Vienna Utility Board
60th Street, Vienna, WV 26105
Regular Utility Board Session
Meeting location Vienna Utility Board
210 60th Street, Vienna, WV 26105

AGENDA
June 16, 2023
1:00 PM

I. Public Forum

II. Call to Order / Pledge of Allegiance

III. Roll Call

IV. Report of Minutes

V. Unfinished Business

A. Water Quality Testing
B. ARP Discussion
C. 5 – year Plan
D. 45th Place Waterline - Update
E. 12th Street Lift Station Improvement Project – Update
F. Burgess & Niple – Water & Wastewater System Improvements Project – Update
G. Dredging of Pond Run and Dry Dams
H. Burgess & Niple – 28th Street Storm Drainage Improvements – Phase 1 - Project Update
I. Lead Service Line Inventory – Update
J. Scada System Discussion - Continued

VI. **New Business**

A. Bid # UB 24-01 – New Truck for Utility Board – Approval

VII. Manager's Report

VIII. Utility Board Comments

Next regular meeting: Friday July 21, 2023 @ 1:00 PM Location: 210 60th Street, Vienna, WV 26105

The Chemours Company
1007 Market Street
PO Box 2047
Wilmington, DE 19899

302-773-1000 t
chemours.com

May 12, 2023

Craig Metz
City of Vienna Public Works Director
210 60th Street
Vienna, WV 26105
e-mail: cm@vienna-wv.com

City of Vienna - PFAS Analytical Results
April 2023 Monitoring

Dear Mr. Metz:

The City of Vienna Public Water Service currently receives water from three well fields, a northern well field location (wells 11 through 14), a central well field location (wells 7 and 8), and a southern well field location (wells 9 and 10). Granular Activated Carbon (GAC) treatment systems were installed at the northern well field, central well field, and the southern well field to remove perfluorooctanoic acid (PFOA) from the well field water as is required by the 2009 Consent Order as Amended (details of which are provided below). Monitoring for PFOA is ongoing as required by the 2009 Consent Order as Amended. The northern GAC system (identified as VPSD or VPSD1) became operational in August 2016 and utilizes two Calgon Model 10 units that contain two GAC carbon beds each (a lead bed and a lag bed). The southern GAC system (identified as VPSD2) became operational in October 2016 and utilizes two Calgon Model 10 units that contain two GAC beds each (a lead bed and a lag bed). The central GAC system (identified as VPSD3) became operational in October 2019 and utilizes one Calgon Model 10 unit that contain two GAC beds each (a lead bed and a lag bed).

Monthly monitoring of PFOA began at several points in the VPSD1, VPSD2, and VPSD3 GAC systems once the GAC systems were operational. Monitored points include the influent to the Model 10 units and the effluent from each of the four carbon beds. Chemours on a voluntary basis has begun analyzing the influent and effluent samples for 17 other per- and polyfluoroalkyl substances (PFAS) in addition to PFOA. Non-detect results for PFAS are reported as less than the reporting limit. PFAS results are reported to the laboratory's reporting limit [0.002 micrograms per liter[1] (ug/L)], adjusted for sample volume and dilution (if applicable), versus the project reporting limit (0.010 ug/L[2]).

The April 2023 monthly monitoring events for VPSD1, VPSD2, and VPSD3 were conducted on April 17, 2023. Attached are the results sheets for the above described monitoring of VPSD1, VPSD2, and VPSD3.

Additional information on the 2009 Consent Order as Amended is provided below.

On March 10, 2009, E. I. du Pont de Nemours and Company (DuPont) and Regions 3 and 5 of the United States Environmental Protection Agency (EPA) entered into an Administrative Order on Consent (Docket Nos. SDWA-03-2009-0127-DS and SDWA-05-2009-0001; the 2009 Consent Order) pursuant to Section 1431(a)(1) of the Safe Drinking Water Act, 42 U.S.C. § 300i(a)(1). Under the 2009 Consent Order, DuPont offered and/or provided, *inter alia*, temporary and/or permanent alternate drinking-water supplies to public and private (i.e., residential) water

[1] Unit conversion: 0.002 ug/L = 0.002 parts per billion (ppb) = 2 parts per trillion (ppt)
[2] Unit conversion: 0.010 ug/L = 0.010 ppb = 10 ppt

systems in the vicinity of a manufacturing facility known as the Washington Works (the Facility) located in Wood County, West Virginia, where PFOA was detected in finished water supplies at concentrations above specified levels. On or about February 1, 2015, The Chemours Company (Chemours) was formed as a wholly-owned subsidiary of DuPont and took over ownership and operation of the Facility. Chemours subsequently became an independent publicly-traded company on or about July 1, 2015, and, in accordance with various transaction documents relating to the corporate reorganization between DuPont and Chemours, took over implementation of the requirements of the 2009 Consent Order at that time.

Effective as of January 6, 2017, EPA, DuPont, and Chemours agreed to amend the 2009 Consent Order in accordance with the terms and conditions contained in a document entitled First Amendment to Order on Consent. The 2009 Consent Order as Amended contains various requirements relating to work that is occurring to collect and analyze water samples from private and public water supply systems in the general area of the Facility for the presence of PFOA and to undertake follow-up actions if the sampling results for PFOA exceed certain levels specified in the 2009 Consent Order as Amended.

The 2009 Consent Order as Amended reflects the fact that on May 19, 2016, EPA issued a Lifetime Health Advisory (HA) value for PFOA of 0.07 µg/L[3], based on information contained in a document titled *Health Effects Support Document for Perfluorooctanoic Acid (PFOA)* (EPA, 2016) (https://www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisories-pfoa-and-pfos). Health advisories apply to substances that are not subject to national primary drinking water regulations under the Safe Drinking Water Act and serve as informal technical guidance to assist federal, state, and local officials, and managers of public or community water systems by providing information on the health effects of and methods to sample and treat the substances in drinking water for which health advisories are established. In this case, the Lifetime Health Advisory value for PFOA issued by EPA is intended to be protective of both individuals consuming drinking water containing PFOA over a 70-year period (i.e., lifetime exposure) and pregnant women and breast and bottle-fed infants over shorter time periods.

Please contact me at (302) 773-1289 or Andrew.S.Hartten@chemours.com if you have any questions regarding the 2009 Consent Order as Amended or the installation or monthly monitoring of the three GAC treatment systems installed for the City of Vienna Public Water Service.

Sincerely,

Andrew S. Hartten
Remediation Manager
Chemours Corporate Remediation Group

Attachments

cc: John V. Lockhart, WVDEP email: John.V.Lockhart@wv.gov
Meredith Vance, WVBHP email: Meredith.J.Vance@wv.gov
Randy Rapp, City of Vienna Mayor email: randy.rapp@Vienna-wv.com
File (509038) (electronic copy)

[3] Unit conversion: 0.07 ug/L = 0.07 ppb = 70 ppt

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFOA	0.057	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFHxA	0.016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFHpA	0.0085	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFBS	0.019	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFHxS	0.014	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD	320-99060-1	04/17/23 09:34	04/19/23	04/25/23	DONA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFOA	0.054	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFHxA	0.015	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFHpA	0.0082	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFBS	0.018	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFHxS	0.013	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD1-BED1E-LEAD-D	320-99060-2	04/17/23 09:34	04/19/23	04/25/23	DONA	<0.0016	0.0016

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFOA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFHxA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFHpA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFBS	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFHxS	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD1-BED2E-LAG	320-99060-3	04/17/23 09:30	04/19/23	04/25/23	DONA	<0.0016	0.0016
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFOA	0.068	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFHxA	0.016	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFHpA	0.0095	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFNA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFDA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFUnA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFDoA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFTriA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFTeA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFBS	0.019	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFHxS	0.019	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	PFOS	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	NMeFOSAA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	NEtFOSAA	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	F-53B Major	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	F-53B Minor	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0017	0.0017
GC0423-VPSD1-BED1W-LEAD	320-99060-4	04/17/23 09:36	04/19/23	04/25/23	DONA	<0.0017	0.0017

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFOA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFHxA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFHpA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFBS	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFHxS	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD1-BED2W-LAG	320-99060-5	04/17/23 09:32	04/19/23	04/25/23	DONA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/26/23	PFOA	0.21	0.0081
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFHxA	0.019	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFHpA	0.018	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFBS	0.021	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFHxS	0.11	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	PFOS	0.0039	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD1-PT	320-99060-6	04/17/23 09:38	04/19/23	04/25/23	DONA	<0.0016	0.0016

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

DEFINITIONS:

ug/L = micrograms per liter (parts per billion)

< = less than the stated value.

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

MATRIX SPIKE RECOVERIES:

Eurofins Sample ID	Analyte	Percent Recovery	Percent Recovery Limits
320-99060-1 MS	PFOA	85	70 - 130
320-99060-1 MSD	PFOA	83	70 - 130
320-99060-1 MS	PFHxA	92	70 - 130
320-99060-1 MSD	PFHxA	91	70 - 130
320-99060-1 MS	PFHpA	97	70 - 130
320-99060-1 MSD	PFHpA	95	70 - 130
320-99060-1 MS	PFNA	93	70 - 130
320-99060-1 MSD	PFNA	94	70 - 130
320-99060-1 MS	PFDA	95	70 - 130
320-99060-1 MSD	PFDA	97	70 - 130
320-99060-1 MS	PFUnA	89	70 - 130
320-99060-1 MSD	PFUnA	95	70 - 130
320-99060-1 MS	PFDoA	86	70 - 130
320-99060-1 MSD	PFDoA	93	70 - 130
320-99060-1 MS	PFTriA	99	70 - 130
320-99060-1 MSD	PFTriA	104	70 - 130
320-99060-1 MS	PFTeA	92	70 - 130
320-99060-1 MSD	PFTeA	102	70 - 130
320-99060-1 MS	PFBS	96	70 - 130
320-99060-1 MSD	PFBS	94	70 - 130
320-99060-1 MS	PFHxS	100	70 - 130
320-99060-1 MSD	PFHxS	99	70 - 130
320-99060-1 MS	PFOS	96	70 - 130
320-99060-1 MSD	PFOS	95	70 - 130
320-99060-1 MS	NMeFOSAA	98	70 - 130
320-99060-1 MSD	NMeFOSAA	100	70 - 130
320-99060-1 MS	NEtFOSAA	95	70 - 130
320-99060-1 MSD	NEtFOSAA	98	70 - 130
320-99060-1 MS	F-53B Major	92	70 - 130
320-99060-1 MSD	F-53B Major	92	70 - 130
320-99060-1 MS	F-53B Minor	92	70 - 130
320-99060-1 MSD	F-53B Minor	96	70 - 130
320-99060-1 MS	HFPO-DA (GenX)	88	70 - 130
320-99060-1 MSD	HFPO-DA (GenX)	86	70 - 130
320-99060-1 MS	DONA	100	70 - 130
320-99060-1 MSD	DONA	100	70 - 130

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

SUBMITTED BY:

Laura Turpen, Project Manager I

4/27/2023
Date

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFOA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFHxA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFHpA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFNA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFDA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFUnA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFDoA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFTriA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFTeA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFBS	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFHxS	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	PFOS	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	NMeFOSAA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	NEtFOSAA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	F-53B Major	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	F-53B Minor	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG	320-99058-1	04/17/23 08:30	04/19/23	04/25/23	DONA	<0.0017	0.0017
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFOA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFHxA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFHpA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFBS	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFHxS	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD2-BED1N-LAG-D	320-99058-2	04/17/23 08:30	04/19/23	04/25/23	DONA	<0.0016	0.0016

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFOA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFHxA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFHpA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFBS	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFHxS	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD2-BED2N-LEAD	320-99058-3	04/17/23 08:34	04/19/23	04/25/23	DONA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFOA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFHxA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFHpA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFBS	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFHxS	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD2-BED1S-LAG	320-99058-4	04/17/23 08:32	04/19/23	04/25/23	DONA	<0.0016	0.0016

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFOA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFHxA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFHpA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFNA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFDA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFUnA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFDoA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFTriA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFTeA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFBS	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFHxS	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	PFOS	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	NMeFOSAA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	NEtFOSAA	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	F-53B Major	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	F-53B Minor	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0017	0.0017
GC0423-VPSD2-BED2S-LEAD	320-99058-5	04/17/23 08:36	04/19/23	04/25/23	DONA	<0.0017	0.0017
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFOA	0.11	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFHxA	0.0058	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFHpA	0.0078	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFBS	0.012	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFHxS	0.0052	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD2-PT	320-99058-6	04/17/23 08:38	04/19/23	04/25/23	DONA	<0.0016	0.0016

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

DEFINITIONS:

ug/L = micrograms per liter (parts per billion)

< = less than the stated value.

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

MATRIX SPIKE RECOVERIES:

Eurofins Sample ID	Analyte	Percent Recovery	Percent Recovery Limits
320-99058-3 MS	PFOA	90	70 - 130
320-99058-3 MSD	PFOA	92	70 - 130
320-99058-3 MS	PFHxA	91	70 - 130
320-99058-3 MSD	PFHxA	93	70 - 130
320-99058-3 MS	PFHpA	91	70 - 130
320-99058-3 MSD	PFHpA	89	70 - 130
320-99058-3 MS	PFNA	92	70 - 130
320-99058-3 MSD	PFNA	91	70 - 130
320-99058-3 MS	PFDA	97	70 - 130
320-99058-3 MSD	PFDA	96	70 - 130
320-99058-3 MS	PFUnA	91	70 - 130
320-99058-3 MSD	PFUnA	90	70 - 130
320-99058-3 MS	PFDoA	91	70 - 130
320-99058-3 MSD	PFDoA	88	70 - 130
320-99058-3 MS	PFTriA	105	70 - 130
320-99058-3 MSD	PFTriA	100	70 - 130
320-99058-3 MS	PFTeA	104	70 - 130
320-99058-3 MSD	PFTeA	96	70 - 130
320-99058-3 MS	PFBS	102	70 - 130
320-99058-3 MSD	PFBS	103	70 - 130
320-99058-3 MS	PFHxS	100	70 - 130
320-99058-3 MSD	PFHxS	103	70 - 130
320-99058-3 MS	PFOS	99	70 - 130
320-99058-3 MSD	PFOS	98	70 - 130
320-99058-3 MS	NMeFOSAA	102	70 - 130
320-99058-3 MSD	NMeFOSAA	99	70 - 130
320-99058-3 MS	NEtFOSAA	92	70 - 130
320-99058-3 MSD	NEtFOSAA	95	70 - 130
320-99058-3 MS	F-53B Major	96	70 - 130
320-99058-3 MSD	F-53B Major	94	70 - 130
320-99058-3 MS	F-53B Minor	94	70 - 130
320-99058-3 MSD	F-53B Minor	96	70 - 130
320-99058-3 MS	HFPO-DA (GenX)	85	70 - 130
320-99058-3 MSD	HFPO-DA (GenX)	82	70 - 130
320-99058-3 MS	DONA	93	70 - 130
320-99058-3 MSD	DONA	93	70 - 130

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

SUBMITTED BY:

Laura Turpen, Project Manager I

4/27/2023
Date

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFOA	0.085	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFHxA	0.0083	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFHpA	0.0090	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFBS	0.011	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFHxS	0.0033	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD3-BED1-LEAD	320-99069-1	04/17/23 08:56	04/19/23	04/25/23	DONA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFOA	0.0047	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFHxA	0.0025	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFHpA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFNA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFDA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFUnA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFDoA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFTriA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFTeA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFBS	0.0025	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFHxS	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	PFOS	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	NMeFOSAA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	NEtFOSAA	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	F-53B Major	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	F-53B Minor	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0016	0.0016
GC0423-VPSD3-BED2-LAG	320-99069-2	04/17/23 08:54	04/19/23	04/25/23	DONA	<0.0016	0.0016

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit (ug/L)
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFOA	0.16	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFHxA	0.0091	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFHpA	0.014	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFNA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFDA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFUnA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFDoA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFTriA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFTeA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFBS	0.013	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFHxS	0.0079	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	PFOS	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	NMeFOSAA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	NEtFOSAA	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	F-53B Major	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	F-53B Minor	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0017	0.0017
GC0423-VPSD3-PT	320-99069-3	04/17/23 08:58	04/19/23	04/25/23	DONA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFOA	0.15	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFHxA	0.0094	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFHpA	0.014	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFNA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFDA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFUnA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFDoA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFTriA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFTeA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFBS	0.012	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFHxS	0.0076	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	PFOS	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	NMeFOSAA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	NEtFOSAA	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	F-53B Major	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	F-53B Minor	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	HFPO-DA (GenX)	<0.0017	0.0017
GC0423-VPSD3-PT-D	320-99069-4	04/17/23 08:58	04/19/23	04/25/23	DONA	<0.0017	0.0017

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

DEFINITIONS:

ug/L = micrograms per liter (parts per billion)

< = less than the stated value.

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

MATRIX SPIKE RECOVERIES:

Eurofins Sample ID	Analyte	Percent Recovery	Percent Recovery Limits
320-99069-1 MS	PFOA	79	70 - 130
320-99069-1 MSD	PFOA	74	70 - 130
320-99069-1 MS	PFHxA	88	70 - 130
320-99069-1 MSD	PFHxA	86	70 - 130
320-99069-1 MS	PFHpA	88	70 - 130
320-99069-1 MSD	PFHpA	86	70 - 130
320-99069-1 MS	PFNA	88	70 - 130
320-99069-1 MSD	PFNA	87	70 - 130
320-99069-1 MS	PFDA	90	70 - 130
320-99069-1 MSD	PFDA	87	70 - 130
320-99069-1 MS	PFUnA	89	70 - 130
320-99069-1 MSD	PFUnA	84	70 - 130
320-99069-1 MS	PFDoA	87	70 - 130
320-99069-1 MSD	PFDoA	83	70 - 130
320-99069-1 MS	PFTriA	93	70 - 130
320-99069-1 MSD	PFTriA	88	70 - 130
320-99069-1 MS	PFTeA	100	70 - 130
320-99069-1 MSD	PFTeA	93	70 - 130
320-99069-1 MS	PFBS	97	70 - 130
320-99069-1 MSD	PFBS	93	70 - 130
320-99069-1 MS	PFHxS	100	70 - 130
320-99069-1 MSD	PFHxS	98	70 - 130
320-99069-1 MS	PFOS	99	70 - 130
320-99069-1 MSD	PFOS	92	70 - 130
320-99069-1 MS	NMeFOSAA	96	70 - 130
320-99069-1 MSD	NMeFOSAA	89	70 - 130
320-99069-1 MS	NEtFOSAA	92	70 - 130
320-99069-1 MSD	NEtFOSAA	86	70 - 130
320-99069-1 MS	F-53B Major	90	70 - 130
320-99069-1 MSD	F-53B Major	87	70 - 130
320-99069-1 MS	F-53B Minor	88	70 - 130
320-99069-1 MSD	F-53B Minor	85	70 - 130
320-99069-1 MS	HFPO-DA (GenX)	89	70 - 130
320-99069-1 MSD	HFPO-DA (GenX)	86	70 - 130
320-99069-1 MS	DONA	103	70 - 130
320-99069-1 MSD	DONA	96	70 - 130

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS) (continued)

SUBMITTED BY:

Laura Turpen, Project Manager I

4/27/2023
Date

CITY OF VIENNA
FIVE-YEAR PLAN (DRAFT)
November 7, 2020

	2020	2021	2022	2023	2024	2025
1st Quarter		Report/Prelim. Design Pond Run & Greenmont Dry Dams Dredging Bid 28th St. Storm Drainage Improvements	Bid Pond Run & McDonough Dry Dam Dredging			
		Begin PER for Sewer Rehabilitation Project				
		Valve & Hydrant Replacement Program Update comprehensive water system report Bid Spencers Landing wm extension Design for Rehab. of Well Nos. 9 & 10	Valve & Hydrant Replacement Program	Valve & Hydrant Replacement Program Design Rehab. Of Well Nos. 11 thru 14	Valve & Hydrant Replacement Program	Valve & Hydrant Replacement Program
2nd Quarter		Prepare Storm Water Planning Report Construct 28th St. Storm Drainage Improvements New NPDES MS4 General Permit Issued	Design of Phase 2 Stormwater Impr. (Includes 41st St. Area near Vienna Elem. School?) Rehab 2 Storm Lift Stations (In-House Crews)	Rehab 2 Storm Lift Stations (In-House Crews)	Design of Phase 3 Storm Imp Rehab 2 Storm Lift Stations (In-House Crews)	Construct Phase 3 Storm Imp
		Design Phase 1 Sewer Rehabilitation Project Sewer Rate Study	Rehab. 3 Lift Stations (In-House Crews) Construct Phase 1 Sewer Rehabilitation Project	Rehab. 3 Lift Stations (In-House Crews) Design Phase 2 Sewer Rehabilitation Project	Rehab. 3 Lift Stations (In-House crews) Construct Phase 2 Sewer Rehab. Project	Rehab2 Lift Stations (In-House crews)
		Water Rate Study Bid Rehab. of Well Nos. 9 & 10	Inspect Water Storage Tanks	Bid Rehab. Of Well Nos. 11 thru 14	Bid Rehab. of Well Nos. 11 and 12	Bid Rehab. of Well Nos. 13 and 14
		Design 27th Street Bridge	Construct 27th Street Bridge			Construct 27th Street Bridge
3rd Quarter	~~Annual Stormwater Report~~	Annual Stormwater Report Design of Phase 1 Stormwater Imp.	Annual Stormwater Report	Annual Stormwater Report	Annual Stormwater Report	Annual Stormwater Report
			Replace Pumps at 12th Street Lift Station			
		PER for Phase 1 Water System Imp. Construct wm to Spencers Landing Rehabilitate Well Nos. 9 & 10		PER for Phase 2 Water System Impr. Construct Rehab. of Well Nos. 11 thru 14	Rehabilitate Well Nos. 11 and 12	Rehabilitate Well Nos. 13 and 14
		Bid for Replacement Street Sweeper	Replacement Street Sweeper delivered			Construct 17th Street Bridge
4th Quarter	Prelim. & Final Design 28th St. Drainage	Construct Phase 1 Stormwater Improvements Final Design Pond Run and McDonough Dry Dams Dredging	Construct Phase 2 Storm Improvements Construct Pond Run & McDonough Dry Dams Dredging			
				PER for 46th St. Sewer Ext.?	Design 46th St. Sewer Ext.?	Construct 46th St. Sewer Ext.?
	Construct CBPSD Master Meter Water System Risk & Resilience Assessment	Design Phase 1 Water Imp.	Construct Phase 1 Water Imp.	Design Phase 2 Water System Imp.	Construct Phase 2 Water Imp.	
	Design water ext. to Spencers Landing and wm connects @ Wells 7 and 8 GAC Plant	(includes 28th St. Water Main?)				
	Paving Projects	Paving Projects	Paving Projects	Paving Projects Inspection of 17th Street Bridge	Paving Projects Design 17th Street Bridge	Paving Projects

Unscheduled Projects

14th Street
Greenmont Hills storm drainage
51st. Street Storm Drainage Improvements
Other Bridge Replacements

CITY OF VIENNA

Memo

To: Utility Board

From: Amy Roberts

Date: 06/12/2023

Re: Bid Recommendation

Sealed bids for the purchase of a new truck for the Utility Board were opened on Thursday, June 8, 2023, at 9:00am. There were 2 options to bid on with the criteria being slightly different size trucks. The bids were as follows: _

Option #1 – Mid-Size Crew Cab:

Matheny Motors (Ford Ranger) $42,235.00

Option #2 – Half Ton Truck

Matheny Motors (Ford F-150) $53,455.00

After discussion with the Public Works Director, he is requesting to go forward with the purchase of a Half ton Truck:

Matheny Motors (Ford F-150) $53,455.00

Funding the project: Funding for this project is budgeted in the Water Fund 80-392-0000 and is pending financing.