

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: **EHS1700000605-SR-1**

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Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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: T. VICKERSON
Collected by:

Submitter's Reference Number: HFA

Grab/Collection Date: 01/05/2017 09:00
Date received: 01/05/2017 15:00

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: HIGH CAPACITY 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: EHS1700000605-01

Sample Type: Finished Water

Received Temperature (°C): 9.8

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: 1/6/2017 Analysis Date: 1/6/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	10.3 ng/L
Perfluorooctanoic acid (PFOA):	406 ng/L
Perfluorooctanesulfonic acid (PFOS):	4.00 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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Report No: **EHS1700000606-SR-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: HFB

Grab/Collection Date: **01/05/2017 09:00**
Date received: **01/05/2017 15:00**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: HIGH CAPACITY GAC MIDWAY PU-2
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: EHS1700000606-01

Sample Type: Finished Water

Received Temperature (°C): **10.5**
Received State: **Cooling**

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: 1/6/2017 Analysis Date: 1/6/2017

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.

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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Report No: **EHS1700000607-SR-1**

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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: T. VICKERSON
Collected by:

Submitter's Reference Number: HFC

Grab/Collection Date: **01/05/2017 09:00**
Date received: **01/05/2017 15:00**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: HIGH CAPACITY 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: EHS1700000607-01

Sample Type: Finished Water

Received Temperature (°C): **9.6**

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: 1/6/2017 Analysis Date: 1/6/2017

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.

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Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HFD

Grab/Collection Date: **01/05/2017 08:55**
Date received: **01/05/2017 15:00**

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: EHS1700000608-01

Sample Type: Finished Water

Received Temperature (°C): **9.1**

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: 1/6/2017 Analysis Date: 1/6/2017

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.

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Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HFE

Grab/Collection Date: 01/05/2017 08:51
Date received: 01/05/2017 15:00

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: EHS1700000609-01

Sample Type: Finished Water

Received Temperature (°C): **6.2**

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: 1/6/2017 Analysis Date: 1/6/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	2.41 ng/L
Perfluorooctanoic acid (PFOA):	7.69 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.

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Report No: **EHS1700000610-SR-1**

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Report Date: **01/18/2017**

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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: HFF

Grab/Collection Date: **01/05/2017 08:50**
Date received: **01/05/2017 15:00**

OUTBREAK #: HFFFOA

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: EHS1700000610-01

Sample Type: Finished Water

Received Temperature (°C): **8.4**

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: 1/6/2017 Analysis Date: 1/6/2017

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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Report No: **EHS1700000614-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

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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: **01/05/2017**
Date received: **01/05/2017 15:00**

Location/Project/Facility Name: FIELD REAGENT BLANK

Sampling Location Details: PREPARED ON: 12/20/16 - WITH SAMPLE(S): EHS1700000605 - 00613

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: EHS1700000614-01

Sample Type: Field Blank

Received Temperature (°C): **10.2**

Received State: **Cooling**

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: 1/6/2017 Analysis Date: 1/6/2017

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.

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: **EHS1700000616-SR-1**

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Report Date: **01/18/2017**

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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
Submitted by: J. WINERITER
Collected by:

Submitter's Reference Number: LRB

Grab/Collection Date: 01/05/2017
Date received: 01/05/2017 15:00

Location/Project/Facility Name: LABORATORY REAGENT BLANK

Sampling Location Details: PREPARED ON: 1/5/17 - EXTRACTED WITH: EHS1700000605 - 00614

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: EHS1700000616-01

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: 1/6/2017 Analysis Date: 1/6/2017

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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Griffin Laboratory
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CLIA# 33D2005935

Report No: **EHS1700001071-SR-1**

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Report Date: **01/18/2017**

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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: TIM VICKERSON
Collected by:

Submitter's Reference Number: HFAA

Grab/Collection Date: **01/10/2017 10:45**
Date received: **01/10/2017 14:50**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: FULL CAPACITY 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: EHS1700001071-01

Sample Type: Finished Water

Received Temperature (°C): **8.9**

Lab Tracking Id: HFAA

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

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.

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Report No: **EHS1700001072-SR-1**

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Report Date: **01/18/2017**

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

Submitter's Reference Number: HFAB

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: **01/10/2017 10:45**
Date received: **01/10/2017 14:50**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: FULL CAPACITY 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: EHS1700001072-01

Sample Type: Finished Water

Received Temperature (°C): **9.3**

Lab Tracking Id: HFAB

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

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.

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.

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: **EHS1700001073-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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: TIM VICKERSON
Collected by:

Submitter's Reference Number: HFAC

Grab/Collection Date: **01/10/2017 10:45**
Date received: **01/10/2017 14:50**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: FULL CAPACITY GAC INFLUENT

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: EHS1700001073-01

Sample Type: Finished Water

Received Temperature (°C): **9.4**

Lab Tracking Id: HFAC

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	11.8 ng/L
Perfluorooctanoic acid (PFOA):	452 ng/L
Perfluorooctanesulfonic acid (PFOS):	4.49 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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New York State Department of Health Wadsworth Center

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

Report No: **EHS1700001074-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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: HFAD

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: **01/10/2017 10:50**

Date received: **01/10/2017 14:50**

Additional Info: PRE TEMP GAC

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: CLEAR WELL
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: EHS1700001074-01

Sample Type: Finished Water

Received Temperature (°C): **9.2**

Lab Tracking Id: HFAD

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

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.

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

END OF REPORT

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New York State Department of Health Wadsworth Center

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David Axelrod Institute
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Albany, NY 12208
CLIA# 33D2005937

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

Report No: **EHS1700001075-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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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: TIM VICKERSON
Collected by:

Submitter's Reference Number: HFAE

Grab/Collection Date: **01/10/2017 10:50**
Date received: **01/10/2017 14:50**

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: EHS1700001075-01

Sample Type: Finished Water

Received Temperature (°C): **8.4**

Lab Tracking Id: HFAE

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	2.27 ng/L
Perfluorooctanoic acid (PFOA):	5.99 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

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New York State Department of Health Wadsworth Center

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

Report No: EHS1700001076-SR-1

Page 1 of 1

Report Date: 01/18/2017

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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

Submitter's Reference Number: HFAF

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: 01/10/2017 10:50
Date received: 01/10/2017 14:50

Additional Info: FINAL FINISHED WATER TO DISTRIBUTION

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: EHS1700001076-01

Sample Type: Finished Water

Received Temperature (°C): 9.2

Lab Tracking Id: HFAF

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	2.15 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.

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: **EHS1700001078-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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

Submitter's Reference Number: HFAH

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: **01/10/2017 10:50**
Date received: **01/10/2017 14:50**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: CLEAR WELL DUPLICATE
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: EHS1700001078-01

Sample Type: Finished Water

Received Temperature (°C): **9.1**

Lab Tracking Id: HFAH

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

Start Date: 1/11/2017 Analysis Date: 1/11/2017

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.

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.

New York State Department of Health Wadsworth Center

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

David Axelrod Institute
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Albany, NY 12208
CLIA# 33D2005937

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

Report No: **EHS1700001079-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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: RENSSELAER
Submitted by: TIM VICKERSON
Collected by:

Submitter's Reference Number: FRB

Grab/Collection Date: **01/10/2017**
Date received: **01/10/2017 14:50**

Location/Project/Facility Name: FIELD REAGENT BLANK

Sampling Location Details: PREPARED ON: 1/4/17 - WITH SAMPLE(S): EHS17000001071 - 01078

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: EHS1700001079-01

Sample Type: Field Blank

Received Temperature (°C): **8.9**

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: 1/11/2017 Analysis Date: 1/11/2017

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.

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.

New York State Department of Health Wadsworth Center

Biggs Laboratory
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CLIA# 33D0654341

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

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

Report No: **EHS1700001080-SR-1**

Page 1 of 1

Report Date: **01/18/2017**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 03/09/2017

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
Submitted by: JEFF WINERITER
Collected by:

Submitter's Reference Number: LRB

Grab/Collection Date: **01/10/2017**
Date received: **01/10/2017 14:50**

Location/Project/Facility Name: LABORATORY REAGENT BLANK

Sampling Location Details: PREPARED ON: 1/10/17 - EXTRACTED WITH: EHS17000017071 - 01079

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: EHS1700001080-01

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: 1/11/2017 Analysis Date: 1/11/2017

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.

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

END OF REPORT

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