

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: **EHS1600044579-SR-1**

Page 1 of 1

Report Date: **10/18/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 10/31/2016

REQUESTED BY: DIRECTOR-WCENVIRO

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

Submitter's Reference Number: HFC

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: 09/22/2016 08:00

Date received: 09/22/2016 15:00

Additional Info: WELL #7 IN USE

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: EHS1600044579-01

Sample Type: Finished Water

Received Temperature (°C): 7.5

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: 09/26/16 08:00 Analysis Date: 09/27/16 15:00

Perfluorobutanesulfonic acid (PFBS):	<1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS):	<1.89 ng/L
Perfluoroheptanoic acid (PFHpA):	9.66 ng/L
Perfluorooctanoic acid (PFOA):	416 ng/L
Perfluorooctanesulfonic acid (PFOS):	3.78 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.

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: **EHS1600044578-SR-1**

Page 1 of 1

Report Date: **10/18/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 10/31/2016

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: TIM VICKERSON
Collected by:

Submitter's Reference Number: HFB

Grab/Collection Date: 09/22/2016 07:56

Date received: 09/22/2016 15:00

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
NYS ELAP ID: 10763

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

Sample Id: EHS1600044578-01

Sample Type: Finished Water

Received Temperature (°C): 7.1

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: 09/26/16 08:00 Analysis Date: 09/27/16 15:00

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.

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: **EHS1600044576-SR-1**

Page 1 of 1

Report Date: **10/18/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 10/31/2016

REQUESTED BY: DIRECTOR-WCENVIRO

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

Submitter's Reference Number: HFA

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: 09/22/2016 07:54

Date received: 09/22/2016 15:00

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: EHS1600044576-01

Sample Type: Finished Water

Received Temperature (°C): **7.2**

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: 09/26/16 08:00 Analysis Date: 09/27/16 15:00

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.

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: **EHS1600044582-SR-1**

Page 1 of 1

Report Date: **10/18/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 10/31/2016

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: TIM VICKERSON
Collected by: TIM VICKERSON

Submitter's Reference Number: HFG

Grab/Collection Date: 09/22/2016 09:20
Date received: 09/22/2016 15:00

OUTBREAK #: HFPFOA

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

FINAL LABORATORY REPORT

Biggs Laboratory
NYS ELAP ID: 10763

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

Sample Id: EHS1600044582-01

Sample Type: Finished Water

Received Temperature (°C): 7.1

Lab Tracking Id: HFG

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

Start Date: 09/26/16 08:00 Analysis Date: 09/27/16 15:00

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.

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: **EHS1600044583-SR-1**

Page 1 of 1

Report Date: **10/18/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 10/31/2016

REQUESTED BY: DIRECTOR-WCENVIRO

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

Submitter's Reference Number: HFH

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: **09/22/2016**

Date received: **09/22/2016 15:00**

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: EHS1600044583-01

Sample Type: Finished Water

Received Temperature (°C): **7.1**

Lab Tracking Id: HFH

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

Start Date: 09/26/16 08:00 Analysis Date: 09/27/16 15:00

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**

NYSELAP

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

NYSELAP

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.

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: **EHS1600044586-SR-1**

Page 1 of 1

Report Date: **10/18/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 10/31/2016

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
Submitted by: TIM VICKERSON
Collected by: TIM VICKERSON

Grab/Collection Date: **09/22/2016**

Date received: **09/22/2016 15:00**

Location/Project/Facility Name: TRIP BLANK

Sampling Location Details: PREPARED ON: 09/21/16 - WITH SAMPLE(S): EHS1600044576, 578 - 585

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: EHS1600044586-01

Sample Type: Trip Blank

Received Temperature (°C): **7.3**

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: 09/26/16 08:00 Analysis Date: 09/27/16 15:00

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**

NYSELAP

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

NYSELAP

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.

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.