

# PFOA Re-sample

Capital Region Environmental Laboratory

137 Columbia Turnpike, Rensselaer, NY 12144  
(518) 949-2020

**Averill Park Central School**

Attn: Aaron Heffner  
146 Gettle Road St. 1  
Averill Park, NY 12018

Printed On : 2/24/2021 Page 1 of 2

Sample ID: BC00971  
Date Received: 02/01/2021  
Time Received: 10:08  
Date Finalized: 2/24/2021  
PO Number:  
Your Ref:

Customer: Averill Park Central School  
Owner: Averill Park Central School  
Sample Loc: Algonquin MS 333 NY 351 Averill Park NY  
Sample Pt: Well #1

Collect Date: 02/01/2021  
Collect Time: 08:38  
Collected by: BRIAN COLLINS  
Receipt Temp: 5.7 C On Ice Chilling

Water Source: Well #1  
Chlorinated: No Field Residual Chlorine:

Potable: Yes  
Grab/Comp: Grab

## Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
4,8-dioxa-3H-perfluorononanoic acid	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorononanoic acid (PFNA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorodecanoic acid (PFDA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
N-EFOSAA	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluoroundecanoic acid (PFUnA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
N-MeFOSAA	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorododecanoic acid (PFDoA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorotridecanoic acid (PFTriDA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorotetradecanoic acid (PFTA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Hexafluoropropylene oxide dimer ac	<2.0		C+	ng/L	EPA 537.1	SUB*	2/22/2021
11Cl-PF3OUds (F53B Major)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
9Cl-PF3ONS (F53B Minor)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorobutanesulfonic acid (PFBS)	1.6		J	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorohexanoic acid (PFHxA)	27			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorohexanesulfonic acid (PFHxS)	1.6		J	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluoroheptanoic acid (PFHpA)	4.5			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorooctanoic acid (PFOA)	12	10	X	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorooctanesulfonic acid (PFOS)	9.6	10		ng/L	EPA 537.1	SUB*	2/22/2021

**Qualifiers Key:**

- |  |  |                             |
|--|--|-----------------------------|
| X Exceeds maximum contamination limit                      | R Duplication outside acceptance limits                | H Hold time exceeded        |
| T Temperature outside specifications                       | A Sample contained air bubble or headspace             | B Analyte detected in blank |
| C(+/-) CCV outside acceptable limits                       | Z Analysis is not state-certified                      | G Incorrect bottle received |
| S(+/-) Lab control sample outside acceptance limits        | M(+/-) Matrix spike recovery outside acceptance limits | P Sample preserved at lab   |
| J Analyte detected below quantitation limit                |  |                             |
| (+ Result may be biased high / - Result may be biased low) |  |                             |

Legend: < Less Than, > Greater Than mg/L = PPM, ug/L = PPB If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards.

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

**Comments:**

PFOA/PFOS: SUB\* PFOA/PFOS analyses were completed by NYS DOH Lab. #10899. The subcontract lab noted that the continuing calibration verification (CCV) for hexafluoropropylene oxide dimer did not meet method specifications biased high.

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Date Finalized: 2/24/2021  
PO Number:  
Your Ref:

Customer: Averill Park Central School  
Owner: Averill Park Central School  
Sample Loc: Algonquin MS 333 NY 351 Averill Park NY  
Sample Pt: Well #1

Collect Date: 02/01/2021  
Collect Time: 08:38  
Collected by: BRIAN COLLINS  
Receipt Temp: 5.7 C On Ice Chilling

Water Source: Well #1  
Chlorinated: No Field Residual Chlorine

Potable: Yes  
Grab/Comp: Grab

Result was not affected.

Surrogates:

13C-PFHxA 93.5% (70-130%)  
M3HFPO-DA 98.7% (70-130%)  
13C-PFDA 85.5% (70-130%)  
D5-NEtFOSAA 94.5% (70-130%)

FIELD BLANK:

All Components <2.0

Surrogates:

13C-PFHxA 93.7% (70-130%)  
M3HFPO-DA 97.6% (70-130%)  
13C-PFDA 85.7% (70-130%)  
D5-NEtFOSAA 92.2% (70-130%)

Test procedures for all analyses meet NELAC requirements unless noted. If you have any questions, please call the laboratory.

Brian Collins  
Lead Technical Director Environmental Laboratory  
and contact person  
If you have questions, please call.  
(518) 949-2020

Reviewed by Brian Collins  
These results relate to samples as received.

New York State DOH E.L.A.P. # 10350

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Sample ID: BC00972  
Date Received: 02/01/2021  
Time Received: 10:08  
Date Finalized: 2/24/2021  
PO Number:  
Your Ref:

Customer: Averill Park Central School  
Owner: Averill Park Central School  
Sample Loc: Algonquin MS 333 NY 351 Averill Park NY  
Sample Pt: Well #2

Collect Date: 02/01/2021  
Collect Time: 08:45  
Collected by: BRIAN COLLINS  
Receipt Temp: 5.7 C On Ice Chilling

Water Source: Well #2  
Chlorinated: No Field Residual Chlorine:

Potable: Yes  
Grab/Comp: Grab

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
N-MeFOSAA	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
9CI-PF3ONS (F53B Minor)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
11CI-PF3OUds (F53B Major)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Hexafluoropropylene oxide dimer ac	<2.0		C+	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorotetradecanoic acid (PFTA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorododecanoic acid (PFDoA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluoroundecanoic acid (PFUnA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
N-EtFOSAA	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorodecanoic acid (PFDA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorononanoic acid (PFNA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
4,8-dioxa-3H-perfluorononanoic acit	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorotridecanoic acid (PFTrDA)	<2.0			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorobutanesulfonic acid (PFBS)	1.6		J	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorohexanoic acid (PFHxA)	28			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorohexanesulfonic acid (PFHx)	1.5		J	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluoroheptanoic acid (PFHpA)	4.3			ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorooctanoic acid (PFOA)	12	10	X	ng/L	EPA 537.1	SUB*	2/22/2021
Perfluorooctanesulfonic acid (PFOS)	9.2	10		ng/L	EPA 537.1	SUB*	2/22/2021

Qualifiers Key:

- X Exceeds maximum contamination limit
- T Temperature outside specifications
- C(+/-) CCV outside acceptable limits
- S(+/-) Lab control sample outside acceptance limits
- J Analyte detected below quantitation limit
- (+ Result may be biased high / - Result may be biased low)
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- A Sample contained air bubble or headspace
- Z Analysis is not state-certified
- M(+/-) Matrix spike recovery outside acceptance limits
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- G Incorrect bottle received
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Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00 00 is reported

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Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-5C and not frozen.

Comments:

PFOA/PFOS: SUB\* PFOA/PFOS analyses were completed by NYS DOH Lab. #10899. The subcontract lab noted that the continuing calibration verification (CCV) for hexafluoropropylene oxide dimer did not meet method specifications biased high.

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PO Number:  
Your Ref:

Customer: Averill Park Central School  
Owner: Averill Park Central School  
Sample Loc: Algonquin MS 333 NY 351 Averill Park NY  
Sample Pt: Well #2

Collect Date: 02/01/2021  
Collect Time: 08:45  
Collected by: BRIAN COLLINS  
Receipt Temp: 5.7 C On Ice Chilling

Water Source: Well #2  
Chlorinated No Field Residual Chlorine

Potable: Yes  
Grab/Comp: Grab

Result was not affected.

Surrogates:

13C-PFHxA 98.2% (70-130%)  
M3HFPO-DA 103% (70-130%)  
13C-PFDA 86.3% (70-130%)  
D5-NEIFOSAA 94.7% (70-130%)

FIELD BLANK:

All Components <2.0

Surrogates:

13C-PFHxA 112% (70-130%)  
M3HFPO-DA 118% (70-130%)  
13C-PFDA 97.5% (70-130%)  
D5-NEIFOSAA 101% (70-130%)

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Lead Technical Director Environmental Laboratory  
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*Water Source:* Well #1  
*Chlorinated:* No *Field Residual Chlorine:*

*Potable:* Yes  
*Grab/Comp:* Grab

**L a b o r a t o r y R e p o r t**

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
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**Qualifiers Key:**

- |   |  |                             |
|---|--|-----------------------------|
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 Sample Pt: Well #1

Collect Date: 02/01/2021  
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Water Source: Well #1  
 Chlorinated: No Field Residual Chlorine:

Potable: Yes  
 Grab/Comp: Grab

Result was not affected.

Surrogates:

13C-PFHxA 93.5% (70-130%)  
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FIELD BLANK:

All Components <2.0

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