

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: **EHS1600040100-SR-1**

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Report Date: **09/01/2016**

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: T.VICKERSON
Collected by: T.VICKERSON

Submitter's Reference Number: HF81

Grab/Collection Date: 08/25/2016 09:30

Date received: 08/25/2016 14:00

OUTBREAK #: HFPFOA

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

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: EHS1600040100-01

Sample Type: Finished Water

Received Temperature (°C): **12.3**

Received State: **Cooling**

Lab Tracking Id: HF81

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 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**

NELAP

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

NELAP

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.

NELAP: National Environmental Laboratory Approval Program Accreditation

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: **EHS1600040101-SR-1**

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Report Date: **09/01/2016**

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Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HF82

Grab/Collection Date: 08/25/2016 09:40

Date received: 08/25/2016 14:00

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: VILLAGE HIGHWAY GARAGE RESTROOM CWT
WATERWORKS 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: EHS1600040101-01

Sample Type: Finished Water

Received Temperature (°C): **12.3**

Received State: **Cooling**

Lab Tracking Id: HF82

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 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**

NELAP

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

NELAP

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

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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Report No: **EHS1600040102-SR-1**

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Report Date: **09/01/2016**

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Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HF83

Grab/Collection Date: <Not Given>
Date received: 08/25/2016 14:00

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: TEMP GAC EFFLUENT
WATERWORKS RD.
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: EHS1600040102-01

Sample Type: Finished Water

Received Temperature (°C): **10.7**
Received State: **Cooling**

Lab Tracking Id: HF83

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 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	NELAP
Perfluorooctanesulfonic acid (PFOS):	<1.91 ng/L	NELAP
Perfluorononanoic acid (PFNA):	<2 ng/L	

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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Slingerlands, NY 12159
CLIA# 33D2005935

Report No: **EHS1600040103-SR-1**

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Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HF84

Grab/Collection Date: 08/25/2016 09:55

Date received: 08/25/2016 14:00

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
NY'S ELAP ID: 10763

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

Sample Id: EHS1600040103-01

Sample Type: Finished Water

Received Temperature (°C): **10.2**

Received State: **Cooling**

Lab Tracking Id: HF84

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 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**

NELAP

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

NELAP

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

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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Report No: **EHS1600040104-SR-1**

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Wadsworth Center - Environmental Labs

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

Submitter's Reference Number: HF85

Grab/Collection Date: 08/25/2016 09:55
Date received: 08/25/2016 14:00

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
NY5 ELAP ID: 10763

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

Sample Id: EHS1600040104-01

Sample Type: Finished Water

Received Temperature (°C): **12.8**

Received State: **Cooling**

Lab Tracking Id: HF85

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 16:00

Perfluorobutanesulfonic acid (PFBS): **<1.77 ng/L**
Perfluorohexanesulfonic acid (PFHxS): **<1.89 ng/L**
Perfluoroheptanoic acid (PFHpA): **9.80 ng/L**
Perfluorooctanoic acid (PFOA): **445 ng/L**
Perfluorooctanesulfonic acid (PFOS): **6.27 ng/L**
Perfluorononanoic acid (PFNA): **<2 ng/L**

NELAP

NELAP

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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5668 State Farm Road
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Report No: **EHS1600040105-SR-1**

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Report Date: **09/01/2016**

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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: T.VICKERSON

Submitter's Reference Number: HF86

Grab/Collection Date: 08/25/2016 09:55
Date received: 08/25/2016 14:00

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: TEMP GAC INFLUENT DUPLICATE
Chlorinated: Yes

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: EHS1600040105-01

Sample Type: Finished Water

Received Temperature (°C): **11.1**

Received State: **Cooling**

Lab Tracking Id: HF86

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 16:00

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

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

Perfluoroheptanoic acid (PFHpA): **9.83 ng/L**

Perfluorooctanoic acid (PFOA): **445 ng/L**

NELAP

Perfluorooctanesulfonic acid (PFOS): **5.21 ng/L**

NELAP

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

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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Report No: **EHS1600040106-SR-1**

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Report Date: **09/01/2016**

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PO BOX 509
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Wadsworth Center - Environmental Labs

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

Grab/Collection Date: 08/25/2016
Date received: 08/25/2016 14:00

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS
Sampling Location Details: PREPARED ON 08.17.2016
WITH SAMPLES: EHS1600040100-40105
Chlorinated: No

FINAL LABORATORY REPORT

Biggs Laboratory
NY'S ELAP ID: 10763

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

Sample Id: EHS1600040106-01

Sample Type: Trip Blank

Received Temperature (°C): **11.3**
Received State: **Cooling**

Lab Tracking Id: TB

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

Start Date: 08/26/16 08:00 Analysis Date: 08/26/16 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	NELAP
Perfluorooctanesulfonic acid (PFOS):	<1.91 ng/L	NELAP
Perfluorononanoic acid (PFNA):	<2 ng/L	

The purpose of our sampling is to analyze for PFOA and/or PFOS. The standard battery of testing for PFOA and PFOS, as per U.S. EPA Method 537, includes four additional Perfluorinated Chemicals (PFCs): perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorononanoic acid (PFNA). These other PFCs may have been detected at very low concentrations-EPA has not established health advisories for these chemicals. All six PFCs are effectively removed from drinking water by granular activated carbon filtration systems.

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