: 07/28/2016 08:41**  
**Date received: 07/28/2016 14:15**

Additional Info: PUMPING BEGINS AT 8:40

**OUTBREAK #: HFPFOA**

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

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035179-01

Sample Type: Finished Water

Received Temperature (°C): **8.6**

Lab Tracking Id: HF1

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 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**

ELAP

ELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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.

ELAP: Accredited by the National 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: **EHS1600035180-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035180-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**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: HF2

**Grab/Collection Date: 07/28/2016 08:48**  
**Date received: 07/28/2016 14:15**

Additional Info: PH = 7.1

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: TEMP GAC INFLUENT  
Chlorinated: Yes  
Field Free Chlorine Residual (mg/L): 0.8

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035180-01

Sample Type: Finished Water

Received Temperature (°C): **9.2**

Lab Tracking Id: HF2

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 16:00

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

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

Perfluoroheptanoic acid (PFHpA): **10.4 ng/L**

Perfluorooctanoic acid (PFOA): **439 ng/L**

ELAP

Perfluorooctanesulfonic acid (PFOS): **2.99 ng/L**

ELAP

Perfluorononanoic acid (PFNA): **<2 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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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5668 State Farm Road  
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CLIA# 33D2005935

Report No: **EHS1600035181-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035181-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**REQUESTED BY: DIRECTOR-WCENVIRO**

DIRECTOR'S OFFICE  
DIVISION OF ENVIRONMENTAL HEALTH SCIENCES  
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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: HF3

**Grab/Collection Date: 07/28/2016 08:44**  
**Date received: 07/28/2016 14:15**

**OUTBREAK #: HFPFOA**

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

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035181-01

Sample Type: Finished Water

Received Temperature (°C): **7.8**

Lab Tracking Id: HF3

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 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**

ELAP

ELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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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Griffin Laboratory  
5668 State Farm Road  
Slingerlands, NY 12159  
CLIA# 33D2005935

Report No: **EHS1600035182-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035182-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**REQUESTED BY: DIRECTOR-WCENVIRO**

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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: HF3 DUP

**Grab/Collection Date: 07/28/2016 08:44**  
**Date received: 07/28/2016 14:15**

**OUTBREAK #: HFPFOA**

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

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035182-01

Sample Type: Finished Water

Received Temperature (°C): **8.5**

Lab Tracking Id: HF3D

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 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**

ELAP

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

ELAP

Perfluorononanoic acid (PFNA): **<2 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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.

ELAP: Accredited by the National Environmental Laboratory Approval Program

**END OF REPORT**

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

Report No: **EHS1600035183-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035183-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**REQUESTED BY: DIRECTOR-WCENVIRO**

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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: HF4

**Grab/Collection Date: 07/28/2016 10:00**  
**Date received: 07/28/2016 14:15**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: HF HIGHWAY RESTROOM CWT  
Chlorinated: Yes

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035183-01

Sample Type: Finished Water

Received Temperature (°C): **10.5**

Received State: **Cooling**

Lab Tracking Id: HF4

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 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**

ELAP

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

ELAP

Perfluorononanoic acid (PFNA): **<2 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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 EPA Method 537 specifications of 10 °C.

ELAP: Accredited by the National Environmental Laboratory Approval Program

**END OF REPORT**

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

Report No: **EHS1600035184-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035184-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**REQUESTED BY: DIRECTOR-WCENVIRO**

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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: HF5

**Grab/Collection Date: 07/28/2016 10:13**  
**Date received: 07/28/2016 14:15**

**OUTBREAK #: HFPFOA**

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS  
Sampling Location Details: HF VILLAGE MENS CWT  
Chlorinated: No

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035184-01

Sample Type: Finished Water

Received Temperature (°C): **8.9**

Lab Tracking Id: HF5

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 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**

ELAP

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

ELAP

Perfluorononanoic acid (PFNA): **<2 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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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5668 State Farm Road  
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CLIA# 33D2005935

Report No: **EHS1600035185-SR-2**

Page 1 of 1

**\*\*Replaces information in report No: EHS1600035185-SR-1 (Report Date: 08/04/2016)**

Report Date: **08/05/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 08/08/2016

**REQUESTED BY: DIRECTOR-WCENVIRO**

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PO BOX 509  
EMPIRE STATE PLAZA  
ALBANY NY 12201-0509

**Wadsworth Center - Environmental Labs**

County: RENNELAER  
Submitted by: T. VICKERSON  
Collected by:

**Grab/Collection Date: 07/28/2016**  
**Date received: 07/28/2016 14:15**

Location/Project/Facility Name: TRIP BLANK

Sampling Location Details: PREPARED ON: 07/27/16 - WITH SAMPLES: EHS1600035179 - 184

**FINAL LABORATORY REPORT**

**Laboratory of Organic Analytical Chemistry**  
**NYS ELAP ID: 10763**  
**Wadsworth Center, Empire State Plaza**

LAB DIRECTOR: Dr. K. Kannan  
CONTACT: Dr. David Spink 518-486-2530

Sample Id: EHS1600035185-01

Sample Type: Trip Blank

Received Temperature (°C): **10.2**

Received State: **Cooling**

Lab Tracking Id: TB

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

Start Date: 07/29/16 09:00 Analysis Date: 08/01/16 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**

ELAP

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

ELAP

Perfluorononanoic acid (PFNA): **<2 ng/L**

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). 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 EPA Method 537 specifications of 10 °C.

ELAP: Accredited by the National Environmental Laboratory Approval Program

**END OF REPORT**

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