

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: **EHS1700002723-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

Report retrieved via NYSDOH Health Commerce System by Irw03 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: RENNELAER
City (or) Town: HOOSICK FALLS
Submitted by: T. VICKERSON
Collected by:

Submitter's Reference Number: HF1

Grab/Collection Date: 01/19/2017 08:30
Date received: 01/19/2017 13:30

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
NY5 ELAP ID: 10763

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

Sample Id: EHS1700002723-01

Sample Type: Finished Water

Received Temperature (°C): **12.7**

Received State: **Cooling**

Lab Tracking Id: HF1

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

Start Date: 1/20/2017 Analysis Date: 1/23/2017

Perfluorobutanesulfonic acid (PFBS):	Specimen was broken or lost in a laboratory accident.
Perfluorohexanesulfonic acid (PFHxS):	Specimen was broken or lost in a laboratory accident.
Perfluoroheptanoic acid (PFHpA):	Specimen was broken or lost in a laboratory accident.
Perfluorooctanoic acid (PFOA):	Specimen was broken or lost in a laboratory accident.
Perfluorooctanesulfonic acid (PFOS):	Specimen was broken or lost in a laboratory accident.
Perfluorononanoic acid (PFNA):	Specimen was broken or lost in a laboratory accident.

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.

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: **EHS1700002724-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 03/09/2017

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

Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HF2

Grab/Collection Date: 01/19/2017 08:20
Date received: 01/19/2017 13:30

Additional Info: REPRESENTS CLEAR WELL

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: EHS1700002724-01

Sample Type: Finished Water

Received Temperature (°C): **12.9**
Received State: **Cooling**

Lab Tracking Id: HF2

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

Start Date: 1/20/2017 Analysis Date: 1/23/2017

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	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.

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

END OF REPORT

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Report No: **EHS1700002725-SR-1**

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Report Date: **03/06/2017**

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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: T. VICKERSON
Collected by:

Submitter's Reference Number: HF3

Grab/Collection Date: 01/19/2017 08:20
Date received: 01/19/2017 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
NY5 ELAP ID: 10763

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

Sample Id: EHS1700002725-01

Sample Type: Finished Water

Received Temperature (°C): **12.4**

Received State: **Cooling**

Lab Tracking Id: HF3

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

Start Date: 1/20/2017 Analysis Date: 1/23/2017

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**
Perfluoroheptanoic acid (PFHpA): **<2.00 ng/L**
Perfluorooctanoic acid (PFOA): **5.57 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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CLIA# 33D2005935

Report No: **EHS1700002726-SR-1**

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Report Date: **03/06/2017**

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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: T. VICKERSON
Collected by:

Submitter's Reference Number: HF4

Grab/Collection Date: 01/19/2017 08:20
Date received: 01/19/2017 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
NY5 ELAP ID: 10763

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

Sample Id: EHS1700002726-01

Sample Type: Finished Water

Received Temperature (°C): **12.9**

Received State: **Cooling**

Lab Tracking Id: HF4

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

Start Date: 1/20/2017 Analysis Date: 1/23/2017

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: **EHS1700002727-SR-1**

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Report Date: **03/06/2017**

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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: TIM VICKERSON
Collected by:

Submitter's Reference Number: FRB

Grab/Collection Date: 01/19/2017
Date received: 01/19/2017 13:30

Location/Project/Facility Name: FIELD REAGENT BLANK

Sampling Location Details: PREPARED ON: 1/18/17 - WITH SAMPLE(S): EHS1700002723 - 02726

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: EHS1700002727-01

Sample Type: Field Blank

Received Temperature (°C): **12.3**

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: 1/20/2017 Analysis Date: 1/23/2017

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**

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.

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

Report No: **EHS1700002728-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

Report retrieved via NYSDOH Health Commerce System by Irw03 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
Submitted by: JEFF WINERITER
Collected by:

Submitter's Reference Number: LRB

Grab/Collection Date: 01/19/2017
Date received: 01/19/2017 13:30

Location/Project/Facility Name: LABORATORY REAGENT BLANK
Sampling Location Details: PREPARED ON: 1/19/17 - EXTRACTED WITH: EHS1700002715-02727

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: EHS1700002728-01

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: 1/20/2017 Analysis Date: 1/23/2017

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	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.

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CLIA# 33D2005935

Report No: **EHS1700003939-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

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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: HFA

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: 01/26/2017

Date received: 01/26/2017 15:30

Additional Info: FROM CLEAR WELL

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: TEMP 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: EHS1700003939-01

Sample Type: Finished Water

Received Temperature (°C): **4.2**

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: 1/27/2017 Analysis Date: 1/30/2017

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**

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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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CLIA# 33D2005935

Report No: **EHS1700003940-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

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

Submitter's Reference Number: HFB

Grab/Collection Date: 01/26/2017 08:20
Date received: 01/26/2017 15:30

OUTBREAK #: HFPFOA

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

FINAL LABORATORY REPORT

Biggs Laboratory
NYSELAP ID: 10763

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

Sample Id: EHS1700003940-01

Sample Type: Finished Water

Received Temperature (°C): **2.6**

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: 1/27/2017 Analysis Date: 1/30/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L	
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L	
Perfluoroheptanoic acid (PFHpA):	<2.00 ng/L	
Perfluorooctanoic acid (PFOA):	5.59 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.

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CLIA# 33D2005935

Report No: **EHS1700003941-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

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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: HFC

Grab/Collection Date: 01/26/2017 08:20
Date received: 01/26/2017 15:30

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: TEMP 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: EHS1700003941-01

Sample Type: Finished Water

Received Temperature (°C): **4.5**

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: 1/27/2017 Analysis Date: 1/30/2017

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: **EHS1700003942-SR-1**

Page 1 of 1

Report Date: **03/06/2017**

Report retrieved via NYSDOH Health Commerce System by Irw03 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: RENNELAER
City (or) Town: HOOSICK FALLS
Submitted by: T. VICKERSON
Collected by:

Submitter's Reference Number: HFD

Grab/Collection Date: 01/26/2017 08:30
Date received: 01/26/2017 15:30

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
NYSELAP ID: 10763

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

Sample Id: EHS1700003942-01

Sample Type: Finished Water

Received Temperature (°C): **3.3**

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: 1/27/2017 Analysis Date: 1/30/2017

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L	
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L	
Perfluoroheptanoic acid (PFHpA):	15.2 ng/L	
Perfluorooctanoic acid (PFOA):	472 ng/L	NYSELAP
Perfluorooctanesulfonic acid (PFOS):	4.57 ng/L	NYSELAP
Perfluorononanoic acid (PFNA):	3.58 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.

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: **EHS1700003943-SR-1**

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Report Date: **03/06/2017**

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

Submitter's Reference Number: HFE

Grab/Collection Date: 01/26/2017 08:30
Date received: 01/26/2017 15:30

OUTBREAK #: HFPFOA

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

FINAL LABORATORY REPORT

Biggs Laboratory
NYSELAP ID: 10763

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

Sample Id: EHS1700003943-01

Sample Type: Finished Water

Received Temperature (°C): **2.4**

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: 1/27/2017 Analysis Date: 1/30/2017

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: **EHS1700003944-SR-1**

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Report Date: **03/06/2017**

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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: HFF

Grab/Collection Date: 01/26/2017 08:30
Date received: 01/26/2017 15:30

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: EHS1700003944-01

Sample Type: Finished Water

Received Temperature (°C): **1.4**

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: 1/27/2017 Analysis Date: 1/30/2017

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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CLIA# 33D2005935

Report No: **EHS1700003945-SR-1**

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Report Date: **03/06/2017**

Report retrieved via NYSDOH Health Commerce System by Irw03 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
Submitted by: TIM VICKERSON
Collected by:

Submitter's Reference Number: FRB

Grab/Collection Date: 01/26/2017
Date received: 01/26/2017 15:30

Location/Project/Facility Name: FIELD REAGENT BLANK

Sampling Location Details: PREPARED ON: 1/25/17 - WITH SAMPLE(S): EHS1700003939 - 3944

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: EHS1700003945-01

Sample Type: Field Blank

Received Temperature (°C): **5.7**

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: 1/27/2017 Analysis Date: 1/30/2017

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: **EHS1700004015-SR-1**

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Report Date: **03/06/2017**

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ALBANY NY 12201-0509

Wadsworth Center - Environmental Labs

County: RENSSELAER
Submitted by: J. WINERITER
Collected by:

Submitter's Reference Number: LRB

Grab/Collection Date: 01/27/2017
Date received: 01/27/2017

Location/Project/Facility Name: LABORATORY REAGENT BLANK
Sampling Location Details: PREPARED ON: 01/27/17 - EXTRACTED WITH: EHS1700003939 - 03945

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: EHS1700004015-01

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: 1/27/2017 Analysis Date: 1/30/2017

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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