

Send Report to:

Temperature Blank: 0.0 °C
TY 3/1/21

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 006-0009-Aw1 Plant/Site Name: Pleasant Valley well 1 County: Carroll
 Location: Plant Sample Source: High Street Town or City: Pleasant Valley
 Collector/ID: Shawn Lowman Phone No.: 410-294-7884

County: 006 System No.: 00009 Plant No.: 01 Date Collected: 3 / 1 / 2021 Time Collected: 7:10 am
 PWSID: 0060009 Free Cl: 0.0 Total Cl: 0.0

Field Data: pH 6.2
 Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> PFAS		<input checked="" type="checkbox"/> Tri.2m1	


E21002282001
 Received: 03/01/2021 EPA 537.1
 Organics SI 0060009RW1

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002282001

Method: EPA 537.1 - PFAS

Date Received: 03/01/2021

Date Collected: 03/01/2021

Field ID: 0060009RW1

Submitted By: Shown Lowman

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/10/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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JY 3/1/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 006-000-9AW2 Plant/Site Name: Pleasant Valley well 2 County: Carroll

Location: Plant Sample Source: High Street Pleasant Valley
Town or City

Collector/ID: Shawn Lowman 0076 SL Phone No.: 410-294-7884

System No. 0060009 PWSID 02 Plant No. 312021 Date Collected 720 am Time Collected

Field Data: pH 6.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8200 (VOCs) 537.1 1745		<input checked="" type="checkbox"/> Trioma	


E21002282002
 Received: 03/01/2021 EPA 537.1
 Organics 0060009RW2
 SZ

Remarks:

Lab Supervisor:

Date Reported:

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002282002

Method: EPA 537.1 - PFAS

Date Received: 03/01/2021

Date Collected: 03/01/2021

Field ID: 0060009RW2

Submitted By: Shown Lowman

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 03/10/2021

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: MLP TILE SPG Plant/Site Name: Mountain Lake Park County: Carroll

Location: Raw Talc well Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 62255H Phone No.: 4104467432

System No. 0110007 Plant No. 01 Date Collected 3/2/2021 Time Collected 1015
PWSID

Field Data: pH 6.7 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>SPAS</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank <u>NO COLOR CODE</u>	<input checked="" type="checkbox"/> HCL <u>1612MA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002318001
Received: 03/03/2021 EPA 537.1
Organics S3 MLP TILE SPG

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002318001

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: MLP.TILE SPG

Submitted By: HOLT

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/10/2021

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

DM 3/3/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: W5-GA951183 Plant/Site Name: Mountain Lake Park County: Garrett

Location: Raw the wells Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 632304 Phone No.: 4104467432

System No. 0007 PWSID 0110007 Plant No. 01 Date Collected 3/2/2021 Time Collected 1030 am

Field Data: pH 7.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Atoclor		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 Volatiles 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank <u>Blue</u>	<input checked="" type="checkbox"/> FT-HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002318002
Received: 03/03/2021 EPA 537.1
Organics 84 W5-GA951183

Remarks:

Lab Supervisor: _____ Date Reported: _____/_____/_____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002318002

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: W5-GA951183

Submitted By: HOLT

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/10/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI-GA 950986 Plant/Site Name: Mountain Lake Park County: Garrett

Location: RAW MAP e well 1 Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 632307 Phone No.: 4104467432

System No. 0007 Plant No. 01 Date Collected 3/2/2021 Time Collected 1045 am

Field Data: pH 7.2 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>BTAS</u>	<input type="checkbox"/> Field Blank <u>BLUE</u>	<input checked="" type="checkbox"/> HCL TRIZNA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002318003
 Received: 03/03/2021 EPA 537.1
 Organics **55** W1-GA950986

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002318003

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: W1-GA950986

Submitted By: HOLT

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneem* Approval date: 03/10/2021

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Division of Environmental Chemistry
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1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

3/5/21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: W2-GA 950987 Plant/Site Name: Mountain Lake Park County: Garrett

Location: RAW TAP e well 2 Sample Source: _____
Town or City

Collector/ID: Holt 6323017 Phone No.: 4104467432

System No. 0007 Plant No. 01 Date Collected 3/2/2021 Time Collected 11:50 am

Field Data: pH 7.3 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs PFAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank blue	<input checked="" type="checkbox"/> HCL TRZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002318004
 Received: 03/03/2021 EPA 537.1
 Organics **56** W2-GA950987

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AND RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002318004

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: W2-GA950987

Submitted By: HOLT

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneem Approval date: 03/10/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
3/3/21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: W6-GA951211 Plant/Site Name: Mountain Lake Park County: Garrett

Location: Raw Tap Well 6 Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 632377 Phone No.: 4104467432

County: 011 System No.: 0007 PWSID: 0110007 Plant No.: 01 Date Collected: 3/2/2021 Time Collected: 1130 am

Field Data: pH 6.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524-2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs PPAs	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank Blue	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002318005
Received: 03/03/2021 EPA 537.1
Organics \$7 W6GA951211F1

E21002318006
Received: 03/03/2021 EPA 537.1
Organics \$7 W6-GA951211

Remarks: _____
Date Reported: ____/____/____

Lab Supervisor: _____
Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002318005

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: W6GA951211FB

Submitted By: HOLT

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/10/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002318006

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: W6-GA951211

Submitted By: HOLT

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/10/2021

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Send Report to:

Temperature Blank: _____ °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: AA84345
~~002-0042~~

Plant/Site Name: US Naval Academy County: AA

Location: Well 15

Sample Source: Perry Circle, Annapolis
Town or City

Collector/ID: RLynch/1121RL

Phone No.: 443-845-6115

System No. 0042 PWSID 0020042 Plant No. Date Collected 3 / 2 / 20 21 Time Collected 10:00 am

Field Data: pH 7.7 Free Cl: Total Cl:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>	<input checked="" type="checkbox"/> Field Blank	<u>TRIZMA</u>	

E21002323001
Received: 03/03/2021 EPA 537.1
Organics **S8** AA84345

E21002323002
Received: 03/03/2021 EPA 537.1
Organics **F8** AA84345FB

Remarks:

Date Reported: ____/____/____

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002323001

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: AA84345

Submitted By: R. LYNCH

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/10/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002323002

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: AA84345FB

Submitted By: R. LYNCH

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: <u><i>Sadia Munir</i></u>	Approval date: <u>03/10/2021</u>
----------------------------------------	----------------------------------

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: _____ °C

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: AA 884329
0020042 Plant/Site Name: US Naval Academy County: AA
Location: Well 16 Sample Source: _____
Collector/ID: Rlynch/121RL Phone No.: 443-845-6115

Street: Perry Circle Town or City: Annapolis

City: 002 System No.: 0042 Plant No.: 0020042 Date Collected: 3/2/2021 Time Collected: 11:00 am

Field Data: pH 7.5 Free Cl: ✓ Total Cl: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>	<input type="checkbox"/> Field Blank	<u>ATRIZMA</u>	


E21002323003
Received: 03/03/2021 EPA 537.1
Organics 59 AA884329

Remarks: _____
Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002323003

Method: EPA 537.1 - PFAS

Date Received: 03/03/2021

Date Collected: 03/02/2021

Field ID: AA884329

Submitted By: R. LYNCH

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Munir* Approval date: 03/10/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

RA 31412A

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-02(530) Plant/Site Name: NAS Bldg 530 County: St. Marys

Location: Well House Tap Sample Source: Pax River
Town or City

Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091

System No. 0022 PWSID 0180022 Plant No. 02 Date Collected 3 / 3 / 2021 Time Collected 0845 am

Field Data: pH 9.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank		
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	



E21002339001
Received: 03/04/2021 EPA 537.1
Organics 018-0022-02 (5:
S10

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339001

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-02 (530)

Submitted By: Wose

Date Analyzed: 03/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/16/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

RH 3/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-02(2276) Plant/Site Name: NAS Bldg 2276 County: St. Marys
Location: Well House Tap Sample Source: _____ Street: _____
Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091 Pax River
Town or City


County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 02 Date Collected: 3 / 3 / 2021 Time Collected: 0915 am/pm

Field Data: pH 9.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002339002
Received: 03/04/2021 EPA 537.1
Organics 018-0022-02 (2:)

Remarks:

Lab Supervisor: _____

Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339002

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-02 (2276)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 03/16/2021

***All results are in parts per trillion pptf; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
RH 3/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-02(53) Plant/Site Name: NAS Bldg 531 County: St. Marys
 Location: Well House Tap Sample Source: _____ Street _____ Town or City _____
 Collector/ID: C. Wose / ~~1058CW~~ Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 02 Date Collected: 3 / 3 / 20 21 Time Collected: 0930 am

Field Data: pH 8.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002339003
 Received: 03/04/2021 EPA 537.1
 Organics 018-0022-02 (5)

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339003

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-02 (531)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/16/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

RH 3/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-17 (527) Plant/Site Name: NAS Bldg 527 County: St. Marys

Location: Well House Tap Sample Source: Pax River Town or City

Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 17 Date Collected: 3 / 3 / 2021 Total Cl: 0.0 Time Collected: 0945 am

Field Data: pH 9.0 Free Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA CWA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) PFAS 537.1		Trizma	


E21002339004
Received: 03/04/2021 EPA 537.1
Organics 018-0022-17 (5)

Remarks:

Lab Supervisor: _____ Date Reported: _____/_____/_____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339004

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-17 (527)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 03/16/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

RA 3/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-03(574) Plant/Site Name: NAS Bldg 574 County: St. Mary's

Location: Well House Tap Sample Source: Pax River
Town or City

Collector/ID: C.Wose/1058CW Phone No.: 410-960-7091


County: 018 System No. 0022 PWSID 0180022 Plant No. 03 Date Collected 3 / 3 / 2021 Time Collected 1015 am

Field Data: pH 8.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002339005
Received: 03/04/2021 EPA 537.1
Organics 018-0022-03 (5)

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339005

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-03 (574)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/16/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

RH 3/1/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-19 (584) Plant/Site Name: NAS Bldg 584 County: St. Marys
 Location: Well House Tap Sample Source: _____ Street: _____ Town or City: Pax River
 Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091


County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 19 Date Collected: 3 / 3 / 2021 Time Collected: 1030 am

Field Data: pH 9.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8200 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002339006
 Received: 03/04/2021 EPA 537.1
 Organics 018-0022-19 (5i)

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339006

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-19 (584)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafauro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneez Approval date: 03/16/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
RH 3/17/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-04 (2275)

Plant/Site Name: NAS Bldg 2275

County: St. Marys

Location: Well House Tap

Sample Source: _____
Street

Town of City
Pax River

Collector/ID: C. Wose / 1058CW

Phone No.: 410-960-7091

County 018 System No. 0022

PWSID 0180022

Plant No. 04

Date Collected 3 / 3 / 2021

Time Collected 1045 am

Field Data: pH 9.0


Free Cl: 0.0

Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002339007
 Received: 03/04/2021 EPA 537.1
 Organics 018-0022-04 (2:)

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339007

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-04 (2275)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/16/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
RH 3/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-04(523) Plant/Site Name: NAS Bldg 523 County: St. Marys
Location: Well House Tap Sample Source: Pax River
Town or City

Collector/ID: CWose / 1058CW Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 04 Date Collected: 3 / 3 / 2021 Time Collected: 1100 am

Field Data: pH 9.0 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 5200 (VOCs) <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002339008
Received: 03/04/2021 EPA 537.1
Organics 018-0022-04 (5;

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339008

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-04 (523)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 03/16/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
RH 3/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-04(575) Plant/Site Name: NAS Bldg 575 County: St. Marys

Location: Well House Tap Sample Source: Pax River Town or City

Collector/ID: C. Wose/1058CW Phone No.: 410-960-7091


County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 04 Date Collected: 3 / 3 / 2021 Time Collected: 1115 am/pm

Field Data: pH 8.7 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: RCRA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 (VOCs) <u>537.1</u> <u>PFAS</u>		<u>Trizma</u>	


E21002339009
 Received: 03/04/2021 EPA 537.1
 Organics 018-0022-04 (5)

Remarks:

Date Reported: ___/___/___

Lab Supervisor: _____ Date Reported: ___/___/___

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002339009

Method: EPA 537.1 - PFAS

Date Received: 03/04/2021

Date Collected: 03/03/2021

Field ID: 018-0022-04 (575)

Submitted By: Wose

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorooctanoic acid (PFHxS)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 03/16/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:
 State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
 20
 3/5/21

Bottle No.: 008-0058-20

Plant/Site Name: MD008 0058

County: Charles

Location: well 1 CH94 6563

Sample Source: _____ Street _____ Town or City _____

Collector/ID: S. Klein

Phone No.: 410-404-2265

County: 008 System No. 0058 PWSID 0080058 Plant No. 20 Date Collected 3/5/2021 Time Collected 1000 am/pm

Field Data: pH 6.64 Free Cl: 0.09 Total Cl: 0.15

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 PFAS		TriSma	


E21002379001
 Received: 03/05/2021 EPA 537.1
 Organics 008005820

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002379001

Method: EPA 537.1 - PFAS

Date Received: 03/05/2021

Date Collected: 03/05/2021

Field ID: 008005820

Submitted By: SIKLEIN

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 03/16/2021

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Send Report to:

Send report To:
MDE/WMA
Water Supply Program
1800 Washington Blvd.
Baltimore, MD 21230

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

ZC 3/5/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 008-0058-16

Plant/Site Name: MD0080058

County: Charles

Location: 16A BLDG 1728 CH810572

Sample Source: Indian Head
Town or City

Collector/ID: S. Klein

Phone No.: 410-404-2265

008

0058

16

3 / 5 / 2021

1015

System No.

PWSID

Plant No.

Date Collected

Time Collected

Field Data: pH 7.49

Free Cl: 0.03


Total Cl: 0.12

Sample Type: Drinking water Landfill Source (water)
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community Other

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank		
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 PFAS		Trisma	


E21002379002
 Received: 03/05/2021 EPA 537.1
 Organics 008-0058-16

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002379002

Method: EPA 537.1 - PFAS

Date Received: 03/05/2021

Date Collected: 03/05/2021

Field ID: 008-0058-16

Submitted By: SIKLEIN

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

***All results are in parts per trillion pptf; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
 This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call 443-681-3857 and arrange for return or destruction.

Send Report to:

Send report To:
MDE/WMA
Water Supply Program
1800 Washington Blvd.
Baltimore, MD 21230

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

2C 3/5/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 208-0058-15 Plant/Site Name: MD008 0058 County: Charles

Location: 15 BLDG 1893 CH20116 Sample Source: Indian Head
Street Town or City

Collector/ID: S. Klein 00635k Phone No.: 410-404-2265

County: 008 System No.: 0080058 Plant No.: 15 Date Collected: 3/5/2021 Time Collected: 1030am

Field Data: pH _____ Free Cl: _____ Total Cl: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles)	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 VOCs PFAS 537.1		Trisma	


E21002379003
 Received: 03/05/2021 EPA 537.1
 Organics 008-0058-15

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002379003

Method: EPA 537.1 - PFAS

Date Received: 03/05/2021

Date Collected: 03/05/2021

Field ID: 008-0058-15

Submitted By: SIKLEIN

Date Analyzed: 03/10/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sarah Stinson Approval date: 03/16/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 10 °C
3-10-21 PM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: GA940881

Plant/Site Name: Meadow Park Well 2

County: Garrett

Location: RAW NP e Pressure Tank Sample Source:

Street _____ Town or City _____

Collector/ID: Holt 6323DH

Phone No.: 4104467432

011 System No. 0231

0110231

01 Plant No.

3 / 9 / 20 21 Date Collected 830 pm Time Collected

Field Data: pH 6.8

Free CI: 0.0

Total CI: 0.0

Sample Type: Drinking water

Landfill

Oil

Private

Stream

Distribution (treated)

Solid

Community

Soil/Sediment

Water Treatment Plant POE

Other

Non-Community

Specify Program: SDWA

NPDES

RCRA


CWA


CERCLA

Consumer Products

Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Atoclor	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL <u>1:2 ml</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002416001
Received: 03/10/2021 EPA 537.1
Organics GA940881


E21002416002
Received: 03/10/2021 EPA 537.1
Organics 30921JHFB

Remarks: _____

Remarks:

Lab Supervisor: _____

Date Reported: _____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002416001

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: GA940881

Submitted By: Holt

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.35
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002416002

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 30921JHFB

Submitted By: Holt

Date Analyzed: 03/11/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

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Send Report to:

Temperature Blank: 1.0 °C
3-10-21 PM

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 010215W3 Plant/Site Name: Rocky Gap MHP - Wells County: Allegheny

Location: Wells 3, dipped from Sample Source: 4" PVC access to storage 'well'
Street Town or City

Collector/ID: Holt 6323DH Phone No.: 4104467482

County: 001 System No.: 0215 PWSID: 0010215 Plant No.: 01 Date Collected: 3/9/2021 Time Collected: 1145
am/pm

Field Data: pH 6.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <i>PPAS</i>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank <i>EQUIP MONT BLANK</i>	<input checked="" type="checkbox"/> HCL PERM <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002416003
 Received: 03/10/2021 EPA 537.1
 Organics 010215W3

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002416003

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 010215W3

Submitted By: Holt

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/16/2021

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Send Report to:

Temperature Blank: 1.0 °C
310-210m

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: AL730071 Plant/Site Name: Rocky Gap MHP Well County: Allegany
Location: Inlet of well into storage tank (underground) Street: Town or City:
Collector/ID: Holt 632501 Phone No.: 4104467432

System No. 0010215 Plant No. 01 Date Collected 3/9/2021 Time Collected 1155 am/pm

Field Data: pH 6.3 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs PPAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL 12MA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002416004
Received: 03/10/2021 EPA 537.1
Organics AL730071

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002416004

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: AL730071

Submitted By: Holt

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 03/16/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
3-10-21 AM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: AL730582

Plant/Site Name: Rocky Gap mHP Well 2

County: Allegany

Location: Inlet of well into

Sample Source: underground storage tank
Street Town or City

Collector/ID: Holt 632307

Phone No.: 4104467432

County: 001 System No.: 0215

PWSID: 0010215 Plant No.: 01

Date Collected: 3/9/2021 Time Collected: 1200
am/pm

Field Data: pH 6.3

Free CI: 0.0


Total CI: 0.0

Sample Type: Drinking water Landfill Source (water)
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community Other

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input type="checkbox"/> EPA Method 8260 (VOCs)			



E21002416005
Received: 03/10/2021 EPA 537.1
Organics AL730582

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002416005

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: AL730582

Submitted By: Holt

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/16/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-18(532) Plant/Site Name: NAS Bldg 532 County: St. Marys
 Location: Well House Tap Sample Source: _____ Town or City: Pax River
 Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 18 Date Collected: 3/9/2021 Time Collected: 0930 am

Field Data: pH 8.7 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 504.1 <u>537.1</u> <u>PFAS</u>		<u>Trizma</u>	


E21002417001
 Received: 03/10/2021 EPA 537.1
 Organics 018-0022-18(52)

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417001

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-18(532)

Submitted By: C.Wose

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-Z1(529) Plant/Site Name: NAS Bldg 529 County: St. Marys

Location: Well House Tap Sample Source: Pax River
Street Town or City

Collector/ID: C. Wose/1058CW Phone No.: 410-960-7091


County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 21 Date Collected: 3/9/2021 Time Collected: 1015 am

Field Data: pH 9.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 PFAS		Trizma	


E21002417002
 Received: 03/10/2021 EPA 537.1
 Organics 018-0022-21(52)

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417002

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-21(529)

Submitted By: C.Wose

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/16/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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MDH - Laboratories Administration
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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
3-10-21 SM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-15(583) Plant/Site Name: NAS Bldg 583 County: St. Marys
 Location: Well House Tap Sample Source: _____ Street: _____ Town or City: Pax River
 Collector/ID: C.Wose/1058CW Phone No.: 410-960-7091


County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 15 Date Collected: 3 / 9 / 2021 Time Collected: 1030 am

Field Data: pH 9.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 <u>PFAS 537.1</u>		<u>Trizma</u>	


E21002417003
 Received: 03/10/2021 EPA 537.1
 Organics 018-0022-15(58)

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417003

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-15(583)

Submitted By: C.Wose

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneez Approval date: 03/16/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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3-10-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-05(590) Plant/Site Name: NAS Bldg 590 County: St. Marys

Location: Well House Tap Sample Source: Pax River
Town or City

Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 05 Date Collected: 3 / 9 / 2021 Time Collected: 1045 am

Field Data: pH 9.0 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFAS</u>		<u>Trizma</u>	

Barcode: E21002417004
Received: 03/10/2021 EPA 537.1
Organics 018-0022-05(590)

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417004

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-05{590}

Submitted By: C.Wose

Date Analyzed: 03/12/2021

Contaminant

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/16/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-16(587) Plant/Site Name: NAS Bldg 587 County: St. Marys

Location: well House Tap Sample Source: Pax River
Street Town or City

Collector/ID: C. Wose / 1058CW Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 16 Date Collected: 3/9/2021 Time Collected: 1100 am

Field Data: pH 9.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 <u>537.1</u> <u>PFAS</u>		<u>Trizma</u>	


E21002417005
 Received: 03/10/2021 EPA 537.1
 Organics 018-0022-16(58)

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417005

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-16(587)

Submitted By: C.Wose

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Page 5 of 7

S:\EnviroFinal-Organics-PFAS.r

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
3-10-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-01(524) Plant/Site Name: NAS Bldg 524 County: St. Marys
 Location: Well House Tap Sample Source: _____ Street _____
 Collector/ID: C. Wose/1058CW Phone No.: 410-960-7091 Pax River
 Town or City

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 01 Date Collected: 3/9/2021 Time Collected: 11:50 AM

Field Data: pH 8.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 <u>537.1</u> <u>PFAS</u>		<u>Trizma</u>	


E21002417006
 Received: 03/10/2021 EPA 537.1
 Organics 018-0022-01(52)

Remarks: _____

Lab Supervisor: _____

Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417006

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-01(524)

Submitted By: C.Wose

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

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Send Report to:

Temperature Blank: 1.0 °C
3-10-21 AM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 018-0022-01 (522) Plant/Site Name: NAS Bldg 522 County: St. Marys

Location: Well House Tap Sample Source: _____
Pax River
Town or City

Collector/ID: C. Wase/1058CW Phone No.: 410-960-7091

County: 018 System No.: 0022 PWSID: 0180022 Plant No.: 01 Date Collected: 3/9/2021 Time Collected: 1130 AM

Field Data: pH 9.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCS) <u>PFAS</u> <u>537.1</u>		<u>Trizma</u>	


E21002417007
 Received: 03/10/2021 EPA 537.1
 Organics 018-0022-01(52)

Remarks:

Lab Supervisor:

Date Reported:

• Phone: (443) 681-3857 • Fax: (443) 681-4507

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MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002417007

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/09/2021

Field ID: 018-0022-01(522)

Submitted By: C.Wose

Date Analyzed: 03/12/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/16/2021

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PFAS

State of Maryland
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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 030011W9 Plant/Site Name: SUNNYBROOK-003-0011-TP01 County: BALTO

Location: SUNNYBROOK-RAW Sample Source: SUNNYVIEW DR Town or City

Collector/ID: RASMUSSEN/2302-12-517 Phone No.: 4435204918

County: 003 System No.: 0011 PWSID: [] [] [] [] [] [] [] [] [] [] Plant No.: 01 Date Collected: 3/10/2021 Time Collected: 0930 am/pm

Field Data: pH 6.8 Free Cl: [] Total Cl: []

Sample Type: [x] Drinking water [] Landfill [] Source (water) [] Oil [] Private [] Stream [] Distribution (treated) [] Solid [] Community [] Soil/Sediment [] Water Treatment Plant POE [x] Other RAW [] Non-Community []

Specify Program: [x] SDWA [] NPDES [] RCRA [] CWA [] CERCLA [] Consumer Products [] Other []

Table with 4 columns: Test Requested, Field & Trip Blank, Preservative Used, Comment. Rows include EPA Methods 504.1, 508, 515.3, 525.2, 531.2, 552.2, 8270, and 8260.

Barcode and receipt information: E21002418001, Received: 03/10/2021, EPA 537.1 Organics, 030011W9

Large empty rectangular box for notes or additional data.

Large empty rectangular box for notes or additional data.

Remarks:

Lab Supervisor:

Date Reported: / /

Phone: (443) 681-3857 Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002418001

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/10/2021

Field ID: 030011W9

Submitted By: Rasmussen

Date Analyzed: 03/22/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.17
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/25/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA040885 Plant/Site Name: SUNNYBROOK 003-0011-TP01 County: BALTO

Location: SUNNYBROOK 2 - RAW Sample Source: SUNNYVIEW DR Town or City

Collector/ID: RASMUSSEN/2302.12.577 Phone No.: 443 520 4918

System No. 0011 PWSID Plant No. 01 Date Collected 3/10/2021 Time Collected 0945 am/pm

Field Data: pH 6.3 Free Cl: Total Cl:

Sample Type: [X] Drinking water [] Landfill [] Source (water) [] Oil [] Private [] Stream [] Distribution (treated) [] Solid [X] Community [] Soil/Sediment [] Water Treatment Plant POE [X] Other PAW [] Non-Community []

Specify Program: [X] SDWA [] NPDES [] RCRA [] CWA [] CERCLA [] Consumer Products [] Other

Table with 4 columns: Test Requested, Field & Trip Blank, Preservative Used, Comment. Includes rows for EPA Methods 504.1, 508, 515.3, 525.2, 531.2, 552.2, 8270, and 8260.

Barcode: E21002418002 Received: 03/10/2021 EPA 537.1 Organics BA040885

Table with 2 columns: Field & Trip Blank, Preservative Used, Comment. Includes handwritten notes like '1:1 HCL + Ascorbic acid' and 'Sodium thiosulfate'.

Remarks: Lab Supervisor: Date Reported:

Phone: (443) 681-3857 Fax: (443) 681-4507

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002418002

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/10/2021

Field ID: BA040885

Submitted By: Rasmussen

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		11.87
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.69
Perfluorohexanoic acid (PFHxA)	1.0		2.39
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		5.51
Perfluorooctanoic acid (PFOA)	1.0		3.29
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 03/25/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

Temperature Blank: 5.0 °C

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State of Maryland
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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA047126 Plant/Site Name: SUNNYBROOK 003-0011-7901 County: BALTO
Location: SUNNYBROOK 7-RAW Sample Source: SUNNYVIEW DR Town or City
Collector/ID: ASMUSSEN/2302-12-517 Phone No.: 443 520 4918

System No. 0011 PWSID Plant No. 01 Date Collected 3/10/20 Time Collected 10:50 am

Field Data: pH 6.4 Free Cl: Total Cl:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other RAW
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input checked="" type="checkbox"/> THMs PFAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002418003
Received: 03/10/2021 EPA 537.1
Organics BA047126

Remarks:
Lab Supervisor: Date Reported: / /

Phone: (443) 681-3857 Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002418003

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/10/2021

Field ID: BA047126

Submitted By: Rasmussen

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	1.0		2.10
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	2.0		5.88
Perfluorotetradecanoic acid (PFTDA)	1.0		3.58
Perfluorotridecanoic acid (PFTTrDA)	1.0		ND
Perfluoroundecanoic acid (PFUnDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Telephone: (443) 681 -3857

Fax: (443) 681-4507

Page 3 of 4

S:\Enviro\Final-Organics-PFAS.r

Send Report to:

Temperature Blank: 5.0 °C

PFAS

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA-004891 Plant/Site Name: GLEN MEADOWS 003-0008-7P01 County: BALTO

Location: GLEN MEADOWS 1 - RAW Sample Source: 11630 GLEN ACRE RD Town or City

Collector/ID: RASMUSSEN (2302-12-517) Phone No.: 493 520 4918

County: 003 System No.: 0208 Plant No.: 01 Date Collected: 3/10/2024 Time Collected: 1100 am

Field Data: pH 6.9 Free Cl: Total Cl:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other RAW
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input checked="" type="checkbox"/> THMs PFAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002418004
Received: 03/10/2021 EPA 537.1
Organics BA-004891

Remarks:

Lab Supervisor: Date Reported: / /

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002418004

Method: EPA 537.1 - PFAS

Date Received: 03/10/2021

Date Collected: 03/10/2021

Field ID: BA-004891

Submitted By: Rasmussen

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		6.76
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 03/25/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
3-11-21 am

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL815034 Plant/Site Name: Buck Hill K3 well County: Carroll
 Location: Plant Row Tap Sample Source: Buck Hill Rd Town or City: Uniontown
 Collector/ID: Shawn Lowman Phone No.: 410-294-7884


County: 006 System No.: 0019 PWSID: 0060019 Plant No.: 01 Date Collected: 3 / 11 / 2021 Time Collected: 740 am

Field Data: pH 7.6 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFAS</u>		<input checked="" type="checkbox"/> Trizma	


E21002445001
 Received: 03/11/2021 EPA 537.1
 Organics CL815034

Remarks:

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002445001

Method: EPA 537.1 - PFAS

Date Received: 03/11/2021

Date Collected: 03/11/2021

Field ID: CL815034

Submitted By: Shawn Lowman

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.41
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		6.87
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.88
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 03/25/2021

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL690468 Plant/Site Name: Bark Hill K50 Well County: Carroll
 Location: Plant Raw Tap Sample Source: Bark Hill Rd Town or City: Uniontown
 Collector/ID: Shawn Lowman Phone No.: 410-294-7884

County: 006 System No.: 0019 PWSID: 0060019 Plant No.: 01 Date Collected: 3 / 11 / 2021 Time Collected: 7:45 am
 Field Data: pH 7.7 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input checked="" type="checkbox"/> EPA Method 6260 (VOCs) <u>537.1</u> <u>PFAS</u>		<input checked="" type="checkbox"/> Tri-zinn	


E21002445002
 Received: 03/11/2021 EPA 637.1
 Organics CL690468

Remarks: _____
 Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002445002

Method: EPA 537.1 - PFAS

Date Received: 03/11/2021

Date Collected: 03/11/2021

Field ID: CL690468

Submitted By: Shawn Lowman

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		5.48
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		2.45
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/25/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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3-11-21 *am*

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 060218W1 Plant/Site Name: Twin Arch Well 1 County: Carroll
 Location: Plant Raw Tap Sample Source: Twin Arch Road Town or City: Mount Airy
 Collector/ID: Shawn Lowman Phone No.: 410-294-7884


County: 006 System No.: 0218 PWSID: 0060218 Plant No.: 01 Date Collected: 3/11/2021 Time Collected: 9:10 am

Field Data: pH 6.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u> <u>PFAS</u>		<input checked="" type="checkbox"/> TriZma	


E21002445003
 Received: 03/11/2021 EPA 537.1
 Organics 060218W1

Remarks: _____
 Lab Supervisor: _____ Date Reported: ____/____/____

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ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002445003

Method: EPA 537.1 - PFAS

Date Received: 03/11/2021

Date Collected: 03/11/2021

Field ID: 060218W1

Submitted By: Shawn Lowman

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		6.53
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		5.87
Perfluorohexanesulfonic acid (PFHxS)	1.0		7.61
Perfluorohexanoic acid (PFHxA)	1.0		10.56
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		15.80
Perfluorooctanoic acid (PFOA)	1.0		14.79
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

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Send Report to:

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA735149 Plant/Site Name: GLEN MEADOWS 003-0208-7 Pol County: BALTO

Location: GLEN MEADOWS 2-RAW Sample Source: 11630 GLEN ARM RD Town or City: _____

Collector/ID: CASMUSEN/2302-12-517 Phone No.: 4435209918


County: 003 System No.: 0208 Plant No.: 01 Date Collected: 3/11/2021 Time Collected: 0940 am/pm

Field Data: pH 7.2 Free Cl: _____ Total Cl: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other RAW
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input checked="" type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002446001
Received: 03/11/2021 EPA 537.1
Organics BA735149

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002446001

Method: EPA 537.1 - PFAS

Date Received: 03/11/2021

Date Collected: 03/11/2021

Field ID: BA735149

Submitted By: Rasmussen

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		5.40
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
2c

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 007-0206-TP03-5

Plant/Site Name: CALVERT MANOR CENTER County: Cecil

Location: WELLS RAW

Sample Source: 1881 TELEGRAPH Street CALVERT Town or City

Collector ID: JOSEPH GAY 8841 VG

Phone No.: 404467324

007 0206 0070206 703-53112024

System No.

Plant No.

Date Collected

8:15 am 00 mm
 Time Collected

Field Data: pH 06.2

Free Cl: 0.0

Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260-VOCs <u>5371</u> <u>PFAS</u>		<u>TRIZMA</u>	


E21002475001
 Received: 03/12/2021 EPA 537.1
 Organics 007-0206-TP03

Remarks:

Lab Supervisor: _____

Date Reported: ___/___/___

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002475001

Method: EPA 537.1 - PFAS

Date Received: 03/12/2021

Date Collected: 03/11/2021

Field ID: 007-0206-TP03-5

Submitted By: JOSEPH GAY

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 0.0 °C
zc

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 007-0230 - TP01-2

Plant/Site Name: PLEASANT HILL County: CECIL

Location: WELL 2 RAW

Sample Source: PLEASANT HILL Street EUKTON Town or City

Collector/ID: JOSEPH GAY 884/10

Phone No.: 4104467324

County: 007 System No.: 0070230 Plant No.: TP01-23112021 Date Collected: 9:30 am Time Collected: 9:30 am

Field Data: pH 06.9

Free CI: 0.0

Total CI: ed

Sample Type: Drinking water Landfill Source (water)
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community Other

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u> <u>PFA5</u>		<u>TRIZMA</u>	


E21002475002
Received: 03/12/2021 EPA 537.1
Organics 007-0230-TP01.

Remarks:

Lab Supervisor: _____ Date Reported: _____/_____/_____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002475002

Method: EPA 537.1 - PFAS

Date Received: 03/12/2021

Date Collected: 03/11/2021

Field ID: 007-0230-TP01-2

Submitted By: JOSEPH GAY

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.61
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.49
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/25/2021

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
ze

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 007-0230-TP01-1 Plant/Site Name: PLEASANT HILL County: C E C I L

Location: WELL / RAW Sample Source: PLEASANT HILL Town or City

Collector/ID: JOSEPH GAY 8841 NC Phone No.: 4104467324

007 0230 0070230 TP01-13112021 9:30
County System No. PWSID Plant No. Date Collected am/pm Time Collected

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.2

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input type="checkbox"/> EPA Method 500 (VOCs) <u>537.1</u> <u>P 45</u>		<u>TRIZMA</u>	


E21002475003
Received: 03/12/2021 EPA 537.1
Organics 007-0230-TP01

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

SAMPLE TEST RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002475003

Method: EPA 537.1 - PFAS

Date Received: 03/12/2021

Date Collected: 03/11/2021

Field ID: 007-0230-TP01-1

Submitted By: JOSEPH GAY

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.91
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.38
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

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Fax: (443) 681-4507

Page 3 of 4

S:\EnviroFinal-Organics-PFAS.rj

Send Report to:

Temperature Blank: 0.6 °C
R

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 007-0206-TP03-2 Plant/Site Name: CALVERT MANOR CENTER County: CECIL

Location: WELLS RAW Sample Source: 1881 TELEGRAPH ST. CALVERT
Town or City

Collector/ID: JOSEPH GAY 8841 JG Phone No.: 404467324

System No. 0206 PWSID 0970206 Plant No. TP03-2 Date Collected 3/11/2021
City/County 007 PFA5 Time Collected 8:15 am

Field Data: pH 6.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) 537.1 PFA5		TRIZMA	

E21002475004
Received: 03/12/2021 EPA 537.1
Organics 007-0206-TP03

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002475004

Method: EPA 537.1 - PFAS

Date Received: 03/12/2021

Date Collected: 03/11/2021

Field ID: 007-0206-TP03-2

Submitted By: JOSEPH GAY

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		1.80
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.45
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 03/25/2021

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3-16-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: GA881351 Plant/Site Name: GRANTSVILLE wells County: Garrett
Location: Wells (GA881351) RAW Sample Source: sampled @ inflow of underground
Shade Hollow ^{Site} tank above well, which includes SPRINGS
Collector/ID: J. Holt C323JH Phone No.: 4104467432

County: 011 System No.: 0605 PWSID: 01110005 Plant No.: 01 Date Collected: 3/15/2021 Time Collected: 800 am

Field Data: pH 6.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other Wells plus 4 SPRINGS

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 504.2 Volatiles <u>519.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PHAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002490001
Received: 03/16/2021 EPA 537.1
Organics GA881351

Remarks:

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002490001

Method: EPA 537.1 - PFAS

Date Received: 03/16/2021

Date Collected: 03/15/2021

Field ID: GA881351

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 20 °C
3-16-21 am

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 730478 Plant/Site Name: WILLIAMS MHP County: CECIC

Location: WELL 2 RAW Sample Source: PERRYVILLE

Collector/ID: JOSEPH GAY 8841 VG Phone No.: 4104467324

County: System No.: CE 73047 Plant No.: 2 Date Collected: 3/16/2021 Time Collected: 8:50 am

Field Data: pH: 6.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260-VOCGT 5371 PFAS		TRIZMA	

E21002498001
Received: 03/16/2021 EPA 537.1
Organics CE730472

Remarks: _____
Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002498001

Method: EPA 537.1 - PFAS

Date Received: 03/16/2021

Date Collected: 03/16/2021

Field ID: CE730472

Submitted By: Joseph Gay

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
3-16-21 AM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE940898 Plant/Site Name: WILLIAMS MHP County: CECIL

Location: WELL 3 RAW Sample Source: PERRYVILLE
Town or City

Collector/ID: JOSEPH GAY 887126 Phone No.: 4104467324

County: System No. [][][][] PWSID: CE94089 Plant No. [8] Date Collected: 3/16/2021 Time Collected: 9:05 AM

Field Data: pH 26.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260-VOCs 5374/ PFAs		TRIZ-MA	

E21002498002
Received: 03/16/2021 EPA 537.1
Organics CE940898

Remarks:

Lab Supervisor: _____ Date Reported: ___/___/___

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002498002

Method: EPA 537.1 - PFAS

Date Received: 03/16/2021

Date Collected: 03/16/2021

Field ID: CE940898

Submitted By: Joseph Gay

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 03/25/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002498003

Method: EPA 537.1 - PFAS

Date Received: 03/16/2021

Date Collected: 03/16/2021

Field ID: CE930189

Submitted By: Joseph Gay

Date Analyzed: 03/23/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 03/25/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
3-16-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 943483 Plant/Site Name: WILLIAMS MHP County: CECIL

Location: WELG - RAW Sample Source: _____ Street _____ Town or City PERRYVILLE

Collector/ID: JOSEPH GAY 8891 VG Phone No.: 410 446 7324

County _____ System No. _____ PWSID CE94348 Plant No. 3 Date Collected 3/16/2021 Time Collected 9:15 am

Field Data: pH 6.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>5371</u> <u>PFA5</u>		<u>TRIZMA</u>	


E21002498004
 Received: 03/16/2021 EPA 537.1
 Organics CE943483

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002498004

Method: EPA 537.1 - PFAS

Date Received: 03/16/2021

Date Collected: 03/16/2021

Field ID: CE943483

Submitted By: Joseph Gay

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/25/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

Temperature Blank: 3.0 °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

CR/1/12/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR8152282 Plant/Site Name: Cambridge Farms - well 1 County: Frederick

Location: 4116 old Beldge Ln, VAUT Sample Source: RAW TAP
Street Town or City

Collector/ID: Holt 6323DH Phone No.: 4104467432

System No. 0100033 Plant No. 01 Date Collected 3/16/2021 Time Collected 810 AM

Field Data: pH 6.5 Free Cl: 6.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Atoclor			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL/TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>no solids case</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002521001
Received: 03/17/2021 EPA 537.1
Organics FR815282

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521001

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/16/2021

Field ID: FR815282

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.30
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.25
Perfluorohexanoic acid (PFHxA)	1.0		1.13
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.49
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

Temperature Blank: 3.0 °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR815284 Plant/Site Name: Cambridge Farms-Well 3 County: Frederick
Location: 4111 Old Bridge Ln, VAULT Sample Source: RAW TAP Street Town or City
Collector/ID: J. Holt 4104467432 6323TH Phone No.: 4104467432

County System No. PWSID Plant No. Date Collected Time Collected
010 0033 0100033 01 3 162021 825
am/pm

Field Data: pH 6.4 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TR 12MA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO CARBON DATE</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002521002
Received: 03/17/2021 EPA 537.1
Organics FR815284

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521002

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021
 Field ID: FR815284

Date Collected: 03/16/2021
 Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.06
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.68
Perfluorohexanoic acid (PFHxA)	1.0		1.53
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.79
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
 This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call 443-681-3857 and arrange for return or destruction.

Send Report to:

Temperature Blank: 3.0 °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR815280

Plant/Site Name: Cambridge Farms Well 4

County: Frederick

Location: 4114 Old Bridge Ln; VAULT

Sample Source: RAW TAP

Town or City

Collector/ID: Holt 6523DH

Phone No.: 4104467432

System No. 0100033

PWSID 0100033

Plant No. 01

Date Collected 3/16/2021

Time Collected 8:35 am

Field Data: pH 6.5

Free CI: 0.0

Total CI: 0.0

Sample Type: Drinking water Landfill Source (water)
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community Other

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 53.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs PFA 5	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate NO CLEAR CASE	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002521003
Received: 03/17/2021 EPA 537.1
Organics FR815280

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521003

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/16/2021

Field ID: FR815280

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.86
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.49
Perfluorohexanoic acid (PFHxA)	1.0		1.23
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.74
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 3 °C

02/17/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR0033WS Plant/Site Name: Cambridge Farms Wells County: Frederick

Location: Londonderry Ct, well VAULT Sample Source: RAW TAP
Town or City

Collector/ID: Holt 6323DH Phone No.: 4104467432

System No. 0100033 Plant No. 01 Date Collected 3/16/2021 Time Collected 855 am

Field Data: pH 6.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>ALSO COLLECT CORE</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002521004
Received: 03/17/2021 EPA 537.1
Organics FR0033W5

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521004

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/16/2021

Field ID: FR0033W5

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.77
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		2.06
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.28
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 03/25/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Telephone: (443) 681 -3857

Fax: (443) 681-4507

Page 4 of 7

S:\EnviroFinal-Organics-PFAS.r

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 3.0 °C

03/17/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR-884458 Plant/Site Name: Cambridge Farms, Wall 6 County: Frederick

Location: Halter Rd, wall vault Sample Source: RAW NAP Street: _____ Town or City: _____

Collector/ID: Holt 6835TH Phone No.: 4104467432

System No. 0033 PWSID 0100033 Plant No. 01 Date Collected 3/16/2021 Time Collected 9:15 am

Field Data: pH 6.2 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO CARBON CODE</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002521005
Received: 03/17/2021 EPA 537.1
Organics FR884458

Remarks:

Lab Supervisor: _____

Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521005

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/16/2021

Field ID: FR884458

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 03/25/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Fax: (443) 681-4507

Page 5 of 7

S:\EnviroFinal-Organics-PFAS.r

Send Report to:

Temperature Blank: 3.0 °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR880903

Plant/Site Name: Libertytown East - Well 1 County: Frederick

Location: Well 1 @ RAW TAP in WIP

Sample Source: (collected after 3ml x 1 Flush)
w/only well 1 on Street Town or City

Collector/ID: Holt 6323DH

Phone No.: 4104467432

010 0038 0100038 01

System No. PWSID Plant No. Date Collected 3/16/2021 Time Collected 1010

Field Data: pH 7.1

Free CI: 18 0.0

Total CI: 2.1 0.0

Sample Type: Drinking water

Source (water)

Private

Distribution (treated)

Community

Soil/Sediment Water Treatment Plant ROE

Non-Community

Oil

Specify Program: SDWA

NPDES

CWA

CERCLA

Consumer Products

Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input checked="" type="checkbox"/> EPA Method 504.1 (EDB/DIBCP)	<input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 515.3 (Herbicides)	<input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 525.2 (Pesticides)	<input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> HCL (6N) <input checked="" type="checkbox"/> Sodium sulfite	
<input checked="" type="checkbox"/> EPA Method 531.2 (Carbamates)	<input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> Potassium Citrate monobasic <input checked="" type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)		<u>yellow cap</u>	



E21002521006

Received: 03/17/2021 EPA 537.1

Organics FR880903

Remarks:

Lab Supervisor:

Date Reported: / /

•Phone: (443) 681-3857

•Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AND APPROVED

SAMPLE TESTED AND APPROVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521006

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/16/2021

Field ID: FR880903

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.32
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.18
Perfluorooctanoic acid (PFOA)	1.0		1.71
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 03/25/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Fax: (443) 681-4507

Page 6 of 7

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 5.0 °C

03/17/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR880891

Plant/Site Name: Libertytown East-Well2 County: Fredericks

Location: Well 2 @ W8 Commor R/W TAB

Sample Source: Collected after storm w/ only well (2 on)
Street Town or City

Collector/ID: Holt 6323DH

Phone No.: 4104467432

County: 010 System No.: 0038

0100038

Plant No.: 01

Date Collected: 3/16/2021

Time Collected: 1015 am

Field Data: pH 7.2

Free Cl: 0.0

Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<u>1:1 HCL + Ascorbic acid</u> <input type="checkbox"/> Sodium thiosulfate <u>yellow cap</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002521007 EPA 537.1
 Received: 03/17/2021 FR880891
 Organics

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857

• Fax: (443) 681-4507



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002521007

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/16/2021

Field ID: FR880891

Submitted By: Holt

Date Analyzed: 03/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafauro-3-oxadecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.37
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.02
Perfluorooctanoic acid (PFOA)	1.0		1.84
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneen* Approval date: 03/25/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C
3/17/21 ZC

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE730731 Plant/Site Name: WOODLAWN MHP County: CECIL

Location: WELL 2 Sample Source: _____ Street: PORT DEPOSIT
Town or City

Collector/ID: JOSEPH GAY 884/10 Phone No.: 4104467324


County: CE System No.: 73 PWSID: 073 Plant No.: 1 Date Collected: 3/17/2021 Time Collected: 9:50 am

Field Data: pH 6.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>537/ PFAS</u>		<u>TRIZMA</u>	



E21002532001
Received: 03/17/2021 EPA 537.1
Organics CE730731

Remarks: _____
Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002532001

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/17/2021

Field ID: CE730731

Submitted By: JOSEPH GAY

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/01/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

3/17/21 ZC

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 733840 Plant/Site Name: WOOD LAWN MHP County: CECIL

Location: WELL 3 Sample Source: _____ Street: _____ Town or City: PORT DEPOSIT

Collector/ID: JOSEPH GAY 884/16 Phone No.: 4104467-324


County: CE System No. 73384 Plant No. 0 Date Collected: 3/17/2021 Time Collected: 9:00 am

Field Data: pH 06.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) 537.1 <u>PFAS</u>		<u>TRIZMA</u>	



E21002532002
Received: 03/17/2021 EPA 537.1
Organics CE733840

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002532002

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/17/2021

Field ID: CE733840

Submitted By: JOSEPH GAY

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.47
Perfluorohexanoic acid (PFHxA)	1.0		1.06
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.47
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/01/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

3/17/24 ZC

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE670286 Plant/Site Name: WOODLAWN MHP County: CECIL

Location: WELLS Sample Source: _____ Street _____ Town or City PORT DEPOSIT

Collector/ID: JOSEPH GAY 8841 JG Phone No.: 4104467324

County: [][][][] System No. [][][][][][] PWSID CE670286 Plant No. 6 Date Collected 3/17/2024 Time Collected 9:05 am

Field Data: pH 05.9 Free Cl: 0.0 Total Cl: 0.8

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 <u>53711</u> <u>PFAS</u>		<u>TRIZMA</u>	


E21002532004
Received: 03/17/2024 EPA 537.1
Organics CE670286

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002532004

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/17/2021

Field ID: CE670286

Submitted By: JOSEPH GAY

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneeb* Approval date: 04/01/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

3/17/21 ZC

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 0239 W6 Plant/Site Name: WOOD LAWN MHP

County: CECIL

Location: WELLG Sample Source: Street Town or City

Collector/ID: JOSE PA GAY 8841 NC Phone No.: 41044 67324

County System No. PWSID Plant No. Date Collected Time Collected

Field Data: pH 06.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil Private Stream Distribution (treated) Solid Community Soil/Sediment Water Treatment Plant POE Other Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products Other

Table with 4 columns: Test Requested, Field & Trip Blank, Preservative Used, Comment. Rows include EPA Methods 504.1, 508, 515.3, 525.2, 531.2, 552.2, 8270, 524.2, and 8260-VOCs.

Barcode and text: E21002532005 Received: 03/17/2021 EPA 537.1 Organics CE0239W6

Table with 2 columns: Field & Trip Blank, Preservative Used, Comment. Includes handwritten 'TRIZMA' in the comment field.

Remarks: Lab Supervisor: Date Reported: / /

Phone: (443) 681-3857 Fax: (443) 681-4507

ORIGINAL - LABORATORY SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002532005

Method: EPA 537.1 - PFAS

Date Received: 03/17/2021

Date Collected: 03/17/2021

Field ID: CE0239W6

Submitted By: JOSEPH GAY

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxadecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.21
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/01/2021

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Send Report to:

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MDH - Laboratories Administration
Division of Environmental Chemistry

ORGANICS ANALYTICAL LABORATORY

1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 4.0 °C
318-210M

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA052935 Plant/Site Name: Clear Spring Well B County: Wash

Location: Well B Raw tap @ well House Sample Source: _____

Collector/ID: Holt 6323DH Phone No.: 4104467432 Street: _____ Town or City: _____


County: 021 System No.: 0005 Plant No.: 01 Date Collected: 3/17/2021 Time Collected: 845 AM

Field Data: pH 7.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <u>VOCs</u> <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	<u>*Time on bottle label is not accurate</u>
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002546001
 Received: 03/18/2021 EPA 537.1
 Organics WA052935

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546001

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: WA052935

Submitted By: Holt

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 04/01/2021

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Send Report to:

Temperature Blank: 4.0 °C
3-18-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA 670072 Plant/Site Name: Clear Spring Well C County: Wash

Location: Well C Raw Tap @ Well House Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323DH Phone No.: 4104467432

County: 0210005 System No. 0210005 Plant No. 01 Date Collected 3/17/2021 Time Collected 850

Field Data: pH 7.8 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002546002
Received: 03/18/2021 EPA 537.1
Organics WA670072

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546002

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: WA670072

Submitted By: Holt

Date Analyzed: 03/30/2021

Contaminant	RL	MCL	Result
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/01/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 41.0 °C
3-18-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA052934 Plant/Site Name: Clear Spring - well A County: Wash

Location: Well A @ well house RWJ top Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 632804 Phone No.: 4104667432

County: 021 System No.: 0005 Plant No.: 01 Date Collected: 3/17/2021 Time Collected: 900* am

Field Data: pH 7.7 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	<u>*Time on bottle is not accurate</u>
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002546003
 Received: 03/18/2021 EPA 537.1
 Organics WA052934

Remarks: _____

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546003

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: WA052934

Submitted By: Holt

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 04/01/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 2.0 °C
318-246M

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: D0731187 Plant/Site Name: Hurlock County: Dor.

Location: Well # 3, D0731188 Sample Source: Delaware Ave, St Nealson Hurlock
Street Town or City

Collector/ID: Fairall - 2464BF Phone No.: 410-5707892

System No. 0005 PWSID TP Plant No. 03 Date Collected 3/17/2021 Time Collected 7:30 am/pm

Field Data: pH 6.5 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS - 537.1</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	PHCL TriZma <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002546004
 Received: 03/18/2021 EPA 537.1
 DO731188
 Organics

Remarks:

Lab Supervisor: _____ Date Reported: _____/_____/_____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546004

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: DO731188

Submitted By: Fairall

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.01
Perfluorooctanoic acid (PFOA)	1.0		1.48
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/01/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 2.0 °C
3-18-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: D0880269 Plant/Site Name: Hurlock County: Del.
 Location: Well # 4, D0880269 Sample Source: Delaware Ave, New Hurlock
 Collector/ID: Fairall-2464BF Phone No.: 410-570-7892

County: 009 System No.: 0005 PWSID: TP Plant No.: D3 Date Collected: 3/17/2021 Time Collected: 7:50 am

Field Data: pH 7.6 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS - 537.1</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> <u>Fast Trizma</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002546005
 Received: 03/18/2021 EPA 537.1
 Organics DO880269

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546005

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: DO880269

Submitted By: Fairall

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/01/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

Temperature Blank: 2.0 °C
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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: Do 950689 Plant/Site Name: Vienna County: Dor.

Location: Well, DO950689p0810146 Sample Source: Market St, South Star Vienna
Town or City

Collector/ID: Fairall-2464BF Phone No.: 410-570-7892

County: 009 System No.: 9008 PWSID: FP Plant No.: 01 Date Collected: 3/17/2021 Time Collected: 9:54 am

Field Data: pH 6.1 Free CI: 0 Total CI: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS - 537.1</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002546006
Received: 03/18/2021 EPA 537.1
Organics DO950689

E21002546007
Received: 03/18/2021 EPA 537.1
Organics DO950689FB

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546006

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: DO950689

Submitted By: Fairrail

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Munir* Approval date: 04/01/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002546007

Method: EPA 537.1 - PFAS

Date Received: 03/18/2021

Date Collected: 03/17/2021

Field ID: DO950689FB

Submitted By: Fairall

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/01/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 0.0 °C

K83/23/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 022-0012-CH/Plant/Site Name: SUNSET HEIGHTS County: Wilcomino

Location: WELL HOUSE Sample Source: Flow St. Salisbury
Town or City

Collector/ID: BATTY 0976WB Phone No.: 410 446 3952

County: 022 System No. 0012 Plant No. 01 Date Collected 03/22/2021 Time Collected 8:00 am

Field Data: pH 7.2 Free Cl: — Total Cl: —

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input checked="" type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input checked="" type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> HCL (6N) <input checked="" type="checkbox"/> Sodium sulfite	<u>only HCL was labelled on the bottles. K83/23/21</u>
<input checked="" type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TRIZMA	

E21002572001
Received: 03/23/2021 EPA 504.1
Pesticides 022-0012-CH01

E21002572002
Received: 03/23/2021 EPA 504.1
Pesticides FB022-0012-CH

E21002572003
Received: 03/23/2021 EPA 515.3
Pesticides 022-0012-CH01

E21002572004
Received: 03/23/2021 EPA 525.2
Pesticides 022-0012-CH01

E21002572005
Received: 03/23/2021 EPA 531.2
Pesticides 022-0012-CH01

E21002574001
Received: 03/23/2021 EPA 537.1
Organics 022-0012-CH01

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857

• Fax: (443) 681-4507



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002574001

Method: EPA 537.1 - PFAS

Date Received: 03/23/2021

Date Collected: 03/22/2021

Field ID: 022-0012-CH01

Submitted By: Beatty

Date Analyzed: 03/30/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/01/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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3-23-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 71 0047

Plant/Site Name: CONOWINGO MHP

County: CECIL

Location: WELL 6 (ENTER FAUCET) Sample Source: _____

Town or City: CONOWINGO

Collector/ID: JOSEPH GAY 884/V6

Phone No.: 4104467324

System No.

PWSID

Plant No.

Date Collected 3/21/2021 Time Collected 8:30 am

Field Data: pH _____ Free CI: _____ Total CI: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>5371</u> <u>PFAS</u>		<u>TRIZMA</u>	


E21002581001
 Received: 03/23/2021 EPA 537.1
 Organics CE710047

Blank analysis area for results.

Blank analysis area for results.

Remarks: TUBING TO FAUCET MARKED WELL 6

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002581001

Method: EPA 537.1 - PFAS

Date Received: 03/23/2021

Date Collected: 03/21/2021

Field ID: CE710047

Submitted By: Gay

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		6.17
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.37
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.73
Perfluorohexanoic acid (PFHxA)	1.0		4.16
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		7.45
Perfluorooctanoic acid (PFOA)	1.0		6.52
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/05/2021

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State of Maryland
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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 710046 Plant/Site Name: CONOWINGO MHP County: CECIL

Location: WELLY RIGHT FACET Sample Source: _____ Street _____ Town or City: CONOWINGO

Collector/ID: JOSEPH GAY 8891 JG Phone No.: 4104467324

System No. CE710046 Plant No. 6 Date Collected 3/23/2024 Time Collected 8:55 am

Field Data: pH 0.64 Free Cl: 0.0 Total Cl: 0.2

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) 537.1 <u>PFAS</u>		<u>TRIZMA</u>	

E21002581002
Received: 03/23/2021 EPA 537.1
Organics CE710046

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002581002

Method: EPA 537.1 - PFAS

Date Received: 03/23/2021

Date Collected: 03/23/2021

Field ID: CE710046

Submitted By: Gay

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.50
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.39
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.22
Perfluorohexanoic acid (PFHxA)	1.0		2.91
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		5.99
Perfluorooctanoic acid (PFOA)	1.0		4.37
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/05/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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3-23-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 732978 Plant/Site Name: CONOWINGO MHP County: CECIL

Location: WELLS LEFT FACET Sample Source: CONOWINGO
Town or City

Collector/ID: JOSEPH GAY 8841 VG Phone No.: 410 446 7324

County: [][][][] System No. [][][][] Plant No. [][][] Date Collected 3/23/2024 Time Collected 8:35 am/pm

Field Data: pH 6.3 Free Cl: 6.8 Total Cl: 6.8

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260-VOGS 537.1 <u>PFAS</u>		<u>TRIZMA</u>	


E21002581003
Received: 03/23/2021 EPA 637.1
Organics CE732978

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002581003

Method: EPA 537.1 - PFAS

Date Received: 03/23/2021

Date Collected: 03/23/2021

Field ID: CE732978

Submitted By: Gay

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.59
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.77
Perfluorohexanesulfonic acid (PFHxS)	1.0		5.34
Perfluorohexanoic acid (PFHxA)	1.0		3.81
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		7.42
Perfluorooctanoic acid (PFOA)	1.0		6.14
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 04/05/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Page 3 of 4

S:\EnviroFinal-Organics-PFAS.r

Send Report to:

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3-23-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE680096 Plant/Site Name: OAKLANE MHP County: CECIL

Location: SAMPLE YAP Sample Source: PART DEPOSIT
Town or City

Collector/ID: JOSEPH GAY 8841 JG Phone No.: 410 446 7324


System No. CE68009 Plant No. 6 Date Collected 3/23/2021 Time Collected 10:00 am

Field Data: pH 06.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>5321</u> <u>PFAS TRIZMA</u>		<u>TRIZMA</u>	



E21002581004
Received: 03/23/2021 EPA 537.1
Organics CE680096

Remarks: _____
Lab Supervisor: _____ Date Reported: _____/_____/_____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002581004

Method: EPA 537.1 - PFAS

Date Received: 03/23/2021

Date Collected: 03/23/2021

Field ID: CE680096

Submitted By: Gay

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.48
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.06
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.34
Perfluorohexanoic acid (PFHxA)	1.0		2.80
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.33
Perfluorooctanoic acid (PFOA)	1.0		3.58
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 04/05/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C

2c 3/24/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE920249 Plant/Site Name: Town of Chertown County: Kent

Location: WTP Well 2R Sample Source: Kent Street: Chertown

Collector/ID: Allen 109825H Phone No.: 443-326-6489


System No. 0140002 Plant No. 01 Date Collected 3/23/2021 Time Collected 9:00 am

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u> <u>PFAS</u>		<input checked="" type="checkbox"/> <u>TA12MA</u>	


E21002592001
 Received: 03/24/2021 EPA 637.1
 Organics KE920249

Blank analysis area for results.

Blank analysis area for results.

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592001

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE920249

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.37
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.66
Perfluorohexanesulfonic acid (PFHxS)	2.0		2.60
Perfluorohexanoic acid (PFHxA)	1.0		3.69
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.44
Perfluorooctanoic acid (PFOA)	1.0		3.43
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/05/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Temperature Blank: 2-0 °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

2c 3/24/14

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE046439 Plant/Site Name: Town of Chattertown County: Kent

Location: WTP Well 7 Sample Source: Kent Street: Chattertown

Collector/ID: HIVEN 169825H Phone No.: 443-326-6449


County: 014 System No. 0002 PWSID 0140002 Plant No. 01 Date Collected 3/23/2021 Time Collected 9:10 AM

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input checked="" type="checkbox"/> EPA Method 6200 (VOCs) <u>537.1</u> <u>YFA</u>		<u>PK TRIZMA</u>	


E21002592002
 Received: 03/24/2021 EPA 637.1
 Organics KE046439

Remarks:

Date Reported: ___/___/___

Lab Supervisor: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592002

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE046439

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.13
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.49
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.97
Perfluorohexanoic acid (PFHxA)	1.0		5.19
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.37
Perfluorooctanoic acid (PFOA)	1.0		5.00
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 04/05/2021

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE000894 Plant/Site Name: Town of Chestertown County: Kent

Location: WTP well 3 Sample Source: Kent Town or City: Chestertown

Collector/ID: HIVEN 109825H Phone No.: 443-326-6419

County: 014 System No.: 0002 PWSID: 0140002 Plant No.: 01 Date Collected: 3/23/2021 Time Collected: 9:20 AM

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>PFAS</u> <u>537.1</u>		<input checked="" type="checkbox"/> TRIZMA	


E21002592003
 Received: 03/24/2021 EPA 537.1
 Organics KE000894

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592003

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE000894

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.52
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.06
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.19
Perfluorohexanoic acid (PFHxA)	1.0		4.51
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		8.50
Perfluorooctanoic acid (PFOA)	1.0		3.66
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 2.0 °C
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State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE731097 Plant/Site Name: Town of Chertentown County: Kent
 Location: WTP Well 1 Sample Source: Kent Street: Chertentown
 Collector/ID: HIVEN 109825H Phone No.: 443-326-6449


County: 014 System No.: 0002 PWSID: 0140002 Plant No.: 01 Date Collected: 3/23/2021 Time Collected: 9:30 am

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input checked="" type="checkbox"/> EPA Method 6200 (VOCs) 537.1 <u>PFAS</u>		<u>TRIZMA</u>	


E21002592004
 Received: 03/24/2021 EPA 537.1
 Organics KE731097

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592004

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE731097

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxPA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Munn* Approval date: 04/05/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2-0 °C

zc 3/24/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE950022 Plant/Site Name: Town of Chevertown County: Keit

Location: WTP Well 9 Sample Source: Keit Street: Chevertown

Collector/ID: Hixen / 09825H Phone No.: 443-326-6449

County: 014 System No.: 0002 PWSID: 0140002 Plant No.: 01 Date Collected: 3/23/2021 Time Collected: 9:40 AM

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs			
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u> <u>PFAS</u>		<u>1:1 TRIZMA</u>	


E21002592005
 Received: 03/24/2021 EPA 537.1
 Organics KE950022

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592005

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE950022

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C

zc 3/24/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE012008 Plant/Site Name: Town of Chattertown County: Kent

Location: WTP Well 4 Sample Source: Kent Street: Chattertown Town or City: Chattertown

Collector/ID: HINER / 098244 Phone No.: 443-326-6449

System No. 0140002 PWSID 0140002 Plant No. 01 Date Collected 3 23 2021 Time Collected 9:50 AM

Field Data: pH 6.9 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u> <u>PFAS</u>		<u>TRIZMA</u>	



E21002592006
Received: 03/24/2021 EPA 537.1
Organics KE012008

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592006

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE012008

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.13
Perfluorohexanoic acid (PFHxA)	1.0		1.15
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.17
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C

ZC 3/24/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: KE044404 Plant/Site Name: Town of Chartertown County: Kent

Location: WTP Well 5 Sample Source: Kent Street: Chartertown Town or City: Chartertown

Collector/ID: HINER 109825H Phone No.: 443-326-6449


County: 014 System No.: 0002 PWSID: 0140002 Plant No.: 01 Date Collected: 3/23/2021 Time Collected: 10:00 am/pm

Field Data: pH 6.9 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 <u>PFAS</u>		<u>TRIZMA</u>	



E21002592007
 Received: 03/24/2021 EPA 537.1
 Organics KE044404

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002592007

Method: EPA 537.1 - PFAS

Date Received: 03/24/2021

Date Collected: 03/23/2021

Field ID: KE044404

Submitted By: HINER

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.44
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		2.18
Perfluorooctanoic acid (PFHxS)	2.0		4.41
Perfluorohexanoic acid (PFHxA)	1.0		2.88
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		6.41
Perfluorooctanoic acid (PFOA)	1.0		2.96
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/05/2021

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Send Report to:

Temperature Blank: 20 °C

ZC 3/25/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR 94656 Plant/Site Name: San Hill well 6 County: FRED

Location: RAW TAP @ well 6 vault Sample Source: _____

Collector/ID: Holt 3230A Phone No.: 4104467432

System No. 01040 PWSID 01040 Plant No. 3 Date Collected 3/24/2021 Total CI: 0.0
Town or City _____ Time Collected 10000

Field Data: pH 5.5 Free CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMS RPA S	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	yellow color code
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002611001
Received: 03/25/2021 EPA 537.1
Organics FR944056

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002611001

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/24/2021

Field ID: FR944056

Submitted By: HOLT

Date Analyzed: 03/31/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.06
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.47
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.07
Perfluorohexanoic acid (PFHxA)	1.0		2.13
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		3.61
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/05/2021

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C

2C 3/25/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR881211 Plant/Site Name: SAM HILL Well 5 County: FRAN

Location: RAW TAPC Well 5 Vault Sample Source: _____
Town or City

Collector/ID: Holt 6323JA Phone No.: 4104467482

County: 010 System No. 0100040 Plant No. 01 Date Collected 3/24/2021 Time Collected 945 am

Field Data: pH 5.5 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>TPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL/TKZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)		<u>yellow color code</u>	

E21002611002
Received: 03/25/2021 EPA-537.1
Organics FR881211

Remarks:

Lab Supervisor: _____ Date Reported: _____/_____/_____

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ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002611002

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/24/2021

Field ID: FR881211

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.85
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		1.14
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.47
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 04/05/2021

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C

ZC 3/25/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR881220 Plant/Site Name: Sam Hill well 4 County: FRSD

Location: Raw NAC @ Well 4 result Sample Source: _____
Town or City

Collector/ID: Holt 63237H Phone No.: 4104467432

County: 0100040 System No. 0100040 Plant No. 01 Date Collected 3/24/2021 Time Collected 930 am/pm

Field Data: pH 5.7 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<u>1:1 HCL TR 12 M4</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)		<u>yellow color code</u>	


E21002611003
Received: 03/25/2021 EPA 637.1
Organics FR881220

Remarks:

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002611003

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/24/2021

Field ID: FR881220

Submitted By: HOLT

Date Analyzed: 04/02/2021

Contaminant	RL	MCL	Result
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.73
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.08
Perfluorohexanoic acid (PFHxA)	1.0		1.60
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		3.47
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneeb* Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

Temperature Blank: 2.0 °C
3/25/21 ZC

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR881050 Plant/Site Name: SAM HILL Well 3 County: FRAN

Location: RAW TAPC Well 3 Vault Sample Source: 4031 COMAR DR Town or City

Collector/ID: Holt 6323JH Phone No.: 4104467432

County: 010 System No.: 0040 Plant No.: 01 Date Collected: 3/24/2021 Time Collected: 9:15 AM

Field Data: pH 5.5 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>OPA</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL <u>NR2MA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)		<u>Yellow Color Code</u>	


E21002611004
 Received: 03/25/2021 EPA 537.1
 Organics FR881050

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002611004

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/24/2021

Field ID: FR881050

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.50
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		1.52
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.19
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/05/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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Send Report to:

Temperature Blank: 2.0 °C
Bc 3/25/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR 881435 Plant/Site Name: Sam Hill Well 1 County: Fred

Location: Raw MPC Well 1 Vault Sample Source: Larson Lane
Town or City

Collector/ID: Holt + 6323 DH Phone No.: 4104467432

County: 010 System No.: 0040 PWSID: 0100040 Plant No.: 01 Date Collected: 3/24/2021 Time Collected: 845 am

Field Data: pH 5.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 4008 <input type="checkbox"/> THMs PFAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	ETHHEL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)		<u>YELLOW COLOR CORN</u>	


E21002611005
 Received: 03/25/2021 EPA 537.1
 Organics FR881435

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002611005

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/24/2021

Field ID: FR881435

Submitted By: HOLT

Date Analyzed: 04/02/2021

Contaminant	RL	MCL	Result
1-chloroheptafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		17.08
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.50
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.09
Perfluorohexanoic acid (PFHxA)	1.0		3.05
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.51
Perfluorooctanoic acid (PFOA)	1.0		5.30
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 2.0 °C
zc 3/25/21

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR881225

Plant/Site Name: SAM HILL Well 2

County: Fred

Location: RAW TAP e Well (2 Vault)

Sample Source: 4079 Lomax DR

Town or City

Collector/ID: Holt 6323DH

Phone No.: 4104467432

County: 010

System No.: 0100040

Plant No.: 01

Date Collected: 3/24/2021

Time Collected: 900 am

Field Data: pH 5.8

Free CI: 0.0

Total CI: 0.0

Sample Type: Drinking water
 Private
 Community
 Non-Community

Landfill
 Stream
 Soil/Sediment
 Water Treatment Plant POE

Source (water)
 Distribution (treated)
 Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	<u>Yellow color code</u>
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002611006
 Received: 03/25/2021 EPA 537.1
 Organics FR881225

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002611006

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/24/2021

Field ID: FR881225

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.56
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.05
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		3.02
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.67
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 04/05/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.5 °C

PFAS
zc 3/25/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA0210W1

Plant/Site Name: R+R Estates

County: Harford

Location: Well 1 WTP POE

Sample Source: 1539 Sunshine Dr. Street, MD
Town or City

Collector/ID: Lookingland 7306SL

Phone No.: 410 419 2709

County: 0210 System No. 0120210 Plant No. 01 Date Collected 3/25/2021 Time Collected 1200


Field Data: pH 6.3 Free Cl: 0.15

Total Cl: 0.16

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 9260 (VOCs) PFAS 537.1	<input type="checkbox"/> Field Blank	TRIZMA	


E21002621001
 Received: 03/25/2021 EPA 537.1
 Organics HA0210W1

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002621001

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/25/2021

Field ID: HAO210W1

Submitted By: LOOKINGLAND

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.32
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.05
Perfluorohexanoic acid (PFHxA)	1.0		2.29
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.70
Perfluorooctanoic acid (PFOA)	1.0		3.32
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/05/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.5 °C

PFAS

20 3/15/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Williams Mobile Home Park

Bottle No.: HA812776

Plant/Site Name:

County: Harrisford

Location: WTP Raw tap

Sample Source: 578 Trimble Rd Joppa
Street Town or City

Collector/ID: Lookingland 72106L

Phone No.: 410 419 2709

System No. 0207

PWSID 0120207

Plant No. 01

Date Collected 3/25/2021 Time Collected 1000 am

Field Data: pH 7.7

Free CI: 0.09

Total CI: 0.26

Sample Type: Drinking water Landfill
 Private Stream
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community

Source (water) RAW tap
 Distribution (treated)
 Water Treatment Plant POE

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>VOCS</u> <u>PFAS</u> <u>537.1</u>	<input type="checkbox"/> Field Blank <u>TRIMA</u>		


E21002621002
Received: 03/25/2021 EPA 537.1
Organics HA812276

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002621002

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/25/2021

Field ID: HA812276

Submitted By: LOOKINGLAND

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1-S °C

PFAS

zc 3/25/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA944246

Plant/Site Name: R+R Estates

County: Harford

Location: Well & WTP RAW tap

Sample Source: 1529 Sunshine Dr. Street, MD
Street

Collector/ID: Lookingland 78106L

Phone No.: 410 419 2709

<u>12</u>	<u>0210</u>	<u>0120210</u>	<u>01</u>	<u>3/25/2021</u>	<u>1215</u>
<small>County</small>	<small>System No.</small>	<small>PWSID</small>	<small>Plant No.</small>	<small>Date Collected</small>	<small>Time Collected</small>

Field Data: pH 7.5

Free Cl: 0.04

Total Cl: 0.03

Sample Type: Drinking water Landfill Source (water) RAW tap
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260-VOCs PFAS 537.1	<input type="checkbox"/> Field Blank	TRIZMA	


E21002621003
 Received: 03/25/2021 EPA 537.1
 Organics HA944246

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002621003

Method: EPA 537.1 - PFAS

Date Received: 03/25/2021

Date Collected: 03/25/2021

Field ID: HA944246

Submitted By: LOOKINGLAND

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		6.69
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.02
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.39
Perfluorohexanoic acid (PFHxA)	1.0		4.72
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		6.61
Perfluorooctanoic acid (PFOA)	1.0		6.20
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneeb Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call 443-681-3857 and arrange for return or destruction.

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

GW3p6/m

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 2FR700192 Plant/Site Name: Polings MHP Well 1 County: FRED

Location: RAW TAP Well 1 e WTP Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323DH Phone No.: 4104467432

County: 010 System No.: 0210 PWSID: 01000210 Plant No.: 01 Date Collected: 3/25/2021 Time Collected: 900 am

Field Data: pH 5.8 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other _____
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>533.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002626001
Received: 03/26/2021 EPA 537.1
Organics FR700192

Remarks: _____

Lab Supervisor: _____

Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002626001

Method: EPA 537.1 - PFAS

Date Received: 03/26/2021

Date Collected: 03/25/2021

Field ID: FR700192

Submitted By: Holt

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneez Approval date: 04/05/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

Gw 3/26/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR700221

Plant/Site Name: Polings with well

County: FRSD

Location: RAW tap well 20 WSP

Sample Source:

Street _____
Town or City _____

Collector/ID: Holt 63230H

Phone No.: 4104467432

County: 010 System No. 0100210 Plant No. 01

Date Collected 3/25/2021

Time Collected 910

Field Data: pH 5.8 Free Cl: 0.0


Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water)
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community Other _____

Oil
 Solid
 Other _____

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>5371</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAs</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			



E21002626002
Received: 03/26/2021 EPA 537.1
Organics FR700221

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002626002

Method: EPA 537.1 - PFAS

Date Received: 03/26/2021

Date Collected: 03/25/2021

Field ID: FR700221

Submitted By: Holt

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpa)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/05/2021

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Send Report to:

Temperature Blank: 11.0 °C
GW 3/26/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: PR700457 Plant/Site Name: Polings MHP well 3 County: FRED

Location: RAW MAP Well 3 @ WSP Sample Source: _____ Town or City: _____

Collector/ID: Holt 6323JH Phone No.: 4104467432

County: 010 System No.: 0210 PWSID: 01100210 Plant No.: 01 Date Collected: 3/25/2021 Time Collected: 920 am/pm

Field Data: pH: 6.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs PPAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002626003
Received: 03/26/2021 EPA 537.1
Organics FR700457

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002626003

Method: EPA 537.1 - PFAS

Date Received: 03/26/2021

Date Collected: 03/25/2021

Field ID: FR700457

Submitted By: Holt

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.02
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.03
Perfluorohexanoic acid (PFHxA)	1.0		2.99
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		7.15
Perfluorooctanoic acid (PFOA)	1.0		5.51
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneeb* Approval date: 04/05/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

Zc 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: W0731320

Plant/Site Name: Tom All

County: War

Location: WTP - RAW

Sample Source: Pink Ln. Berlin
Street Town or City

Collector/ID: Kathy Bassett 0974148 TP Phone No.: 410-410-868-
6226


County: 023 System No. 0230217 Plant No. 01 Date Collected 3/29/2021 Time Collected 10 am/pm

Field Data: pH 7.0 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
RAW WATER

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>537.1</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002657001
 Received: 03/30/2021 EPA 537.1
 Organics WO731320

Blank space for additional notes or results.

Blank space for additional notes or results.

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE PREPARED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657001

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: WO731320

Submitted By: KATHY BASSETT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 04/07/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

22 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA950159 Plant/Site Name: MT Aetna Well 2 County: Washington

Location: Rare well 2 Sample Source: New Well Street: _____ Town or City: _____

Collector/ID: Holt 6323DH Phone No.: 4104467432

System No. 0015 PWSID 0210015 Plant No. 01 Date Collected 3/29/2021 Time Collected 1000

Field Data: pH 7.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PAAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TR-12MA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO COLAR</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002657002
 Received: 03/30/2021 EPA 537.1
 Organics WA950159

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657002

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: WA950159

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0	2.04	2.04
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		17.57
Perfluorohexanoic acid (PFHxA)	1.0		2.39
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.99
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/07/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call 443-681-3857 and arrange for return or destruction.

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

ZC 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA 0015SP Plant/Site Name: Mt. Acton Springs County: WASH
 Location: RAW BYPASS AT THE SPRING Sample Source: SPRING UNABLE TO SAMPLE
 Collector/ID: J. Holt 6323JH Phone No.: 4104467432
Town or City BELOW & 'u Place'

County: 021 System No.: 0015 PWSID: 0210015 Plant No.: 01 Date Collected: 3/29/2021 Time Collected: 1030

Field Data: pH 5.8 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>APAS</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank <u>Blue code</u>	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>100% COOL</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002657003
 Received: 03/30/2021 EPA 537.1
 Organics WA0015SP

E21002657004
 Received: 03/30/2021 EPA 537.1
 Organics FB-WA0015SF

Remarks:

Lab Supervisor: _____

Date Reported: _____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657003

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: WA0015SP

Submitted By: HOLT

Date Analyzed: 04/02/2021

Contaminant	RL	MCL	Result
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/07/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657004

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: FB-WA00155P

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorooctanoic acid (PFNA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	2.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/07/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: L. 0 °C

22 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA930382 Plant/Site Name: MT. Actna Well 1 County: WASH

Location: RAW CWT P TAP Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holtz3307 Phone No.: 4104467432

County: 021 System No.: 0015 Plant No.: 01 Date Collected: 3/29/2021 Time Collected: 1040

Field Data: pH 6.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>5371</u> <input checked="" type="checkbox"/> <u>VOCS</u> <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> <u>HCL TRIZMA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO SALT</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002657005
 Received: 03/30/2021 EPA 537.1
 Organics WA930382

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657005

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: WA930382

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/07/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
2c 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR 881833 Plant/Site Name: Woodsboro - Well 14 County: FRSD
Location: RAWC P04 w/ trmt turned off Sample Source: _____
Collector/ID: Holt 6383JH Phone No.: 4104467432 Town or City: _____


County: 0100027 PWSID: 0100027 Plant No.: 04 Date Collected: 3/29/2021 Time Collected: 1500
System No. _____

Field Data: pH 7.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PRAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>100 CURE</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			



E21002657006
Received: 03/30/2021 EPA 537.1
Organics FR 881833

Remarks: _____
Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657006

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: FR 881833

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.91
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		2.01
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.29
Perfluorooctanoic acid (PFOA)	1.0		1.85
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneen Approval date: 04/07/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

Temperature Blank: 1.6 °C
22 3/30/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

FR 810518
~~FR 034608~~

Bottle No.: FR 810518 Plant/Site Name: Woodsboro Wd/3 County: FRSD

Location: RAW NAP @ TP03 WTP Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323JH Phone No.: 4104467432

County: 010 System No.: 0027 PWSID: 0100027 Plant No.: 03 Date Collected: 3/29/2021 Time Collected: 1430 am/pm

Field Data: pH 7.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 Volatiles 537.1 <input type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO SODIUM</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002657007
Received: 03/30/2021 EPA 537.1
Organics FR810518

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657007

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: FR810518

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.49
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.22
Perfluorohexanoic acid (PFHxA)	1.0		1.40
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.48
Perfluorooctanoic acid (PFOA)	1.0		1.81
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/07/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

2c 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR034608 Plant/Site Name: Woodsboro Well 2 County: FRSD

Location: RAWTAPCO TP02 WTP Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323DH Phone No.: 4104467432

System No. 0100027 Plant No. 02 Date Collected 3/29/2021 Time Collected 1400
County 0100027

Field Data: pH 7.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank		
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>5371</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PLAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> FLUOR TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO COLDR</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002657008
 Received: 03/30/2021 EPA 537.1
 Organics FR034608

Remarks: _____

Lab Supervisor: _____

Date Reported: _____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657008

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: FR034608

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.24
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.21
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/07/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
2c 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR881607 Plant/Site Name: Woodsboro Wolf County: FRGD
 Location: RAW@POE TAP w/ TRMT TURNED OFF; TPO4 Street: _____ Town or City: _____
 Collector/ID: Holt 632507 Phone No.: 4104467432

System No. 0100027 Plant No. 04 Date Collected 3/29/2021 Time Collected 1445 am
 PWSID 0100027

Field Data: pH 7.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>53.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL - <u>TR 12 MA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate <u>NO COLOR</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002657009
 Received: 03/30/2021 EPA 537.1
 Organics FR881607

Remarks: _____

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002657009

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/29/2021

Field ID: FR881607

Submitted By: HOLT

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		4.21
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.22
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.11
Perfluorohexanoic acid (PFHxA)	1.0		3.26
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.96
Perfluorooctanoic acid (PFOA)	1.0		3.06
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 04/07/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

GW 3/20/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 812944 Plant/Site Name: CECIL WOODS County: Cecil

Location: WELL Sample Source: _____ Street: ELKTON Town or City

Collector/ID: JOE PA GAY 884110 Phone No.: 4104467324


County: System No. CE81294 Plant No. 4 Date Collected 3/30/2021 Time Collected 8:10 am

Field Data: pH 06.5 Free Cl: 0.3 Total Cl: 0.3

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>5371</u> <u>PfAs</u>		<u>TR EMA</u>	


E21002658001
 Received: 03/30/2021 EPA 537.1
 Organics CE812944

Remarks: _____ Date Reported: ____/____/____
 Lab Supervisor: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002658001

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CE812944

Submitted By: JOSEPH GAY

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	1.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	2.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	1.0		ND
Perfluoroundecanoic acid (PFUnDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/07/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

GW 3/30/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE880594 Plant/Site Name: CELL WOODS County: CELK

Location: Well 2 Sample Source: _____ Street: ELKTON Town or City

Collector/ID: JOSEPH GAY 8841JA Phone No.: 4104467324

County: System No. CE880594 Plant No. 4 Date Collected 3/20/2024 Time Collected 2:15 PM

Field Data: pH 6.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>5371</u> <u>PFA5</u>		<u>TR/EM</u>	


E21002658002
 Received: 03/30/2021 EPA 537.1
 Organics CE880594

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002658002

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CE880594

Submitted By: JOSEPH GAY

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/07/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

Grw 3/30/2021

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE024403 Plant/Site Name: CECIL WOODS County: Cecil

Location: WELL 3 Sample Source: ELKTON
Town or City

Collector/ID: JOSEPH GAY Phone No.: 4104467324

County: CE System No. 02440 Plant No. 3 Date Collected 3/30/2021 Time Collected 8:15 am

Field Data: pH 06.6 Free Cl: 0.3 Total Cl: 0.3

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) PFAS <u>537.1</u>		<u>TRIZMA</u>	


E21002658003
Received: 03/30/2021 EPA 537.1
Organics CE024403

(Empty grid area for additional test results)

(Empty grid area for additional test results)

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002658003

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CE024403

Submitted By: JOSEPH GAY

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 04/07/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Fax: (443) 681-4507

Page 3 of 3

S:\EnviroFinal-Organics-PFAS.r

Send Report to:

Temperature Blank: 2.0 °C
3-29-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE920287 Plant/Site Name: MAYBELLE MANOR County: CEC/C

Location: WELLS RAW TAP Sample Source: CONWINGO
Street

Collector/ID: JOSEPH GAY 8841 NO Phone No.: 7104 46 7324

County: System No.: PWSID: Plant No.: Date Collected: Time Collected:
C1E92028 3 29/2021 8:25 am

Field Data: pH: 06.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 5371 PFAS		TRIZMA	

E21002643001
Received: 03/29/2021 EPA 537.1
Organics CE920287

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002643001

Method: EPA 537.1 - PFAS

Date Received: 03/29/2021

Date Collected: 03/29/2021

Field ID: CE920287

Submitted By: Joseph Gay

Date Analyzed: 04/02/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.93
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.18
Perfluorohexanoic acid (PFHxA)	1.0		2.04
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.12
Perfluorooctanoic acid (PFOA)	1.0		3.53
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneen Approval date: 04/13/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
3-19-11 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE920286 Plant/Site Name: MAYBELLE MANOR County: CECIL

Location: VFW 1 RAW TAP Sample Source: Conowingo
Street Town or City

Collector/ID: SEPH GAY 884/10 Phone No.: 4104467324

County System No. PWSID Plant No. Date Collected Time Collected
C E 9 2 0 2 8 6 3 / 2 9 / 2 0 2 1 8:30 am

Field Data: pH 06.7 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) PFAS		TRIZMA	

E21002643002
Received: 03/29/2021 EPA 537.1
Organics CE920286

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002643002

Method: EPA 537.1 - PFAS

Date Received: 03/29/2021

Date Collected: 03/29/2021

Field ID: CE920286

Submitted By: Joseph Gay

Date Analyzed: 04/08/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.93
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.18
Perfluorohexanoic acid (PFHxA)	1.0		1.15
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.14
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/13/2021

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Send Report to:

Temperature Blank: 2.0 °C
3-29-21 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CES81737 Plant/Site Name: CANNAMIN WOODS County: CECIL

Location: RAW TAP Sample Source: CONDOMINIUMS
Town or City

Collector/ID: JOSEPH GAY 884110 Phone No.: 4104467324

System No. [][][] PWSID [E][8][8][1][7][3] Plant No. [7] Date Collected 3/29/2024
Town or City [845] Time Collected []

Field Data: pH 06.6 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 5371 PEAS		TRIZMA	

E21002643003
Received: 03/29/2021 EPA 537.1
Organics CE881737

Remarks:

Lab Supervisor:

Date Reported: / /

Phone: (443) 681-3857 Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002643003

Method: EPA 537.1 - PFAS

Date Received: 03/29/2021

Date Collected: 03/29/2021

Field ID: CE881737

Submitted By: Joseph Gay

Date Analyzed: 04/08/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/13/2021

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Send Report to:

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

zc 3/30/2

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL 0218 w1 Plant/Site Name: Twin Arch Mobile Well 1 County: Carroll
Location: Well 1 Raw Tap Sample Source: Twin Arch Rd Mount Airy
Collector/ID: Shawn Lowman 0076 SL Phone No.: 410-294-7884

System No. 0218 PWSID 0060218 Plant No. 01 Date Collected 3/30/2021 Time Collected 8:10 am
County 006

Field Data: pH 6.2 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8200 <u>8200</u> <u>PFAS</u> <u>537.1</u>		<input checked="" type="checkbox"/> <u>Trizma</u>	


E21002663001
Received: 03/30/2021 EPA 537.1
Organics CL0218W1

Remarks: Raw Water Sample
Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663001

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CL0218W1

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/08/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		8.49
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		7.78
Perfluorohexanesulfonic acid (PFHxS)	1.0		9.07
Perfluorohexanoic acid (PFHxA)	1.0		12.64
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		21.79
Perfluorooctanoic acid (PFOA)	1.0		21.44
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Shawn Lowman* Approval date: 04/13/2021

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Send Report to:

Temperature Blank: 0.0 °C
at 3/30/21

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 006-0218-TP01 **Plant/Site Name:** Twin Arch Mobile well 1 **County:** Carroll
Location: Plant POE Tap **Sample Source:** Twin Arch Rd **Phone No.:** 410-294-7884
Shawn Lowman **Collector/ID:** 0076SL **Street:** Mount Airy


County: 006 System No.: 0218 PWSID: 0060218 Plant No.: 01 Date Collected: 3/30/2021 Time Collected: 815 am/pm


Field Data: pH 6.4 **Free CI:** 0.5 **Total CI:** 0.7

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1 PFAS</u>	<input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> Trizma	


E21002663002
 Received: 03/30/2021 EPA 537.1
 Organics 0060218TP01


E21002663003
 Received: 03/30/2021 EPA 537.1
 Organics FB-0060218TF

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663002

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: 0060218TP01

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		8.03
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		7.77
Perfluorohexanesulfonic acid (PFHxS)	2.0		9.26
Perfluorohexanoic acid (PFHxA)	1.0		12.48
Perfluorononanoic acid (PFNA)	2.0		2.03
Perfluorooctanesulfonic acid (PFOS)	2.0		21.20
Perfluorooctanoic acid (PFOA)	1.0		21.54
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/13/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663003

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: FB-0060218TP01

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorooctanoic acid (PFNA)	2.0		ND
Perfluorodecanoic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorooctanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/13/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

22 3/30/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL0216W123 Plant/Site Name: Taylorville MHC Raw Tap County: Carroll

Location: Plant Raw Tap Sample Source: 4328 Ridge Road Mount Airy
Town or City

Collector/ID: Shawn Lowman 00765L Phone No.: 410-294-7884

County: 006 System No. 0216 PWSID 0060216 Plant No. 01 Date Collected 3/30/2021 Time Collected 900 am

Field Data: pH 5.8 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u> <u>PFAS</u>		<u>1:1 HCL</u>	


E21002663004
Received: 03/30/2021 EPA 537.1
Organics CL0216W123

Remarks: Raw tap is combination of wells 1, 2 and 3

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663004

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CL0216W123

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		4.56
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.64
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.38
Perfluorohexanoic acid (PFHxA)	1.0		5.72
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		8.38
Perfluorooctanoic acid (PFOA)	1.0		7.84
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/13/2021

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

20 3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CLO39441 Plant/Site Name: Todd Village Well 1 County: Carroll

Location: Well 1 Row Top Sample Source: 2636 Old Westminster Plk Finhsburg
Town or City

Collector/ID: Shawn Lowman Phone No.: 410-294-7884

County: 006 System No.: 0217 PWSID: 0060217 Plant No.: 01 Date Collected: 3 / 30 / 2021 Time Collected: 1150 am/pm

Field Data: pH 7.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>		<input checked="" type="checkbox"/> <u>Trizma</u>	

E21002663005
Received: 03/30/2021 EPA 537.1
Organics CL039441

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663005

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CL039441

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.87
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		3.33
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.71
Perfluorohexanoic acid (PFHxA)	1.0		4.01
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.91
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Savita Nuneen* Approval date: 04/13/2021

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

3/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL650192 Plant/Site Name: Todd Village Well 2 County: Carroll

Location: Well 2 Row Tap Sample Source: 2636 Old Westminster Pk Finksburg
Town or City

Collector/ID: Shawn Lowman Phone No.: 410-294-7884

County: 006 System No.: 0217 PWSID: 0060217 Plant No.: 01 Date Collected: 3/30/2021 Time Collected: 1145

Field Data: pH 6.5 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>VOG</u> <u>537.1</u> <u>PFAS</u>		<input checked="" type="checkbox"/> <u>Trizma</u>	


E21002663006
 Received: 03/30/2021 EPA 537.1
 Organics CL650192

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663006

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CL650192

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.65
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.25
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.09
Perfluorohexanoic acid (PFHxA)	1.0		3.20
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		3.17
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sara Muneen Approval date: 04/13/2021

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Send Report to:

Temperature Blank: 0.0 °C

2c 5/30/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL720717 Plant/Site Name: Todd Village Well 3 County: Carroll

Location: Well 3 Row Tap Sample Source: 2636 Old Westminster Pk Finksburg
Town or City

Collector/ID: Shawn Lowman 00765L Phone No.: 410-294-7884

County: 006 System No.: 0217 PWSID: 0060217 Plant No.: 01 Date Collected: 3/30/2021 Time Collected: 1155 am

Field Data: pH 6.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1 PFAS</u>		<input checked="" type="checkbox"/> Triana	


E21002663007
Received: 03/30/2021 EPA 537.1
Organics CL720717

Remarks:

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002663007

Method: EPA 537.1 - PFAS

Date Received: 03/30/2021

Date Collected: 03/30/2021

Field ID: CL720717

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/09/2021

Contaminant

	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.59
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		2.49
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.81
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/13/2021

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Send Report to:

Temperature Blank: 2.0 °C
4-1-2021 AM

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI930105 Plant/Site Name: Fruitland County: Wicomico

Location: well #2B Sample Source: N Division St. Fruitland
Street Town or City

Collector/ID: Betty 0976 wb Phone No.: 410 446 3952


System No. 0003 PWSID 0220008 Plant No. 01 Date Collected 3/31/2021 Time Collected 830
County Date Collected

Field Data: pH _____ Free Cl: _____ Total Cl: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TRIZMA	


E21002710001
 Received: 04/01/2021 EPA 537.1
 Organics WI930105

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002710001

Method: EPA 537.1 - PFAS

Date Received: 04/01/2021

Date Collected: 03/31/2021

Field ID: W1930105

Submitted By: Beatty

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.99
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.99
Perfluorohexanoic acid (PFHxA)	1.0		1.80
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.81
Perfluorooctanoic acid (PFOA)	1.0		3.24
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
4-1-2021 2:04

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 190229 Plant/Site Name: FRUITLAND County: Wicomico
 Location: well head #5 Sample Source: N Division St Town or City Fruitland
 Collector/ID: 0976wb BEATTY Phone No.: 410 446 3952

County 002 System No. 0008 PWSID 0220008 Plant No. 01 Date Collected 3/31/2021 Time Collected 8:40 am

Field Data: pH _____ Free CI: _____ Total CI: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> TRIZMA	

E21002710002
 Received: 04/01/2021 EPA 537.1
 Organics W190229

Remarks: _____
 Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002710002

Method: EPA 537.1 - PFAS

Date Received: 04/01/2021

Date Collected: 03/31/2021

Field ID: W1190229

Submitted By: Beatty

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

Temperature Blank: 2.0 °C
4-1-2022 5M

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 33730 Plant/Site Name: Fruitland County: Wicomico
 Location: Well #1 Sample Source: N Division St. Fruitland
Street Town or City
 Collector/ID: Beatty 0976wb Phone No.: 410 446 3952

022 County System No. 0008 0220008 Plant No. 01 Date Collected 3/31/2021 Time Collected 8:50
am/pm

Field Data: pH 7.6 Free Cl: ✓ Total Cl: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 537.1 PFAS	<input checked="" type="checkbox"/> Field blank <input type="checkbox"/> Trip blank	<input checked="" type="checkbox"/> TRIZMA	


E21002710003
 Received: 04/01/2021 EPA 537.1
 Organics WI33730

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002710003

Method: EPA 537.1 - PFAS

Date Received: 04/01/2021

Date Collected: 03/31/2021

Field ID: W133730

Submitted By: Beatty

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 21.0 °C
4-1-2021 PM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI950364 Plant/Site Name: Fruitland County: Wicomico
 Location: Well #3 Sample Source: N Division St. Town or City: Fruitland
 Collector/ID: Beatty 0976WB Phone No.: 410 446 3952

County: 022 System No.: 0006 PWSID: 0220008 Plant No.: 01 Date Collected: 3/31/2021 Time Collected: 9:10 am

Field Data: pH _____ Free CI: Total CI:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 <u>PFAS</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TRIZNA	


E21002710004
 Received: 04/01/2021 EPA 537.1
 Organics WI950364

Remarks: _____
 Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002710004

Method: EPA 537.1 - PFAS

Date Received: 04/01/2021

Date Collected: 03/31/2021

Field ID: W1950364

Submitted By: Beatty

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.23
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.35
Perfluorohexanoic acid (PFHxA)	1.0		1.74
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		10.15
Perfluorooctanoic acid (PFOA)	1.0		4.53
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
 4-1-2021 PM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 950 363 Plant/Site Name: Fruitland County: Wicomico
 Location: Well #4 Sample Source: N Division St Fruitland
Town or City
 Collector/ID: Beatty 0976wb Phone No.: 410 446 3952


County: 022 System No.: 0008 PWSID: 0220008 Plant No.: 01 Date Collected: 3/31/2021 Time Collected: 9:20
am/pm

Field Data: pH _____ Free CI: _____ Total CI: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>VOCS</u> <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> TRIZMA	



E21002710005
 Received: 04/01/2021 EPA 537.1
 Organics WI950363

Remarks: _____
 Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002710005

Method: EPA 537.1 - PFAS

Date Received: 04/01/2021

Date Collected: 03/31/2021

Field ID: W1950363

Submitted By: Beatty

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.55
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.87
Perfluorohexanoic acid (PFHxA)	1.0		1.10
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.90
Perfluorooctanoic acid (PFOA)	1.0		2.35
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

Temperature Blank: 41.0 °C
4-5-2021 DM

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 813024 Plant/Site Name: SHEPHERD FOREST County: CECIL

Location: RAW TAP Sample Source: BUNKON
Town or City

Collector/ID: JOSEPH GAY 8841 VG Phone No.: 4104467324

County: CE System No.: 81302 Plant No.: 4 Date Collected: 4/5/2021 Time Collected: 9:30 am

Field Data: pH 06.5 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 PFAS	<input checked="" type="checkbox"/> Field Blank	TRIZMA	

E21002732001
Received: 04/05/2021 EPA 537.1
Organics CE813024

E21002732002
Received: 04/05/2021 EPA 537.1
Organics CE813024FB

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002732001

Method: EPA 537.1 - PFAS

Date Received: 04/05/2021

Date Collected: 04/05/2021

Field ID: CE813024

Submitted By: Joseph Gay

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002732002

Method: EPA 537.1 - PFAS

Date Received: 04/05/2021

Date Collected: 04/05/2021

Field ID: CE813024FB

Submitted By: Joseph Gay

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

CW 4/6/24

W094 2425

Bottle No.:

Plant/Site Name: Ocean Pines Well 10

County: Wor

Location: WTP

Sample Source:

Street: Sandyhook Rd
Town or City: Berlin

Collector/ID: K Bassato

Phone No.: 410-868-6226

023

System No.

000

0230005

PWSID

05

Plant No.

4/5/2024

Date Collected

1200

Time Collected

Field Data: pH 6.4

Free Cl: 0

Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) K 537.1		TRDMA	

Barcode: 
E21002749003
 Received: 04/06/2021 EPA 537.1
 Organics WO 942425

Remarks:

Lab Supervisor:

Date Reported: / /

•Phone: (443) 681-3857

•Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749003

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/05/2021

Field ID: WO 942425

Submitted By: basette

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.15
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 04/20/2021

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Send Report to:

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C
GW 4/6/21

Bottle No.: WO 730351

Plant/Site Name: Ocean Pines Wells County: Wor

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Location: WTP Sample Source: 28 Admiral Dr Town or City: Berlin

Collector/ID: K Bassett 0974KB TP Phone No.: 410-868-6226

County: 023 System No.: 0230005 Plant No.: 03 Date Collected: 4/5/2021 Time Collected: 11:00 AM

Field Data: pH 6.4 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other PFA's

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u>		<u>Arizona</u>	


E21002749004
Received: 04/06/2021 EPA 537.1
Organics WO 730351

Remarks:

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749004

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/06/2021

Field ID: WO 730351

Submitted By: Basette

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.57
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.43
Perfluorooctanoic acid (PFOA)	1.0		1.34
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneem Approval date: 04/20/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

Gw 4/6/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: W0690070

Plant/Site Name: Ocean Pines Well 2 County: Wic

Location: WTP

Sample Source: 116 Sandyhook Town or City: Berlin

Collector/ID: K Bassuto

Phone No.: 410-868-6226

County: 0223

System No.: 0230005

TP

Plant No.: 04

Date Collected: 4/5/2024

Time Collected: 1130

Field Data: pH 6.2

Free Cl: 0

Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other PPAS

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>8260-VOGest</u> <u>537.1</u>		<u>Trizma</u>	


E21002749005
 Received: 04/06/2024 EPA 537.1
 Organics WO 690070

Remarks:

Lab Supervisor:

Date Reported: ___/___/___

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749005

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/06/2021

Field ID: WO 690070

Submitted By: Bassette

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.27
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.30
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/20/2021

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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

GW 4/6/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WO 690069 Plant/Site Name: Ocean Pines Well 3 County: Wor
 Location: WTP Raw Tap Sample Source: 953 Ocean Pkwy Berlin
 Collector/ID: K Bassett 0974KB Phone No.: 410-868-6226

County: 0230005 PWSID: TP Plant No.: 01 Date Collected: 4/5/2021 Time Collected: 930

Field Data: pH 6.2 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other PFA's Batch color - none

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method-8260 (VOCs) <u>537.1</u>		<u>Trizma</u>	


E21002749006
 Received: 04/06/2021 EPA 537.1
 Organics WO 690069

Remarks: _____
 Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749006

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/06/2021

Field ID: WO 690069

Submitted By: bassette

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/20/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

GW 4/6/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WO-690068

Plant/Site Name: Ocean Pines Welly County: Wor

Location: WTP Sample Source: 115B Pinehurst Street Berlin Town or City

Collector/ID: K Bassett 0974 Phone No.: 410-868-6224


County: 0230005 System No. 02 Plant No. 4/5/2021 Date Collected 10 am/pm 08 Time Collected

Field Data: pH 6.2 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other PFAS/nabatchcolor

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1</u>		<u>Trizma</u>	


E21002749007
 Received: 04/06/2021 EPA 537.1
 Organics WO 690068

Remarks:

Lab Supervisor:

Date Reported: ___/___/___

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749007

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/05/2021

Field ID: WO 690068

Submitted By: basette

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.16
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.08
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		2.09
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.11
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: _____ °C

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE945022 Plant/Site Name: GRAY MOUNT APTS County: CECIL

Location: HOSEBIB TAP Sample Source: 718 W PULASKI HWY ELKTON
Town or City

Collector/ID: JOSEPH GAY 884/NG Phone No.: 4104467324

System No. PWSID CE945022 Plant No. 27 Date Collected 4/18/2021 Time Collected 7:45 am/pm

Field Data: pH 0.68 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 <u>PFA5</u>		<u>TRIZMA</u>	



E21002803001
Received: 04/08/2021 EPA 537.1
Organics CE945022

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002803001

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: CE945022

Submitted By: Joseph Gay

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.03
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.84
Perfluorohexanoic acid (PFHxA)	1.0		2.81
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		4.39
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

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State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

GW 4/6/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA 940781 Plant/Site Name: Scenic View MHP Well 4 County: WASH

Location: Well 4 Raw Tap Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 632304 Phone No.: 4104467432

County: 0211 System No.: 0210204 Plant No.: 01 Date Collected: 4/5/2021 Time Collected: 1400

Field Data: pH 7.2 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <u>TPAS</u> <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> <u>1:1 HCL TRIZMA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E 2100 2749001 - 9007

E21002749001
 Received: 04/06/2021 EPA 537.1
 Organics WA 940781

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749001

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/05/2021

Field ID: WA 940781

Submitted By: John holt

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		4.65
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.18
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.38
Perfluorohexanoic acid (PFHxA)	1.0		6.75
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		5.80
Perfluorooctanoic acid (PFOA)	1.0		4.08
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneem Approval date: 04/20/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

Gov 4/6/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA 810597 Plant/Site Name: Scenic View MHP Well 3 County: WASH

Location: Raw Tap For well 3 Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323DH Phone No.: 4104467482

County: 0210204 System No. 0210204 Plant No. 01 Date Collected 4/5/2021 Time Collected 1415

Field Data: pH 7.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>5371</u> <u>VOCs</u> <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> FRESH TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002749002
 Received: 04/06/2021 EPA 537.1
 Organics WA 810597

Remarks:

Lab Supervisor: _____ Date Reported: _____/_____/_____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002749002

Method: EPA 537.1 - PFAS

Date Received: 04/06/2021

Date Collected: 04/05/2021

Field ID: WA 810597

Submitted By: holt

Date Analyzed: 04/09/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		4.19
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.85
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.35
Perfluorohexanoic acid (PFHxA)	1.0		6.03
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		5.44
Perfluorooctanoic acid (PFOA)	1.0		3.98
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 04/20/2021

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Send Report to:

Temperature Blank: 00 °C
2c 4/8/21

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205



LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA047743
Well 1

Plant/Site Name: Lakeside Vista County: Harford

Location: WTP Well 1 Raw tap
1312 Lake Vista Dr.

Sample Source: Lakeside Vista Drive, Jesspa MD
Street, Town of City

Collector/ID: Lookingland72106L Phone No.: 4104192729

County: 12 System No.: 0014 Plant No.: 01 Date Collected: 4/8/2021 Time Collected: 0845

Field Data: pH 6.0 Free Cl: 0.00 Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) Raw tap Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>PFAS 537.1</u>	<input type="checkbox"/> Field Blank	<u>TRIZMA</u>	

E21002812001
 Received: 04/08/2021 EPA 537.1
 Organics HA047743 W

Remarks:

Lab Supervisor:

Date Reported: ___/___/___

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002812001

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: HA047743 WELL

Submitted By: LOOKINGLAND

Date Analyzed: 04/16/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		1.46
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		2.03
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/20/2021

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

Zc 4/8/21

PFAS

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA811937
Well 1

Plant/Site Name: Susan Harbour

County: Harford

Location: Well 1 Raw tap

Sample Source: Pine st. Harvare Grace
Town or City

Collector/ID: Lookingland 78106L

Phone No.: 410419 2709

County: 12 System No.: 0215 PWSID: 0120215 Plant No.: 01 Date Collected: 4/8/2021 Time Collected: 1030 am/pm

Field Data: pH: 8.4 Free Cl: 0.00 Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) Raw tap Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 6270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs			
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) PFAS 537-1	<input type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> TRIZMA	

Barcode
E21002812002
Received: 04/08/2021 EPA 537.1
Organics HA811937 W1

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002812002

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: HA811937 WELL 1

Submitted By: LOOKINGLAND

Date Analyzed: 04/16/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		2.78
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.08
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.06
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 04/20/2021

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1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

zc 4/8/24

PFAS

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA047742
Well 2

Plant/Site Name: Lakeside Vista
County: Harford

Location: WTP Well 2 Raw tap
1312 Lakeside Vista Dr.

Sample Source: Cornusway
Street

Joppa, MD
Town/City

Collector/ID: Lookingland 73106L

Phone No.: 410 419 2789

County: 12 System No.: 0014 PWSID: 0120014 Plant No.: 01

Date Collected: 4/8/2024 Time Collected: 0830 am/pm

Field Data: pH 6.1 Free Cl: 0.00 Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) Raw tap
 Private Stream Distribution (treated)
 Community Soil/Sediment Water Treatment Plant POE
 Non-Community Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260-VOCs PFAS 537-1	<input type="checkbox"/> Field Blank	TRIZMA	

Barcode:

E21002812003
Received: 04/08/2021
Organics
EPA 537.1
HA047742

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002812003

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: HA047742

Submitted By: LOOKINGLAND

Date Analyzed: 04/16/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.69
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.02
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.91
Perfluorohexanoic acid (PFHxA)	1.0		6.59
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		12.96
Perfluorooctanoic acid (PFOA)	1.0		9.79
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer

Approval date: 04/20/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

72 4/8/21

PFAS

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA 813096
well 3

Plant/Site Name: Lakeside Vista County: Harford

Location: WTP Well 3 Raw tap Sample Source: Verbena Drive Joppa, MD
1312 Lake Vista Dr. Street Town of City

Collector/ID: Lockingland 7306GL Phone No.: 410 419 2709

County: 0120014 PWSID: 01 Date Collected: 4/8/2021 Time Collected: 0900
System No. 6.2 Plant No. 000 Total Cl: 0.00


Field Data: pH 6.2 Free Cl: 0.00 Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) Raw tap Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 4000 <u>PFAS 537.1</u>	<input type="checkbox"/> Field Blank <u>Blank</u>	<u>Arizona</u>	

PFAS


E21002812004
 Received: 04/08/2021 EPA 537.1
 Organics HA813096

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002812004

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: HA813096

Submitted By: LOOKINGLAND

Date Analyzed: 04/16/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.31
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.21
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.98
Perfluorohexanoic acid (PFHxA)	1.0		6.12
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		13.74
Perfluorooctanoic acid (PFOA)	1.0		9.78
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 04/20/2021

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

22 4/18/24

PFAS

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA811911
Well 3

Plant/Site Name: Swan Harbour

County: Harford

Location: Well 3 Raw tap

Sample Source: Walnut St. Harse de Grace

Street

Collector/ID: Lookingland 7306L

Phone No.: 410 419 2709

County: 12

System No.: 0215

PWSID: 0120215

Plant No.: 02

Date Collected: 4/8/2024

Time Collected: 1100 am

Field Data: pH 6.1

Free Cl: 0.00

Total Cl: 0.00

Sample Type: Drinking water
 Private
 Community
 Non-Community

Landfill
 Stream
 Source (water) Raw tap
 Distribution (treated)
 Soil/Sediment
 Water Treatment Plant POE

Oil
 Solid
 Other

Specify Program: SDWA
 NPDES
 RCRA
 CWA
 RCRA
 CERCLA
 CWA
 Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) PFAS 537-1	<input type="checkbox"/> Field Blank	TRISMA	

Organics

E21002812005
Received: 04/08/2021 EPA 537.1
HA811911 WI

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002812005

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: HA811911 WELL 3

Submitted By: LOOKINGLAND

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.62
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.18
Perfluorohexanesulfonic acid (PFHxS)	1.0		4.60
Perfluorohexanoic acid (PFHxA)	1.0		3.21
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		6.90
Perfluorooctanoic acid (PFOA)	1.0		6.10
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Numan Approval date: 04/20/2021

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Send Report to:

Temperature Blank: 0.0 °C
22 4/8/24

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

PFAS

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA812099 Plant/Site Name: Swan Harbour County: Hartford
Well 5 Raw tap Sample Source: Walnut St. Havre de Grace
Lookingland 72106L

Collector/ID: 12 Phone No.: 410 419 2709

County: 12 System No.: 0215 Plant No.: 02 Date Collected: 4/8/2021 Time Collected: 1045 am

Field Data: pH 6.2 Free Cl: 0.00 Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) Raw tap Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs			
<input checked="" type="checkbox"/> EPA Method 8260 PFAS 537.1	<input type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> TRIZMA	

E21002812006
 Received: 04/08/2021 EPA 537.1
 Organics HAB12099 W

Remarks: _____
 Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002812006

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/08/2021

Field ID: HA812099 WELL

Submitted By: LOOKINGLAND

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.65
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.13
Perfluorohexanesulfonic acid (PFHxS)	1.0		5.28
Perfluorohexanoic acid (PFHxA)	1.0		3.18
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		6.19
Perfluorooctanoic acid (PFOA)	1.0		5.97
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.2 °C

ZC 4/8/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: GA 950336 Plant/Site Name: McHenry-Gravelly Run County: Carroll

Location: RAW SAMPLE TAP @ well Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323DH Phone No.: 4104467432

County: 1111 System No.: 11096 Plant No.: 04 Date Collected: 4/7/2021 Time Collected: 1000

Field Data: pH 6.7 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclars	<input type="checkbox"/> Field Blank		
<input checked="" type="checkbox"/> EPA Method 524.2 <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> <u>ELHETRNA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			



E21002814001
Received: 04/08/2021 EPA 537.1
Organics GA950336

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002814001

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/07/2021

Field ID: GA950336

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

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1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

zc 4/6/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: GA811363 Plant/Site Name: McHenry Willows WRP County: Carroll

Location: Well 1 Raw Tap @ TAP Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 63235H Phone No.: 4104467432

County: 111 System No.: 11096 Plant No.: 05 Date Collected: 4/7/2021 Time Collected: 930 am

Field Data: pH 7.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL <u>NRZMA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002814002
 Received: 04/08/2021 EPA 537.1
 Organics GA811363

Remarks: Well 2 off line indefinitely (GA 811364)

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002814002

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/07/2021

Field ID: GA811363

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

2c 4/8/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: GA 810776 Plant/Site Name: McHenry WSP Well 5 County: Carroll

Location: Rawe Bypass outside WSP Sample Source: w/ well 5 only

Collector/ID: Holt 6323JH Phone No.: 4104467432


County: 111 System No.: 1096 Plant No.: 01 Date Collected: 4/7/2021 Time Collected: 9:15 AM

Field Data: pH 7.3 Free Cl: 0.0 Total Cl: 6.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 531 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs PFAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> H-HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002814003
 Received: 04/08/2021 EPA 537.1
 Organics GA810776

Remarks:

Date Reported: ___/___/___

Lab Supervisor: _____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002814003

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/07/2021

Field ID: GA810776

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.42
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/20/2021

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Fax: (443) 681-4507

Page 3 of 6

S:\EnviroFinal-Organics-PFAS.r

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

Zc 4/8/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: GA 810719 Plant/Site Name: McHenry WTP Well 1 County: Garrett

Location: 4" Bypass outside WTP w/ Well 1 only Sample Source: _____

Street _____ Town or City _____

Collector/ID: Holt 6323JH Phone No.: 4104467432

County: 0111 System No.: 11111096 Plant No.: 01 Date Collected: 4/7/2021 Time Collected: 9:00 am

Field Data: pH 7.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs OAS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL RIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002814004
 Received: 04/08/2021 EPA 537.1
 Organics GA810719

Remarks:

Lab Supervisor: _____

Date Reported: ___/___/___

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002814004

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/07/2021

Field ID: GA810719

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.00
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 04/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
Zc 4/8/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: AL880230 Plant/Site Name: Midlothian well 2 County: Allegany

Location: RAWPFC well 2 meter Sample Source: _____
Collector/ID: Holt 6223H Phone No.: 4104467432 Town or City: _____

County: 001 System No.: 0023 PWSID: 0010023 Plant No.: 072 Date Collected: 4/7/2021 Time Collected: 12:00 PM

Field Data: pH 7.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <u>VECS</u> <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002814005
Received: 04/08/2021 EPA 537.1
Organics AL880230

Remarks: * Time on form is correct - Bottle Times are switched

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002814005

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021

Date Collected: 04/07/2021

Field ID: AL880230

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

22 4/8/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: AL810820 Plant/Site Name: Middlethian well 1 County: Allegany

Location: Raw tap @ well 1 Meter Sample Source: _____ Street _____ Town or City _____

Collector/ID: Holt 6323JH Phone No.: 4104467432

County: 001 System No.: 0010023 Plant No.: 02 Date Collected: 4/7/2021 Time Collected: 12:15 PM

Field Data: pH 7.3 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 Volatiles/537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> FAVOR TRIZAD <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002814006
 Received: 04/08/2021 EPA 537.1
 Organics AL810820

Remarks: *Time on Form is correct. Bottle line is switched.

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002814006

Method: EPA 537.1 - PFAS

Date Received: 04/08/2021
 Field ID: AL810820

Date Collected: 04/07/2021
 Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 1.0 °C

ZC 4/13/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI921896 Plant/Site Name: Walston Mff County: Wicomico

Location: well #6 Sample Source: Walston Dr Salisbury
Town or City

Collector/ID: Betty 0976WB Phone No.: 410 446 3952


County: 022 System No.: 0217 PWSID: 0220217 Plant No.: 01 Date Collected: 4/12/2021 Time Collected: 8:30 am

Field Data: pH 7.8 Free Cl: ✓ Total Cl: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank		
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TRIZMA	


E21002856001
 Received: 04/13/2021 EPA 537.1
 Organics W1921896

Remarks:

Date Reported: ___/___/___

Lab Supervisor: _____ Date Reported: ___/___/___

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002856001

Method: EPA 537.1 - PFAS

Date Received: 04/13/2021

Date Collected: 04/12/2021

Field ID: W1921896

Submitted By: BEATTY

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

EC 4/13/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI945669 Plant/Site Name: Walston MHP County: Wicomico

Location: well #7 Sample Source: Walston Dr. Town or City Salisbury

Collector/ID: Bentley 0976WB Phone No.: 410 446 3952


County: 022 System No.: 0220217 Plant No.: 01 Date Collected: 4/12/2021 Time Collected: 8:45 am

Field Data: pH 7.6 Free CI: ✓ Total CI: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment blank	<input checked="" type="checkbox"/> TRIZMA	



E21002856002
 Received: 04/13/2021 EPA 537.1
 Organics WIS945669

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002856002

Method: EPA 537.1 - PFAS

Date Received: 04/13/2021

Date Collected: 04/12/2021

Field ID: W1945669

Submitted By: BEATTY

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 04/20/2021

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C

ZC 4/13/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 120414 Plant/Site Name: Cedachwest County: Wicomico

Location: well #5 Sample Source: Tritlist Dr. Salisbury
Town or City

Collector/ID: Betty 0976wb Phone No.: 410 446 3952

County: 022 System No.: 0220216 Plant No.: 01 Date Collected: 4/12/2021 Time Collected: 930

Field Data: pH 7.5 Free Cl: 0.16 Total Cl: 0.85

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 PFAS	<input type="checkbox"/> Field blank <input type="checkbox"/> Equipment blank	<input checked="" type="checkbox"/> TRISMA	


E21002856003
Received: 04/13/2021 EPA 537.1
Organics W120414

Remarks: No access to raw water

Lab Supervisor: _____ Date Reported: ____/____/____

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 ANNAPOLIS, MD 21401

Lab No.: E21002856003

Method: EPA 537.1 - PFAS

Date Received: 04/13/2021
 Field ID: W1120414

Date Collected: 04/12/2021
 Submitted By: BEATTY

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/20/2021

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

2c 4/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: FR881435 Plant/Site Name: Sam Hill Estates - Well County: Fredesock

Location: RAWTRC Well Vault Sample Source: Lasson Lane Town of City

Collector/ID: Holt 6323TH Phone No.: 4104467432

County: 010 System No.: 0040 PWSID: 0100040 Plant No.: 01 Date Collected: 4/13/2021 Time Collected: 1145

Field Data: pH 5.2 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PPAS</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL <u>12M</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

E21002884001
Received: 04/14/2021 EPA 537.1
Organics FR881435

E21002884002
Received: 04/14/2021 EPA 537.1
Organics FB-FR881435

Remarks: _____
 Lab Supervisor: _____ Date Reported: _____

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002884001

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021
 Field ID: FR881435

Date Collected: 04/13/2021
 Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		15.10
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		2.39
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.23
Perfluorohexanoic acid (PFHxA)	1.0		2.74
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.88
Perfluorooctanoic acid (PFOA)	1.0		4.74
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 04/20/2021

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 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002884002

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021

Date Collected: 04/13/2021

Field ID: FB-FR881435

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**
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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

82 4/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA 880299 Plant/Site Name: Cedar Ridge SHOP well County: Fredricks

Location: RAW Nale WR Sample Source: Well 3 Street: _____ Town or City: _____

Collector/ID: Holt 6320H Phone No.: 4104467432


County: 021 System No.: 0210020 Plant No.: 01 Date Collected: 4/13/2020 Time Collected: 1045 am

Field Data: pH 7.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <u>VOCs</u> <input type="checkbox"/> THMs <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> HCL <u>NAZMA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002884003
 Received: 04/14/2021 EPA 537.1
 Organics WA880299

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

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MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002884003

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021

Date Collected: 04/13/2021

Field ID: WA880299

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.38
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		2.13
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneen Approval date: 04/20/2021

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Send Report to:

Temperature Blank: 0.0 °C

22 4/14/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA 880982 Plant/Site Name: Cedar Ridge Adventures Wildlife County: Fred

Location: RAW Tap @ WTR Sample Source: Well 4 Adventures Street: _____ Town or City: _____

Collector/ID: Holt 6323DH Phone No.: 4104467432


County: 021 System No.: 0020 PWSID: 0210020 Plant No.: 01 Date Collected: 4/13/2021 Time Collected: 1000 am/pm

Field Data: pH 7.0 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank		
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537-A <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>IPAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002884004
 Received: 04/14/2021 EPA 537.1
 Organics WA880982

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS REQUESTED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002884004

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021

Date Collected: 04/13/2021

Field ID: WA880982

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 0.0 °C

ZZ 4/14/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA730982 Plant/Site Name: Cedar Ridge - Upper Front Well County: Wash

Location: RAW MAP @ WR Sample Source: Well 1 Street Town or City

Collector/ID: Holt 63237# Phone No.: 4104467432

County System No. PWSID Plant No. Date Collected Time Collected
021 0020 0210020 01 4/13/2021 950 am

Field Data: pH 7.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) 537.1 <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs HAs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL TRIZMA <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002884005
Received: 04/14/2021 EPA 537.1
Organics WA730982

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTING / ORGANICS



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002884005

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021

Date Collected: 04/13/2021

Field ID: WA730982

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: _____ °C

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WA944494 Plant/Site Name: Deer Lodge MHP Wells County: Washington
Location: Raw MHP For Wells Sample Source: Cololed Well (Primary)
Collector/ID: Holt 6323TH Phone No.: 41024667432

County: 021 System No.: 0210202 Plant No.: 01 Date Collected: 4/13/2021 Time Collected: 900 am

Field Data: pH 6.8 Free CI: 0.0 Total CI: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PHAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002884006
Received: 04/14/2021 EPA 637.1
Organics WA944494

Remarks: WA941094 (Well 2 - Secondary Well) out-of-service

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002884006

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021

Date Collected: 04/13/2021

Field ID: WA944494

Submitted By: HOLT

Date Analyzed: 04/17/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 04/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002885001 Method: EPA 537.1 - PFAS

Date Received: 04/14/2021 Date Collected: 04/14/2021 Date Analyzed: 04/17/2021
 Field ID: BA040885 Submitted By: RASMUSSEN

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosasilfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PP30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecasilfluoro-3-oxanonane-1-sulfonic acid (9Cl-PP30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		8.17
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.58
Perfluorohexanoic acid (PFHxA)	1.0		1.85
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		5.31
Perfluorooctanoic acid (PFOA)	1.0		3.86
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Barbara Munn* Approval date: 04/28/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C

82 4/14/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA040885

Plant/Site Name: Sunnybrook-2

County: BaCo

Location: Area 2

Sample Source: Sunnyview Dr

Street Town or City

Collector/ID: AKMussen/2302-12-577

Phone No.: 443 520 4918

County: 003

System No. 0011

PWSID

Plant No. 01

Date Collected 4/14/24

Time Collected 0930 am/pm

Field Data: pH 7.0

Free Cl: _____

Total Cl: _____

Sample Type: Drinking water
 Private
 Community
 Non-Community

Landfill
 Stream
 Soil/Sediment
 Water Treatment Plant POE

Source (water)
 Distribution (treated)
 Other _____

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <u>537-1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PARS</u>	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002885001 EPA 537.1
Received: 04/14/2021 BAO40885
Organics

Remarks:		
Lab Supervisor:		

Date Reported: / /

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
22 4/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA040885FB

Plant/Site Name: Sunnybrook 2 FB

County: BALTO

Location: _____

Sample Source: _____

Street

Town or City

Collector/ID: BRMUSTEN/2302.12.517

Phone No.: 4435204918

County: _____

System No. _____

PWSID _____

Plant No. _____

Date Collected 4/14/2021

Time Collected 0930 am/pm

Field Data: pH _____

Free Cl: _____

Total Cl: _____

Sample Type: Drinking water
 Private
 Community
 Non-Community

Landfill
 Stream
 Soil/Sediment
 Water Treatment Plant POE

Source (water)
 Distribution (treated)
 Water Treatment Plant POE
 Oil
 Solid
 Other

Specify Program: SDWA
 Other

NPDES

RCRA

CWA

CERCLA

Consumer Products

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 Volatiles <u>537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMS <u>PFAS</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank <u>RED</u>	<input checked="" type="checkbox"/> HCL <u>TRIZMA</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002885002
Received: 04/14/2021 EPA 537.1
Organics BA040885FB

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857

•Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED

Send Report to:

State of Maryland
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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C
ZC 4/14/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: BA038932 Plant/Site Name: Glambury 2 County: Balto

Location: Wentz Woods Sample Source: 1400 Greenspan's Valley Street: _____ Town or City: _____

Collector/ID: ABMURSEN/2302-12-577 Phone No.: 4435204918

County: 003 System No.: 0023 PWSID: _____ Plant No.: 02 Date Collected: 4/14/21 Time Collected: 11:50 am

Field Data: pH: 6.9 Free Cl: _____ Total Cl: _____

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 4:1 HCL - <u>2012MKT</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Metathesis) <u>5371</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <u>PMAS</u>			
<input type="checkbox"/> EPA Method 8260 (VOCs)			


E21002885003
Received: 04/14/2021 EPA 537.1
Organics BA038932

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002885004

Method: EPA 537.1 - PFAS

Date Received: 04/14/2021
 Field ID: BA816633

Date Collected: 04/14/2021
 Submitted By: RASMUSSEN

Date Analyzed: 04/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHXA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Rasmussen* Approval date: 04/28/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

PFAS

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

2 4/14/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: B4816633

Plant/Site Name Geamery 1

County: BALTO

Location: Well 1 - ORTHARD

Sample Source: 1400 Green Springs Valley

Collector/ID: PFAS/2302-12-577

Phone No.: 4435264918


County: 003 System No. 0023 PWSID 01 Plant No. 4 Date Collected 11/14/2021 Time Collected 1030

Field Data: pH 6.6 Free Cl: Total Cl:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method <u>524.2 (Volatiles) 537.1</u> <input checked="" type="checkbox"/> VOCs <input type="checkbox"/> THMs <i>PFAS</i>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> <u>HCL 7M/2M</u> <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs)			

 **E21002885004**
 Received: 04/14/2021 EPA 537.1 Organics BA816633

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

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ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002891001

Method: EPA 537.1 - PFAS

Date Received: 04/15/2021

Date Collected: 04/14/2021

Field ID: W/1810405

Submitted By: BEATTY

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDs)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.09
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHPA)	2.0		2.08
Perfluorohexanesulfonic acid (PFHxS)	1.0		28.60
Perfluorohexanoic acid (PFHxA)	1.0		3.39
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		30.31
Perfluorooctanoic acid (PFOA)	1.0		6.61
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUNDA)	1.0		ND

Comments:

Approved by: Baris Muneer Approval date: 04/28/2021

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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

2 < 4/15/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 810405

Plant/Site Name: Naylor Mill Village County: Wicomico

Location: well #2

Sample Source: 7850 Dublin Rd Salisbury
Street Town or City


Collector/ID: Betty 6797WB 0976WB Phone No.: 410 4463952

County: 022 0221 PWSID: 0220221 Plant No.: 01 Date Collected: 4/14/2021 Time Collected: 830 am/pm

Field Data: pH 7.4 Free Cl: — Total Cl: —

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 525.2 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> <u>TRIZMA</u>	
 E21002891001 Received: 04/15/2021 EPA 537.1 Organics WI810405			

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

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 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Method: EPA 537.1 - PFAS

Lab No.: E21002891002

Date Received: 04/15/2021
 Field ID: W1952712

Date Collected: 04/14/2021
 Submitted By: BEATTY

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroheicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Munn* Approval date: 04/28/2021

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Send Report to:

State of Maryland

Temperature Blank: 0.0 °C

MDH - Laboratories Administration
Division of Environmental Chemistry

Zc 4/15/14

ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 952712 Plant/Site Name: Bennett MHP County: Wicomico

Location: WELL NORTH Sample Source: Bennett Park Dr Salisbury
Street Town or City


Collector/ID: Beatty 0976WB Phone No.: 410 446 3952

County: 003 System No.: 0000 PWSID: 0200202 Plant No.: 01 Date Collected: 4/14/2014 Time Collected: 900 am

Field Data: pH 7.4 Free Cl: — Total Cl: —

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 8081 <u>537.1</u> <u>PFA's</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TriZMA	
 <p>E21002891002 Received: 04/15/2014 EPA 537.1 Organics WI952712</p>			

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

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MDH98 (02/18)

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 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Method: EPA 537.1 - PFAS

Lab No.: E21002891003

Date Received: 04/15/2021
 Field ID: W1952713

Date Analyzed: 04/24/2021

Contaminant

Contaminant	RL	MCL	Result
1-chloroicosasfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PP30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHXA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Munn* Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
22 4/15/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WE 952713

Plant/Site Name: Bennett

County: Wicomico

Location: Well South

Sample Source: Bennett Park Dr

Street

Salisbury

Town or City

Collector/ID: Beatty 0976UB

Phone No.: 410 446 3952

County: 022

System No. 0222

PWSID 02202222

Plant No. 01

Date Collected 4/14/2021

Time Collected 930 am/hrs


Field Data: pH 7.4

Free Cl: —

Total Cl: —

- Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

- Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 <u>537.1</u> <u>PFAS</u>	<input checked="" type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> <u>TRI ZMA</u>	
 E21002891003 EPA 537.1 Received: 04/15/2021 WI952713 Organics			

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

•Phone: (443) 681-3857

•Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTING & CONSULTING



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Method: EPA 537.1 - PFAS

Lab No.: E21002902001
 Date Received: 04/15/2021
 Field ID: CE810499

Date Collected: 04/15/2021
 Submitted By: JOSEPH GAY

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosasilfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecasilfluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.61
Perfluorohexanoic acid (PFHxA)	1.0		4.44
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		6.27
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Robert Myers* Approval date: 04/28/2021

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Send Report to:

State of Maryland

Temperature Blank: _____ °C

MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM
Please write legibly

Bottle No.: CE810499 Plant/Site Name: GOLDEN LEAF ARTS County: Cecil

Location: _____ Sample Source: 728W POLASKI Hwy ELKTON
Street Town or City

Collector/ID: JOSEPH GAY 884110 Phone No.: 4104467334

County: [][] System No. [CE][8][1][0][4][9] Plant No. [9] Date Collected 4/15/2021 Time Collected 8:00

Field Data: pH 0.2 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCS) <u>537.1</u> <u>PFAS</u>		<u>TRIZMA</u>	


E21002902001 EPA 537.1
Received: 04/15/2021
Organics CE810499

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

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MDH98 (02/18)



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002902002

Method: EPA 537.1 - PFAS

Date Received: 04/15/2021

Date Collected: 04/15/2021

Field ID: CE940582

Submitted By: JOSEPH GAY

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroheicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30Uds)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHXA)	2.0		ND
Perfluorohexanoic acid (PFHxS)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHXA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Nunn* Approval date: 04/28/2021

* All results are in parts per trillion pptl; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM
Please write legibly

Bottle No.: CE940582 Plant/Site Name: ORCATS OF ST FRANCIS County: CECIL

Location: WELL SAMPLE TAP Sample Source: 1120 BLORE BARR Street: CHILDS
Town or City


Collector/ID: JOSEPH GAY 8841 VG Phone No.: 410846 7324

County: System No. CE94058 PWSID 2 Plant No. 4 Date Collected 1/5/2021 Time Collected 9:25 am/pm

Field Data: pH 06.4 Free Cl: 0.2 Total Cl: 0.2

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>5371 PFA's.</u>		<u>TRIZM4</u>	
 E21002902002 Received: 04/15/2021 Organics CE940582			

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

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MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002902003

Method: EPA 537.1 - PFAS

Date Received: 04/15/2021

Date Collected: 04/15/2021

Field ID: CE140004

Submitted By: JOSEPH GAY

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroecosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PPF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PPF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidooacetic acid (N-ElFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidooacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Robert Myers Approval date: 04/28/2021

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ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: _____ °C

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE140004

Plant/Site Name: ORLATES OF ST FRANCES County: _____

CECIL

Location: WELL SAMPLE TAP

Sample Source: 1120 BLUEBALE RD CHH-CDS
Street Town or City

Collector/ID: JOSEPH GAY 8844 JR

Phone No.: 4104467324

County:

System No.

PWSID CE14000

Plant No. 4

Date Collected 4/15/2021

Time Collected 9:45 am/pm

Field Data: pH 0.66

Free Cl: 0.1

Total Cl: 0.2

Sample Type: Drinking water

Landfill

Source (water)

Oil

Private

Stream

Distribution (treated)

Solid

Community

Soil/Sediment

Water Treatment Plant POE

Other

Non-Community

Specify Program: SDWA

NPDES


RCRA

CWA

CERCLA

Consumer Products

Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/BCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFA's</u>		<u>TRIZ MA</u>	
 <p>E21002902003 Received: 04/15/2021 EPA 537.1 Organics CE140004</p>			

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

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MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002947001

Method: EPA 537.1 - PFAS

Date Received: 04/20/2021

Date Collected: 04/20/2021

Field ID: CE0235W2

Submitted By: J. Gay

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-1PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-1PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidooacetic acid (N-EFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidooacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHXA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Munn* Approval date: 04/28/2021

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Temperature Blank: 2.0 °C
 4-20-21 DM

LABORATORY ANALYSIS REQUEST FORM
 Please write legibly

Bottle No.: CE0235W2 Plant/Site Name: TOWN + COUNTRY County: CECIL

Location: WELL 2 Sample Source: RT 40 + WILDBRESS Street: ELKTON
 Town or City:


Collector/ID: JOSEPH GAY 884116 Phone No.: 4104467324

County: CE System No.: 0235W PWSID: 2 Plant No.: 4 Date Collected: 4/20/2021 8:10 AM
 Time Collected

Field Data: pH 8.7 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCS) <u>5371 PHAS</u>		<u>TRIZMA</u>	
 E21002947001 EPA 537.1 Received: 04/20/2021 CE0235W2 Organics			

Remarks: _____

Lab Supervisor: _____ Date Reported: _____

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 Robert Myers, Ph.D., Director



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MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002947002

Method: EPA 537.1 - PFAS

Date Received: 04/20/2021

Date Collected: 04/20/2021

Field ID: CE731092

Submitted By: J. Gay

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidooacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDoA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanesulfonic acid (PFHxS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorooctanoic acid (PFOA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	1.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Munn* Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Temperature Blank: 2.0 °C
4-20-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE731092 Plant/Site Name: TOWN & COUNTRY 3 County: CECIL

Location: WELLS Sample Source: MHW ASSAYS - WILDERNESS ELKTON
Street Town or City


Collector/ID: JOSEPH GY 8841 VC Phone No.: 4104467324

County: System No. CE73109 Plant No. 2 Date Collected 4/20/2021 Time Collected 8:20 AM

Field Data: pH 0.59 Free Cl: 0.1 Total Cl: 0.1

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537,1 PZAS</u>		<u>TRIZMA</u>	
 E21002947002 EPA 537.1 Received: 04/20/2021 CE731092 Organics			

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

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MDH98 (02/18)



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 Robert Myers, Ph.D., Director



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MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002947003

Method: EPA 537.1 - PFAS

Date Received: 04/20/2021
 Field ID: CE660547

Date Collected: 04/20/2021
 Submitted By: J. Gay

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosaffluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidooacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidooacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.37
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.57
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.52
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Robert Munn* Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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Division of Environmental Chemistry

Temperature Blank: 2.0 °C
4-20-21 DM

ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE660547 Plant/Site Name: TOWN & COUNTRY 1 County: CECIL

Location: WELL 1 Sample Source: MOUNT ROMNEY + SHILOH ELKMAN
Street: _____ Town or City: _____


Collector/ID: JOSEPH GAY 884110 Phone No.: 4104467324

County: System No. PWSID CE66054 Plant No. 7 Date Collected 4/20/2021 Time Collected 8:45 AM

Field Data: pH 6.3 Free Cl: 0.1 Total Cl: 0.2

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>PEAs</u> <u>537.1</u>		<u>TRIZMA</u>	
 <p>E21002947003 Received: 04/20/2021 EPA 537.1 Organics CE660547</p>			

Remarks: _____

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
4-20-21 9M

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 73010 Plant/Site Name: WHISPERING PINES MHP County: CECIL

Location: _____ Sample Source: CIRCLE Street ELKTON Town or City

Collector/ID: JOSEPH GAY 8841 VG Phone No.: 4104467324

County: _____ System No. CE73010 PWSID 1 Plant No. 4 Date Collected 4/20/2021 Time Collected 9:25 AM

Field Data: pH 06.4 Free Cl: 0.0 Total Cl: 0.1

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMS	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCST 537, PFAS)		<u>TRIZM4</u>	


E21002947004 EPA 537.1
Received: 04/20/2021 CE730101
Organics

Remarks: _____

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002947005

Method: EPA 537.1 - PFAS

Date Received: 04/20/2021

Date Collected: 04/20/2021

Field ID: CE730323

Submitted By: J. Gay

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidooacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.67
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		5.32
Perfluorohexanesulfonic acid (PFHxS)	1.0		13.71
Perfluorohexanoic acid (PFHXA)	1.0		11.62
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.04
Perfluorooctanoic acid (PFOA)	1.0		6.38
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Robert Myers* Approval date: 04/28/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry

Temperature Blank: 2.0 °C

4-20-21 DM

ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE 73 0323 Plant/Site Name: WHISPERING PINES County: MHP CECIL

Location: PINE Sample Source: PINE Street ELKTON Town or City


Collector/ID: JOSEPH GAY 8841 JG Phone No.: 410 446 7324

County: System No. CE73032 PWSID 3 Plant No. 4 Date Collected 4/20/2021 Time Collected 9:55 am

Field Data: pH 06.3 Free Cl: 0.0 Total Cl: 0.1

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) <u>PHAS</u> <u>537.1</u>		<u>TRIZMA</u>	
 E21002947005 EPA 537.1 Received: 04/20/2021 CET730323 Organics			

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Lab No.: E21002972001

Method: EPA 537.1 - PFAS

Date Received: 04/21/2021

Date Collected: 04/21/2021

Field ID: CL65W353

Submitted By: Shawn Lowman

Date Analyzed: 04/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafiuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.44
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHXA)	1.0		3.47
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.91
Perfluorooctanoic acid (PFOA)	1.0		4.72
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by:

Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
 4-21-21 PM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL65W 353

Plant/Site Name: Britton Woods Well 2

County: Carroll

Location: Row Top

Sample Source: 1442 Buckhorn Rd

Street

Town or City

Collector/ID: Shawn Lowman

00765L

Phone No.:

410-294-7884

County: 006

System No. 02011

PWSID 00602011

Plant No. 011

Date Collected 4/21/2021

Time Collected 1025 pm

Field Data: pH 6.2

Free Cl: 0.1

Total Cl: 0.1

Sample Type: Drinking water
 Private
 Community
 Non-Community

Landfill
 Stream
 Soil/Sediment
 Water Treatment Plant POE

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFAS</u>		<input checked="" type="checkbox"/> <u>Trizma</u>	


E21002972001 EPA 537.1
 Received: 04/21/2021 CL65W353
 Organics

Remarks: <u>Some residual chlorine due to system setup</u>		

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002972002

Method: EPA 537.1 - PFAS

Date Received: 04/21/2021

Date Collected: 04/21/2021

Field ID: C1037266

Submitted By: Shawn Lowman

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosasfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.94
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.02
Perfluorohexanoic acid (PFHxA)	1.0		4.08
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.45
Perfluorooctanoic acid (PFOA)	1.0		5.11
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sarah Newman* Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
 4-21-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL037266

Plant/Site Name: Binton Woods Well 1 20gpm

County: Carroll

Location: Raw Tap

Sample Source: 1442 Buckhorn Rd

Street

Town or City

Collector/ID: Shawn Lowman

00765L

Phone No.: 410-294-7884

County: 006 02011

System No. 00602011

Plant No. 011

Date Collected 4/21/2021

Time Collected 1030 am

Field Data: pH 6.2

Free Cl: 0.1

Total Cl: 0.1

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFAS</u>		<input checked="" type="checkbox"/> <u>Triams</u>	


E21002972002
 Received: 04/21/2021 EPA 537.1
 Organics CL037266

Remarks: <u>Some residual chlorine due to system setup</u>		

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Lab No.: E21002972003

Method: EPA 537.1 - PFAS

Date Received: 04/21/2021
Field ID: CL816577

Date Collected: 04/21/2021
Submitted By: Shawn Lowman

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosafiuoro-3-oxaundecane-1-sulfonic acid (11ClPF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.06
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		2.43
Perfluorohexanesulfonic acid (PFHxS)	1.0		1.39
Perfluorohexanoic acid (PFHxA)	1.0		3.92
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		4.27
Perfluorooctanoic acid (PFOA)	1.0		4.98
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by:

Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1.0 °C
 4-21-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL816577 Plant/Site Name: Manchester Wabot St. Well County: Carroll

Location: Rav Tap outside spige t Sample Source: Wabot St. Street: Manchester Town or City

Collector/ID: Shawn Lowman 00765L Phone No.: 410-294-7884

County: 006 System No. 0006 PWSID 0060006 Plant No. 01 Date Collected 4/21/2021 Time Collected 105 am/pm

Field Data: pH 5.8 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 VOCs <u>537.1</u> <u>PFAS</u>		<input checked="" type="checkbox"/> <u>TriZma</u>	


E21002972003 EPA 537.1
 Received: 04/21/2021 CL816577
 Organics

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1 °C

7c 4/24/24

5 2100299 400

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL180008

Plant/Site Name: Hillendale Mobile II well 11

County: Carroll

Location: Plant Raw Top

Sample Source: 351 Baltimore Blvd

Street

Town or City

Finksburg

Collector/ID: Shawn Louman

0076SL

Phone No.: 410-294-7884

006

0206

0060206

01

4 / 22 / 2021

1000 Any pm

County

System No.

PWSID

Plant No.

Date Collected

Time Collected

Field Data: pH 6.8

Free Cl: 0.0

Total Cl: 0.0

Sample Type:

Drinking water

Landfill

Source (water)

Oil

Private

Stream

Distribution (treated)

Solid

Community

Soil/Sediment

Water Treatment Plant POE

Other

Non-Community

Specify Program:

SDWA

NPDES

RCRA

CWA

CERCLA

Consumer Products

Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N)	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 524.2 (Volatiles)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL	
<input checked="" type="checkbox"/> EPA Method 9260 (VOCs) <u>537.1 PHS</u>		<input checked="" type="checkbox"/> 1:1 HCL + Ascorbic acid	
		<input type="checkbox"/> Sodium thiosulfate	
		<input checked="" type="checkbox"/> <u>TriZma</u>	


E21002994001
Received: 04/22/2021 EPA 537.1
Organics CL180008

Remarks:

Lab Supervisor:

Date Reported: / /

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1 °C

gc 4/22/21

LABORATORY ANALYSIS REQUEST FORM
 Please write legibly

Bottle No.: CL180009

Plant/Site Name: Hiltsdale Mobile I Well 1

County: Carroll

Location: Plant Row Top

Sample Source: 2505 Baltimore Blvd

Street

Town or City

Finksburg

Collector/ID: Shawn Lowman

0076SL

Phone No.: 410-294-7884

County: 006

System No. 0206

PWSID 0060206

Plant No. 02

Date Collected 4/22/2021

Time Collected 850 am

Field Data: pH 7.0

Free Cl: 0.0

Total Cl: 0.0

- Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

- Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFAS</u>		<input checked="" type="checkbox"/> <u>Triana</u>	


E21002994002 EPA 537.1
 Received: 04/22/2021 CL180009
 Organics

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002994003

Method: EPA 537.1 - PFAS

Date Received: 04/22/2021
 Field ID: CL813493

Date Collected: 04/22/2021
 Submitted By: SHAWN LOWMAN

Date Analyzed: 04/24/2021

Contaminant	RL	MCL	Result
1-chloroicosaffluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.32
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		1.40
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		1.10
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Shawn Lowman* Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

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 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1 °C

zr vlrh

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL813493 Plant/Site Name: Hilldale Mobile II Well 3 County: Carroll

Location: Plant Raw Tap Sample Source: 3551 Baltimore Blvd Street: Finksburg Town or City

Collector/ID: Shawn Lowman 00765L Phone No.: 410-294-7884

County: 006 System No. 0206 PWSID 0060206 Plant No. 01 Date Collected 4/22/2021 Time Collected 945 am

Field Data: pH 6.4 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Non-Community Soil/Sediment Water Treatment Plant POE Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>5371 PPA5</u>		<input checked="" type="checkbox"/> <u>Trizma</u>	


E21002994003 EPA 537.1
 Received: 04/22/2021 CL813493
 Organics

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

•Phone: (443) 681-3857 •Fax: (443) 681-4507

ORIGINAL - LABORATORY

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 1 °C

21 4:20pm

LABORATORY ANALYSIS REQUEST FORM
Please write legibly

Bottle No.: CL943659

Plant/Site Name: Hillside Mobile II Well S

County: Carroll

Location: Plant Row Top

Sample Source: 2551 Baltimore Blvd

Town or City: Finksburg

Collector/ID: Shawn Lowman

00765L

Phone No.: 410-294-7884

County: 006

System No.: 0206

PWSID: 0060206

Plant No.: 01

Date Collected: 4/22/2021

Time Collected: 955 ^{am} pm

Field Data: pH 6.5

Free Cl: 0.0

Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Halocetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PAHS</u>		<input checked="" type="checkbox"/> <u>Triam</u>	


E21002994004 EPA 537.1
Received: 04/22/2021
Organics CL943659

Remarks:

Lab Supervisor: _____

Date Reported: ____/____/____

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG

416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002994005

Method: EPA 537.1 - PFAS

Date Received: 04/22/2021

Date Collected: 04/22/2021

Field ID: CL0206W7

Submitted By: SHAWN LOWMAN

Date Analyzed: 04/24/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosaffluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDs)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.22
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		3.21
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by:

Shawn Lowman

Approval date: 04/28/2021

*All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 1 °C
 ZC 4/22/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CL0206W7

Plant/Site Name: Hillobble Mobile I Well 7

County: Carroll

Location: Plant New Typ

Sample Source: 2505 Baltimore Blvd

Town or City: Finksburg

Collector/ID: Shawn Lommen

0076SL

Phone No.: 410-294-7884

County: 006

System No. 0206

PWSID 0060206

Plant No. 02

4

Date Collected 4/22/21

Time Collected 8:30 am

Field Data: pH 6.3

Free Cl: 0.0

Total Cl: 0.0

Sample Type: Drinking water
 Private
 Community
 Non-Community

Landfill
 Stream
 Soil/Sediment
 Water Treatment Plant POE

Oil
 Solid
 Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors		<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) <u>537.1 PFAS</u>		<input checked="" type="checkbox"/> <u>Trizma</u>	


E21002994005
 Received: 04/22/2021 EPA 537.1
 Organics CL0206W7

Remarks: _____

Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY

Send Report to:

Temperature Blank: 3 °C
21APR21
NO

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

WI 730142
 8C

Bottle No.: WI0206W2 Plant/Site Name: Pine Tree County: Wicomico

Location: well house Sample Source: Jones Hastings Rd Salisbury
Street Town or City

Collector/ID: Betty 0976WB Phone No.: 410 446 3952

County System No. PWSID Plant No. Date Collected Time Collected
022 0206 0220206 01 4 120 2021 830
County System No. PWSID Plant No. Date Collected Time Collected

Field Data: pH 7.4 Free CI: Total CI:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8270 <u>VOGest 537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment blank	<input checked="" type="checkbox"/> TRIZMA	



E21002958001
 Received: 04/12/2021 EPA 537.1
 Organics W/0206W2

Remarks: The label on bottle is: WI730142 8C 4/22/21
Called and Confirmed by collector.

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21002958001

Method: EPA 537.1 - PFAS

Date Received: 04/21/2021

Date Collected: 04/20/2021

Field ID: WI 730142

Submitted By: BEATTT

Date Analyzed: 05/04/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 05/06/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

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MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
4-18-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

WO-810005

Plant/Site Name: Delmerna MHP #1 (North) County: Wor

County: Wor

Bottle No.: WO-810005

Location: WTP - RAW Sample Source: 9916 Golf Course Street: OC Town or City: OC

Collector/ID: K Bassett

Phone No.: 410-868-6226

System No. 0230203 Plant No. 01

Date Collected 4/27/2024 Time Collected 10⁰⁰

Field Data: pH 6.2 Free Cl: 0 Total Cl: 0

Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community Other

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other Back up well

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8200 <u>WGC 537.1</u> <u>PFAS</u>		<u>TRI2MA</u>	


E21003040001
 Received: 04/28/2021
 EPA 537.1
 Organics
 WO-810005

Remarks:

Lab Supervisor: _____

Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003040001

Method: EPA 537.1 - PFAS

Date Received: 04/28/2021

Date Collected: 04/27/2021

Field ID: W/O-810005

Submitted By: K. Bassett

Date Analyzed: 05/04/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.05
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	2.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Munir Approval date: 05/06/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.
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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 2.0 °C
4-28-21 DM

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: W0810771

Plant/Site Name: Delmarra HP 2

County: Wor

Location: WTP - RAW

Sample Source: 916 Golf Course Rd

Street

Town or City

Collector/ID: L Bassett

Phone No.: 410-868-6226

023

0230203

01

4 27/2024

10

County

System No.

PWSID

Plant No.

Date Collected

Time Collected

Field Data: pH 6.2

Free Cl: 0

Total Cl: 0

Sample Type: Drinking water

Private

Community

Non-Community

Landfill

Stream

Soil/Sediment

Other

Source (water)

Distribution (treated)

Water Treatment Plant POE

Oil

Solid

Other

Specify Program: SDWA

NPDES

RCRA

CWA

CERCLA

Consumer Products

Other

MAFEO WEIK

Field & Trip Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Field Blank

Trip Blank

Trip Blank

Preservative Used

Sodium thiosulfate

Sodium thiosulfate

Sodium thiosulfate

HCL (6N)

Sodium sulfite

Potassium Citrate monobasic

Sodium thiosulfate

Ammonium chloride

Sodium thiosulfate

1:1 HCL

1:1 HCL + Ascorbic acid

Sodium thiosulfate

BT12ma

Test Requested

EPA Method 504.1 (EDB/DBCP)

EPA Method 508 (Aroclors (SCAN only) & Toxaphene)

EPA Method 515.3 (Herbicides)

EPA Method 525.2 (Pesticides)

EPA Method 531.2 (Carbamates)

EPA Method 552.2 (Haloacetic acids)

EPA Method 8270 (Semi-Volatiles)

Pesticides Aroclors

EPA Method 524.2 (Volatiles)

VOCS THMs

EPA Method 8260 (VOCs) 537.1

PPAS



E21003040002

Received: 04/28/2021 EPA 537.1

Organics WO810771

Remarks:

Lab Supervisor:

Date Reported: ___/___/___

• Phone: (443) 681-3857

• Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003040002

Method: EPA 537.1 - PFAS

Date Received: 04/28/2021

Date Collected: 04/27/2021

Field ID: WO810771

Submitted By: K. Bassett

Date Analyzed: 05/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 05/06/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 0.0 °C

zc 4/30/21

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI950364 Plant/Site Name: Fruitland County: Wicomico
 Location: well #3 Sample Source: Main St Street Fruitland Town or City
 Collector/ID: Beatty 0976WB Phone No.: 410 446 3952

County: 002 System No.: 0008 PWSID: 022008 Plant No.: 01 Date Collected: 4/29/2021 Time Collected: 900
am/pm

Field Data: pH Free Cl: Total Cl:

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260-A/GC/OT 537.1 <u>PFAS</u>	<input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment blank	<input checked="" type="checkbox"/> TriZMA	


E21003078001
 Received: 04/30/2021 EPA 537.1
 Organics WI950364


E21003078002
 Received: 04/30/2021 EPA 537.1
 Organics FB-WI950364

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003078001

Method: EPA 537.1 - PFAS

Date Received: 04/30/2021

Date Collected: 04/29/2021

Field ID: W1950364

Submitted By: BEATTY

Date Analyzed: 05/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		1.93
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		2.08
Perfluorohexanoic acid (PFHxA)	1.0		1.56
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		6.40
Perfluorooctanoic acid (PFOA)	1.0		4.88
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 05/06/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003078002

Method: EPA 537.1 - PFAS

Date Received: 04/30/2021

Date Collected: 04/29/2021

Field ID: FB-WI950364

Submitted By: BEATTY

Date Analyzed: 05/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 05/06/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 0.0 °C
ztc 4/30/21

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: VF943312 Plant/Site Name: Habor Lights Est County: Wicomico
 Location: well house Sample Source: Johnson Rd Salisbury
Town or City
 Collector/ID: Betty 0976wb Phone No.: 410 446 2952

County: 022 System No.: 0220212 Plant No.: 01 Date Collected: 4/29/2021 Time Collected: 800 am

Field Data: pH 7.1 Free CI: ✓ Total CI: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 (VOCs) 537.1 <u>PFAS</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> Teizma	


E21003078003
 Received: 04/30/2021 EPA 537.1
 Organics W1943312

Remarks:

Lab Supervisor: _____

Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003078003

Method: EPA 537.1 - PFAS

Date Received: 04/30/2021

Date Collected: 04/29/2021

Field ID: W1943312

Submitted By: BEATTY

Date Analyzed: 05/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Numan* Approval date: 05/06/2021

*All results are in parts per trillion pptf; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Telephone: (443) 681 -3857

Fax: (443) 681-4507

Page 3 of 4

S:\Enviro\Final-Organics-PFAS.r

Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C
4/30/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI 730126 Plant/Site Name: Gateway Village County: Wicomico
 Location: well house Sample Source: shell Yrd. Del Mar Town or City
 Collector/ID: Beatty 0976WB Phone No.: 4104463952


County: 022 System No.: 0204 PWSID: 0220204 Plant No.: 01 Date Collected: 4/29/2021 Time Collected: 7:30 am/pm

Field Data: pH 7.1 Free Cl: — Total Cl: —

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260-VOCS 537.1 <u>PFA's</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TRIZMA	


E21003078004
 Received: 04/30/2021 EPA 537.1
 Organics WI730126

Remarks:

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003078004

Method: EPA 537.1 - PFAS

Date Received: 04/30/2021

Date Collected: 04/29/2021

Field ID: W1730126

Submitted By: BEATTY

Date Analyzed: 05/05/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		8.89
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		4.61
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.85
Perfluorohexanoic acid (PFHxA)	1.0		5.13
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		14.95
Perfluorooctanoic acid (PFOA)	1.0		13.25
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 05/06/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

to 5/11/21

PFAS
Re-sample

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: HA 047742
Well 2

Plant/Site Name: Lakeside Vista

County: Harford

Location: WTR raw tap

Sample Source: 1312 Lake Vista Dr. Joppa
Street Town or City

Collector/ID: Lookingland 78106L

Phone No.: 410 419 2709

County System No. PWSID Plant No. Date Collected
12 0914 0120014 02 5/11 5/27/2021 0845 am/pm

Field Data: pH 6.0 Free Cl: 0.00 Total Cl: 0.00

Sample Type: Drinking water Landfill Source (water) RAW tap Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMS			
<input checked="" type="checkbox"/> EPA Method 8260-VOCs PFAS 537.1	<input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> TRIZMA	

E21003261001
Received: 05/11/2021 EPA 537.1
Organics HA047742

E21003261002
Received: 05/11/2021 EPA 537.1
Organics FB-HA047742

Remarks:

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003261001

Method: EPA 537.1 - PFAS

Date Received: 05/11/2021

Date Collected: 05/11/2021

Field ID: HA047742

Submitted By: LOOKINGLAND

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		3.51
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		3.15
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.57
Perfluorohexanoic acid (PFHxA)	1.0		6.63
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		12.35
Perfluorooctanoic acid (PFOA)	1.0		8.98
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 05/20/2021

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Telephone: (443) 681 -3857

Fax: (443) 681-4507

Page 1 of 2

S:\EnviroFinal-Organics-PFAS.r



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003261002

Method: EPA 537.1 - PFAS

Date Received: 05/11/2021

Date Collected: 05/11/2021

Field ID: FB-HA047742

Submitted By: LOOKINGLAND

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Muneer* Approval date: 05/20/2021

*All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

2c 5/11/24

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE730101 Plant/Site Name: WHISPERING PINES 1 County: CECIL

Location: _____ Sample Source: CIRCLE Street ELKTON Town or City

Collector/ID: JOSEPH GAY 884/JG Phone No.: 4104467324

System No. CE73010 Plant No. 1 Date Collected 5/11/2024 Time Collected 8:50
County _____ PWSID _____

Field Data: pH 06.1 Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (WGS) <u>537.1</u> <u>PFA</u>	<u>FIELD BLANK</u>	<u>TRIZMA</u>	

E21003262001
Received: 05/11/2021 EPA 537.1
Organics CE730101

E21003262002
Received: 05/11/2021 EPA 537.1
Organics FB-CE730101

Remarks: _____

Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003262001

Method: EPA 537.1 - PFAS

Date Received: 05/11/2021

Date Collected: 05/11/2021

Field ID: CE730101

Submitted By: JOSEPH GAY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroheicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.20
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		5.22
Perfluorohexanesulfonic acid (PFHxS)	1.0		12.16
Perfluorohexanoic acid (PFHxA)	1.0		10.79
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		3.25
Perfluorooctanoic acid (PFOA)	1.0		6.23
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 05/20/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003262002

Method: EPA 537.1 - PFAS

Date Received: 05/11/2021

Date Collected: 05/11/2021

Field ID: FB-CE730101

Submitted By: JOSEPH GAY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 05/20/2021

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0.0 °C

zc 5/11/21

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: CE730323

Plant/Site Name: WHISPERING PINES 3 County: CECIL

Location:

Sample Source: PINE Street ELKTON Town or City

Collector/ID: JOSEPH GAY 8841 JG

Phone No.: 4104467324

County	System No.	PWSID	Plant No.	Date Collected	Time Collected
				5/11/2021	9:05 am

Field Data: pH 0.6 / Free Cl: 0.0 Total Cl: 0.0

Sample Type: Drinking water Landfill Source (water) Oil

Private Stream Distribution (treated) Solid

Community Soil/Sediment Water Treatment Plant POE Other

Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products

Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank		
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8260 (VOCs) 537-1 PFAS	Field Blank	TRIZMA	

E21003262003
Received: 05/11/2021 EPA 537.1
Organics CET30323

E21003262004
Received: 05/11/2021 EPA 537.1
Organics FB-CE730323

Remarks:

Lab Supervisor:

Date Reported: / /

Phone: (443) 681-3857 Fax: (443) 681-4507

ORIGINAL - LABORATORY

MDH98 (02/18)

SAMPLE TESTED AS RECEIVED



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003262003

Method: EPA 537.1 - PFAS

Date Received: 05/11/2021

Date Collected: 05/11/2021

Field ID: CE730323

Submitted By: JOSEPH GAY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		2.34
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		5.08
Perfluorohexanesulfonic acid (PFHxS)	1.0		12.36
Perfluorohexanoic acid (PFHxA)	1.0		11.00
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		2.80
Perfluorooctanoic acid (PFOA)	1.0		5.94
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sara Muneen* Approval date: 05/20/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003262004

Method: EPA 537.1 - PFAS

Date Received: 05/11/2021

Date Collected: 05/11/2021

Field ID: FB-CE730323

Submitted By: JOSEPH GAY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 05/20/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003298001

Method: EPA 537.1 - PFAS

Date Received: 05/13/2021

Date Collected: 05/12/2021

Field ID: W1810405 BLK

Submitted By: BEATTY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Muneer Approval date: 05/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
 MDH - Laboratories Administration
 Division of Environmental Chemistry
 ORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

AWSTWSTW

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI810405 Plant/Site Name: Naylor Mill MHF County: Wicomico
 Location: Well #2 POE Sample Source: 7850 Dublin Rd Salisbury
 Collector/ID: Beatty 0976WB Phone No.: 410 446 3952

County: 022 System No.: 0220221 Plant No.: 01 Date Collected: 5/12/2021 Time Collected: 800 am

Field Data: pH 7.7 Free Cl: 0.17 Total Cl: 0.25

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs			
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank	<input checked="" type="checkbox"/> TRIZMA	


E21003298002
 Received: 05/13/2021 EPA 537.1
 Organics W1810405-PO

Remarks: _____
 Lab Supervisor: _____ Date Reported: _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003298002

Method: EPA 537.1 - PFAS

Date Received: 05/13/2021

Date Collected: 05/12/2021

Field ID: W1810405-POE

Submitted By: BEATTY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorododecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		20.66
Perfluorohexanoic acid (PFHxA)	1.0		1.42
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		33.18
Perfluorooctanoic acid (PFOA)	1.0		2.27
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sarah Munn Approval date: 05/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 0 °C

Ans/hs/ste

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI810405 Plant/Site Name: Naylor Mill MHP County: Wicomico
 Location: Well #2 RAW Sample Source: 7850 Dublin Rd Salisbury
 Collector/ID: Beatty 0976wb Phone No.: 4104463952

County: 022 System No.: 0220221 Plant No.: 01 Date Collected: 5/12/2021 Time Collected: 800 am

Field Data: pH _____ Free Cl: ✓ Total Cl: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other _____

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors			
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment blank	<input checked="" type="checkbox"/> TRIZMA	


E21003298003
 Received: 05/13/2021 EPA 537.1
 Organics WI810405-RA

Remarks: _____

Lab Supervisor: _____ Date Reported: _____ / _____ / _____

• Phone: (443) 681-3857 • Fax: (443) 681-4507

ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003298003

Method: EPA 537.1 - PFAS

Date Received: 05/13/2021

Date Collected: 05/12/2021

Field ID: W1810405-RAW

Submitted By: BEATTY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		20.97
Perfluorohexanoic acid (PFHxA)	1.0		1.36
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		33.52
Perfluorooctanoic acid (PFOA)	1.0		2.23
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Munir* Approval date: 05/20/2021

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Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003298004

Method: EPA 537.1 - PFAS

Date Received: 05/13/2021

Date Collected: 05/12/2021

Field ID: W1730126-BLK

Submitted By: BEATTY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		ND
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanesulfonic acid (PFHxS)	1.0		ND
Perfluorohexanoic acid (PFHxA)	1.0		ND
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		ND
Perfluorooctanoic acid (PFOA)	1.0		ND
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: *Sadia Nunez* Approval date: 05/20/2021

***All results are in parts per trillion ppt); ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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Send Report to:

Temperature Blank: 0 °C

State of Maryland
MDH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

gw sl37u

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: WI730126 Plant/Site Name: Gateway Village MHP County: Wicomico
 Location: well house Sample Source: Shell Rd Salisbury
 Collector/ID: Beatty 0976ub Phone No.: 4104463952
Town or City


County: 022 System No.: 0204 Plant No.: 01 Date Collected: 5/12/2021 Time Collected: 900
am/pm

Field Data: pH 7.5 Free Cl: ✓ Total Cl: ✓

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 (Aroclors (SCAN only) & Toxaphene)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 8260 <u>8260</u> <u>537.1</u> <u>PFAS</u>	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Equipment blank	<input checked="" type="checkbox"/> TRIZMA	



E21003298005
 Received: 05/13/2021 EPA 537.1
 Organics W1730126

Remarks: _____
 Lab Supervisor: _____ Date Reported: ____/____/____

• Phone: (443) 681-3857 • Fax: (443) 681-4507
 ORIGINAL - LABORATORY



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab No.: E21003298005

Method: EPA 537.1 - PFAS

Date Received: 05/13/2021

Date Collected: 05/12/2021

Field ID: W1730126

Submitted By: BEATTY

Date Analyzed: 05/14/2021

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
1-chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.0		ND
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.0		ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.0		ND
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.0		ND
N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	2.5		ND
N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	3.0		ND
Perfluorobutanesulfonic acid (PFBS)	1.0		9.70
Perfluorodecanoic acid (PFDA)	1.0		ND
Perfluorododecanoic acid (PFDoA)	2.0		ND
Perfluoroheptanoic acid (PFHpA)	2.0		ND
Perfluorohexanoic acid (PFHxA)	2.0		4.62
Perfluorohexanesulfonic acid (PFHxS)	1.0		3.62
Perfluorohexanoic acid (PFHxA)	1.0		6.33
Perfluorononanoic acid (PFNA)	2.0		ND
Perfluorooctanesulfonic acid (PFOS)	2.0		14.00
Perfluorooctanoic acid (PFOA)	1.0		13.49
Perfluorotetradecanoic acid (PFTDA)	1.0		ND
Perfluorotridecanoic acid (PFTTrDA)	2.0		ND
Perfluoroundecanoic acid (PFUnDA)	1.0		ND

Comments:

Approved by: Sadia Nunez Approval date: 05/20/2021

***All results are in parts per trillion ppt; ND = Less than the reporting level; na = not applicable; e = estimated value. Samples are tested as received.**

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