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: EHS1600056727-SR-1 Page 1 of 1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

WADSWORTH CENTER **PO BOX 509** EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON Collected by: T. VICKERSON

Submitter's Reference Number: HF01

Grab/Collection Date: 12/15/2016 09:00

Date received: 12/15/2016 13:15

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. Kannań Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600056727-01

Received Temperature (°C): 7.9

Lab Tracking Id: HF01

Sample Type: Finished Water

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

Start Date: 12/16/2016 Analysis Date: 12/16/2016

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 na/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), perfluorohexanesulf 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

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: EHS1600056728-SR-1

Page 1 of 1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON Collected by: T. VICKERSON

Submitter's Reference Number: HF02

Grab/Collection Date: 12/15/2016 09:00 Date received: 12/15/2016 13:15

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 Lab Director: Dr. K. Kannan
NYS ELAP ID: 10763

Laboratory Contact: Dr. David Spink 518-486-2530

Sample Id: EHS1600056728-01 Sample Type: Finished Water

Received Temperature (°C): 8.8

Lab Tracking Id: HF02

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

Start Date: 12/16/2016 Analysis Date: 12/16/2016

Perfluorobutanesulfonic acid (PFBS): <1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS): <1.89 ng/L
Perfluoroheptanoic acid (PFHpA): 2.86 ng/L
Perfluorooctanoic acid (PFOA): 8.20 ng/L

Perfluorooctanoic acid (PFOA):

Perfluorooctanesulfonic acid (PFOS):

**1.91 ng/L*

NYSELAP

NYSELAP

Perfluorononanoic acid (PFNA): 2.17 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), perfluoronoanoic 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

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: EHS1600056729-SR-1

Page 1 of 1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

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

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

Submitter's Reference Number: HF03

Grab/Collection Date: 12/15/2016 09:00

Date received: 12/15/2016 13:15

OUTBREAK #: HFPFOA

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

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: EHS1600056729-01 Sample Type: Finished Water

Received Temperature (°C): 7.8

Lab Tracking Id: HF03

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

Start Date: 12/16/2016 Analysis Date: 12/16/2016

Perfluorobutanesulfonic acid (PFBS): <1.77 ng/L
Perfluorohexanesulfonic acid (PFHxS): <1.89 ng/L
Perfluoroheptanoic acid (PFHpA): 2.68 ng/L
Perfluorooctanoic acid (PFOA): 8.35 ng/L

Perfluorooctanoic acid (PFOA):

8.35 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), perfluoronoanoic 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

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: EHS1600056730-SR-1 Page 1 of 1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

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

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: HF04

Grab/Collection Date: 12/15/2016 09:02

Wadsworth Center - Environmental Labs

Date received: 12/15/2016 13:15

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS

Sampling Location Details: TEMP GAC INFLUENT

Chlorinated: Yes

FINAL LABORATORY REPORT

Laboratory of Organic Analytical Chemistry Biggs Laboratory NYS ELAP ID: 10763 Lab Director: Dr. K. Kannań

Contact: Dr. David Spink 518-486-2530

Sample Type: Finished Water

Sample Id: EHS1600056730-01

Received Temperature (°C): 7.8

Lab Tracking Id: HF04

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

Start Date: 12/16/2016 Analysis Date: 12/16/2016

Perfluorobutanesulfonic acid (PFBS): <1.77 ng/L Perfluorohexanesulfonic acid (PFHxS): <1.89 ng/L Perfluoroheptanoic acid (PFHpA): 14.4 ng/L Perfluorooctanoic acid (PFOA):

NYSELAP 482 ng/L Perfluorooctanesulfonic acid (PFOS): 5.23 ng/L **NYSELAP**

Perfluorononanoic acid (PFNA): 3.03 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), perfluorohexanesulf 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

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: EHS1600056731-SR-1 Page 1 of 1

NYSELAP

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES

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

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

Submitter's Reference Number: HF05

Grab/Collection Date: 12/15/2016 09:10 Date received: 12/15/2016 13:15

OUTBREAK #: HFPFOA

Location/Project/Facility Name: NY4100041, HOOSICK FALLS (V) PWS - HOOSICK FALLS Sampling Location Details: DPW GARAGE BATHROOM CWT

Chlorinated: Yes

FINAL LABORATORY REPORT

Biggs Laboratory NYS ELAP ID: 10763

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

Sample Id: EHS1600056731-01

Sample Type: Finished Water

Received Temperature (°C):

Perfluorooctanesulfonic acid (PFOS):

7.6

Lab Tracking Id: HF05

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

<1.91 ng/L

Start Date: 12/16/2016 Analysis Date: 12/16/2016

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

Perfluorononanoic acid (PFNA): <2.00 na/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), perfluorohexanesulf 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

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

Page 1 of 1

Report No: EHS1600056732-SR-1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER City (or) Town: HOOSICK FALLS Submitted by: T. VICKERSON Collected by: T. VICKERSON

Submitter's Reference Number: HF06

Grab/Collection Date: 12/15/2016 09:20 Date received: 12/15/2016 13:15

OUTBREAK #: HFPFOA

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

Sample Id: EHS1600056732-01

Received Temperature (°C):

8.4

Lab Tracking Id: HF06

8.4

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

Start Date: 12/16/2016 Analysis Date: 12/16/2016

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), perfluoronoanoic 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

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: EHS1600056733-SR-1 Page 1 of 1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509 County: RENSSELAER Submitted by: T. VICKERSON Collected by: T. VICKERSON

Submitter's Reference Number: FRB

Grab/Collection Date: 12/15/2016 Date received: 12/15/2016 13:15

Location/Project/Facility Name: FIELD REAGENT BLANK Sampling Location Details: PREPARED ON: 12/13/2016 WITH SAMPLES(S): EHS1600056727 - 56732

8.2

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: EHS1600056733-01

Sample Type: Field Blank

Received Temperature (°C):

Lab Tracking Id: FRB

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

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

Perfluorooctanoic acid (PFOA): **NYSELAP** <2.00 ng/L 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), perfluoronoanoic 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

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: EHS1600056734-SR-1

Page 1 of 1

Report Date: 12/22/2016

Report retrieved via NYSDOH Health Commerce System by Irw03 on 01/19/2017

REQUESTED BY: DIRECTOR-WCENVIRO

Wadsworth Center - Environmental Labs

DIRECTOR'S OFFICE DIVISION OF ENVIRONMENTAL HEALTH SCIENCES WADSWORTH CENTER PO BOX 509

County: RENSSELAER Submitted by: T. VICKERSON Collected by: T. VICKERSON

PO BOX 509 EMPIRE STATE PLAZA ALBANY NY 12201-0509

Submitter's Reference Number: LRB

Grab/Collection Date: 12/15/2016 Date received: 12/15/2016 13:15

Location/Project/Facility Name: LABORATORY REAGENT BLANK

Sampling Location Details: PREPARED ON: 12/15/2016 EXTRACTED WITH: EHS1600056727 - 56733

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: EHS1600056734-01

Mass Spectrometry (MS/MS): ISO 25101

Lab Tracking Id: LRB

Perfluoroalkyl Substances (PFASs) in Drinking Water by Ultra Performance Liquid Chromatography (UPLC) Tandem

Sample Type: Method Blank

Start Date: 12/16/2016 Analysis Date: 12/16/2016

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), perfluoronoanoic 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