

3020 VENTRIE COURT  
MYERSVILLE, MD 21773



(301) 293-3340  
INFO@FTLLAB.COM

**Client:** City of Charles Town  
661 South George Street, Suite 101  
Charles Town, WV 25414

**Project:** Sludge PFAs  
March 2026 Week 1

**Site:** N/A

**Work order: FAC0169**

Received at lab: 03/03/26 10:30  
Date Reported: 03/17/26 10:13  
Collected by: Robbie Shipe  
Treatment: N/A

**Source: Sludge**  
(Sludge)(Grab)

Collected: 03/03/26 08:02

Data Analyzed by: Maryland Spectral Services:

Lab ID	Parameter	Result	Units	MRL	MDL	DF	Prepared	Analyzed	Analyst	Qual	Method
FAC0169-01	PFHxA	<2.55	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFHxS Total	2.83	ug/kg dry	2.35	2.35	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFMBA (PF5OHxA)	<5.10	ug/kg dry	5.10	5.10	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFMPA (PF4OPeA)	<5.10	ug/kg dry	5.10	5.10	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFNA Total	<2.55	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFNS-L	<2.45	ug/kg dry	2.45	2.45	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFOA Total	4.18	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFOS Total	7.72	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFOSA Total	<2.55	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFPeA	<5.10	ug/kg dry	5.10	5.10	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFPeS-L	<2.40	ug/kg dry	2.40	2.40	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFTeDA	<2.55	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFTrDA	<2.55	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	PFUnDA	<2.55	ug/kg dry	2.55	2.55	1	03/11/26 09:15	03/11/26 19:27	TS		EPA 1633A
FAC0169-01	Percent Solids	20	%			1	03/13/26 17:21	03/14/26 09:29	MH		ASTM D2216-05

*Sara E. Randall*  
Sara E. Randall, President

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
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West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158

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**Client:** City of Charles Town  
661 South George Street, Suite 101  
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**Project:** Sludge PFAs  
March 2026

**Site:** N/A

**Work order: FAC0334**

Received at lab: 03/10/26 10:55  
Date Reported: 03/25/26 16:02  
Collected by: Robbie Shipe  
Treatment: N/A

**Source: Sludge**  
(Sludge)(Grab)

Collected: 03/10/26 07:31

Data Analyzed by: Maryland Spectral Services:

Lab ID	Parameter	Result	Units	MRL	MDL	DF	Prepared	Analyzed	Analyst	Qual	Method
FAC0334-01	PFHxA	<2.44	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFHxS Total	<2.25	ug/kg dry	2.25	2.25	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFMBA (PF5OHxA)	<4.88	ug/kg dry	4.88	4.88	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFMPA (PF4OPeA)	<4.88	ug/kg dry	4.88	4.88	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFNA Total	<2.44	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFNS-L	<2.34	ug/kg dry	2.34	2.34	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFOA Total	3.59	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFOS Total	8.65	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFOSA Total	<2.44	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFPeA	<4.88	ug/kg dry	4.88	4.88	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFPeS-L	<2.30	ug/kg dry	2.30	2.30	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFTeDA	<2.44	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFTrDA	<2.44	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	PFUnDA	<2.44	ug/kg dry	2.44	2.44	1	03/18/26 13:07	03/19/26 02:34	TS		EPA 1633A
FAC0334-01	Percent Solids	20	%			1	03/23/26 16:14	03/24/26 09:41	CSK		ASTM D2216-05

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**Client:** City of Charles Town  
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**Project:** Sludge PFAs  
March 2026

**Site:** N/A

**Work order: FAC0458**

Received at lab: 03/17/26 10:45  
Date Reported: 04/03/26 13:34  
Collected by: Robbie Shipe  
Treatment: N/A

**Source: Sludge**

(Sludge)(Grab)

Collected: 03/17/26 08:20

Data Analyzed by: Maryland Spectral Services:

Lab ID	Parameter	Result	Units	MRL	MDL	DF	Prepared	Analyzed	Analyst	Qual	Method
FAC0458-01	PFHxA	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFHxS Total	<0.46	ug/kg	0.46	0.46	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFMBA (PF5OHxA)	<0.99	ug/kg	0.99	0.99	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFMPA (PF4OPeA)	<0.99	ug/kg	0.99	0.99	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFNA Total	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFNS-L	<0.48	ug/kg	0.48	0.48	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFOA Total	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFOS Total	1.53	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFOSA Total	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFPeA	<0.99	ug/kg	0.99	0.99	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFPeS-L	<0.47	ug/kg	0.47	0.47	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFTeDA	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFTrDA	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A
FAC0458-01	PFUnDA	<0.50	ug/kg	0.50	0.50	1	03/25/26 12:45	03/28/26 11:41	TS		EPA 1633A

**Notes and Definitions**

**Item Definition**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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**Client:** City of Charles Town  
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**Project:** Sludge PFAs  
March 2026

**Site:** N/A

**Work order: FAC0618**

Received at lab: 03/24/26 10:25  
Date Reported: 04/08/26 09:41  
Collected by: Robbie Shipe  
Treatment: N/A

**Source: Sludge**  
(Sludge)(Grab)

Collected: 03/24/26 07:55

Data Analyzed by: Maryland Spectral Services:

Lab ID	Parameter	Result	Units	MRL	MDL	DF	Prepared	Analyzed	Analyst	Qual	Method
FAC0618-01	PFDS-L (Reshot)	<0.72	ug/kg	0.72	0.72	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFEESA (Reshot)	<1.33	ug/kg	1.33	1.33	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFHpA (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFHpS-L (Reshot)	<0.72	ug/kg	0.72	0.72	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFHxA (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFHxS Total (Reshot)	<0.69	ug/kg	0.69	0.69	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFMBA (PF5OHxA) (Reshot)	<1.50	ug/kg	1.50	1.50	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFMPA (PF4OPeA) (Reshot)	<1.50	ug/kg	1.50	1.50	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFNA Total (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFNS-L (Reshot)	<0.72	ug/kg	0.72	0.72	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFOA Total (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFOS Total (Reshot)	0.99	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFOSA Total (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFPeA (Reshot)	<1.50	ug/kg	1.50	1.50	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFPeS-L (Reshot)	<0.70	ug/kg	0.70	0.70	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFTeDA (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFTrDA (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A
FAC0618-01	PFUnDA (Reshot)	<0.75	ug/kg	0.75	0.75	1	04/02/26 09:15	04/04/26 13:30	TS		EPA 1633A

**Notes and Definitions**

**Item**      **Definition**

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