

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: **EHS1600037360-SR-1**

Page 1 of 1

Report Date: **08/19/2016**

Report retrieved via NYSDOH Health Commerce System by Irw03 on 09/06/2016

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: HFAC

Grab/Collection Date: 08/11/2016 09:50
Date received: 08/11/2016 13:45

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: EHS1600037360-01

Sample Type: Finished Water

Received Temperature (°C): **13.8**

Received State: **Cooling**

Lab Tracking Id: HFAC

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

Start Date: 08/12/16 08:00 Analysis Date: 08/12/16 16:00

Perfluorobutanesulfonic acid (PFBS): **2.31 ng/L**

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

Perfluoroheptanoic acid (PFHpA): **10.0 ng/L**

Perfluorooctanoic acid (PFOA): **424 ng/L**

ELAP

Perfluorooctanesulfonic acid (PFOS): **6.31 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

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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CLIA# 33D2005935

Report No: **EHS1600037359-SR-1**

Page 1 of 1

Report Date: **08/19/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 09/06/2016

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: HFAB

Grab/Collection Date: 08/11/2016 09:45
Date received: 08/11/2016 13:45

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: TEMP GAC BETWEEN
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: EHS1600037359-01

Sample Type: Finished Water

Received Temperature (°C): 13.6

Received State: Cooling

Lab Tracking Id: HFAB

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

Start Date: 08/12/16 08:00 Analysis Date: 08/12/16 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: **EHS1600037357-SR-1**

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Report Date: **08/19/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 09/06/2016

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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: HFAA

Grab/Collection Date: **08/11/2016 09:45**

Date received: **08/11/2016 13:45**

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: HOOSICK FALLS 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: EHS1600037357-01

Sample Type: Finished Water

Received Temperature (°C): **15.0**

Received State: **Cooling**

Lab Tracking Id: HFAA

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

Start Date: 08/12/16 08:00 Analysis Date: 08/12/16 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.

NOTES:

[1] Sample temperature upon receipt did not meet EPA Method 537 specifications of 10 °C.

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END OF REPORT

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Slingerlands, NY 12159
CLIA# 33D2005935

Report No: **EHS1600037361-SR-1**

Page 1 of 1

Report Date: **08/19/2016**

Report retrieved via NYSDOH Health Commerce System by lrw03 on 09/06/2016

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: HFAD

Grab/Collection Date: 08/11/2016 09:35
Date received: 08/11/2016 13:45

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: DPW RESTROOM CWT
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: EHS1600037361-01

Sample Type: Finished Water

Received Temperature (°C): **11.0**

Received State: **Cooling**

Lab Tracking Id: HFAD

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

Start Date: 08/12/16 08:00 Analysis Date: 08/12/16 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): **2.59 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.

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END OF REPORT

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

Report No: **EHS1600037362-SR-1**

Page 1 of 1

Report Date: **08/19/2016**

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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: HFAE

Wadsworth Center - Environmental Labs

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

Grab/Collection Date: 08/11/2016 09:20
Date received: 08/11/2016 13:45

OUTBREAK #: HFPFOA

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

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: EHS1600037362-01

Sample Type: Finished Water

Received Temperature (°C): **17.0**

Received State: **Cooling**

Lab Tracking Id: HFAE

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

Start Date: 08/12/16 08:00 Analysis Date: 08/12/16 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.

NOTES:

- [1] Sample temperature upon receipt did not meet EPA Method 537 specifications of 10 °C.

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CLIA# 33D2005935

Report No: **EHS1600037365-SR-1**

Page 1 of 1

Report Date: **08/19/2016**

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PO BOX 509
EMPIRE STATE PLAZA
ALBANY NY 12201-0509

Wadsworth Center - Environmental Labs

County: RENSSELAER
Submitted by: TIM VICKERSON

Submitter's Reference Number: FB

Grab/Collection Date: 08/11/2016
Date received: 08/11/2016 13:45

Location/Project/Facility Name: TRIP BLANK

Sampling Location Details: PREPARED ON: 08/10/16 - WITH SAMPLES: EHS1600037357 - 37364

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: EHS1600037365-01

Sample Type: Trip Blank

Received Temperature (°C): **16.2**

Received State: **Cooling**

Lab Tracking Id: FB

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

Start Date: 08/12/16 08:00 Analysis Date: 08/12/16 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:

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