



Geosyntec Consultants of NC, P.C.
NC License No.: C-3500 and C-295

CHARACTERIZATION OF PFAS IN PROCESS AND NON-PROCESS WASTEWATER AND STORMWATER

Initial Characterization - Final Quarterly Report Addendum 1

Prepared for

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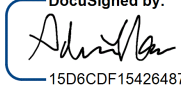
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Paragraph 11(c) Final Quarterly Report - Addendum 1

INTRODUCTION

This addendum to the *Characterization of PFAS in Process and Non-Process Wastewater and Stormwater: Initial Characterization – Final Quarterly Report* (Paragraph 11(c) Final Quarterly Report, Geosyntec, 2020a) was prepared by Geosyntec Consultants of NC, P.C. (Geosyntec) for The Chemours Company FC, LLC (Chemours). The Paragraph 11(c) Final Quarterly Report was submitted on December 18, 2020 pursuant to Paragraph 11(c) in the executed Consent Order entered February 25, 2019 amongst Chemours, the North Carolina Department of Environmental Quality (DEQ), and Cape Fear River Watch. This addendum supplements the data reported in the Paragraph 11(c) Final Quarterly Report and summarizes sampling conducted during the period between the 18-month Initial Characterization period under Paragraph 11(c) (April 2019 – September 2020) and the beginning of Ongoing Sampling under Paragraph 11(d), starting January 2021. The objective of Paragraph 11 is to characterize the concentrations of per- and polyfluoroalkyl substances (“PFAS”) in process wastewater, non-process wastewater, stormwater, and the raw water intake at the Chemours Fayetteville Works, North Carolina site (the Facility, Figure 1).

The activity period for this addendum includes 2020 Quarter 4 (October, November, December). Two sampling events were collected during 2020 Quarter 4, including a dry weather event in October 2020 and a wet weather event in November 2020. The dry weather event was collected on October 7, 2020 (the October 2020 event). During the November 2020 event, samples were collected from locations influenced by stormwater during a rain event on November 11, 2020; remaining sample locations were collected on November 16, 2020. Samples were collected as outlined in the PFAS Characterization Sampling Plan (Geosyntec, 2019a), with adjustments made based on recommendations in prior reports, as outlined in the Paragraph 11(c) Final Quarterly Report. Results from the samples collected during the October and November 2020 events are included in this addendum.

METHODS

This section describes the methods implemented for data reported in this 2020 Quarter 4 addendum.

Sample Locations

Sample locations outlined in the PFAS Characterization Sampling Plan (Geosyntec, 2019a) are described in Table 1 and shown in Figure 1.

In the October 2020 event, samples were collected from twenty-two (22) locations listed in Table 1. Locations 2, 3, 4, 5, 10, 11, and 13 were not sampled for the October 2020 event as there was insufficient water at these locations because the event occurred during a dry period. Location 24B, which represents Chemours Monomers IXM Line 3 and Line 4 non-contact cooling water (NCCW), was not sampled for the October 2020 event because it was offline due to Plant Turnaround. In the November 2020 event, samples were collected from the thirty (30) locations listed in Table 1.

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During each sampling event, either Location 21A or 21B (the south and north sediment ponds) is sampled depending on which sediment pond is active. Consistent with previous sampling events, the south sediment pond (Location 21A) was active during both the October and November 2020 events and samples were collected from this pond.

Field Methods**General Field Methods**

All equipment was inspected by the field program supervisor and calibrated daily prior to use in the field, according to the manufacturer's recommendations. Field parameters were measured with using a Horiba U-52 water quality meter prior to sample collection and then recorded. The water quality meter was calibrated at the start of every sampling day. Field parameters include the following:

- pH;
- Temperature (degrees Celsius; °C);
- Specific conductance [SC] (micromhos, μmho);
- Dissolved oxygen [DO] (milligrams per liter; mg/L);
- Oxidation/Reduction Potential [ORP] (millivolts; mV);
- Turbidity (nephelometric turbidity units, NTU);
- Color; and
- Odor.

Samples were collected in 250 milliliter (mL) high density polyethylene (HDPE) bottles with a wide-mouth screw-cap. Sample bottles were filled and caps were securely fastened after sample collection. Each sample was labelled with a unique sample identification number, date, time and location of sampling, and the initials of the individual collecting the sample. A field notebook and location-specific field forms were used to record information regarding additional items such as quality assurance / quality control (QA/QC), sample identifications, color, odor, turbidity, and other field parameters.

Decontamination Methods

Sample containers were new and used only once for each sample. Disposable equipment (e.g., gloves, tubing, etc.) was not reused; these items did not require decontamination.

All non-dedicated or non-disposable sampling equipment (i.e., the autosampler reservoir and dip rod) was decontaminated immediately before sample collection in the following manner:

- De-ionized water rinse;
- Scrub with de-ionized water containing non-phosphate detergent (i.e., Alconox®); and
- De-ionized water rinse.

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If there was a delay between decontamination and sample collection, decontaminated sampling equipment was covered with PFAS-free plastic until it was ready for use.

Grab Sampling Methods

Grab samples were collected from locations where temporal variability over the course of one day was not expected. These locations include non-process wastewater only locations (Locations 6A, 6B, 24A, 24B, and 24C), select process wastewater only locations (Locations 19A and 19B), and the Sediment Basin South location (Location 21A), as identified in Table 1 and shown on Figure 1. All grab samples were collected by directly filling the HDPE bottle with the sample. Prior to grab sample collection, field parameters were measured using a flow through cell for all grab sample locations.

Temporal Composite Sampling Methods

Temporal composite samples were collected during the bimonthly sampling events from locations where variability was expected to potentially be significant within a short time frame (e.g., one day). These locations, identified in Table 1 and shown on Figure 1, include those within the Facility conveyance network and the intake and outfall locations, since these locations can have highly variable dissolved and suspended constituent loads over short time periods. Temporal composite samples were collected using a dedicated Teledyne 6712C autosampler equipped with a rain gauge, HDPE tubing, silicon tubing, and an HDPE sample reservoir. Field parameters were measured once during composite sampling (collected directly from the water stream). During the sampling event, autosamplers generally integrated water over a four-hour sample collection period.

Sample Shipping, Chain of Custody, and Holding Times

Upon sample collection, each labelled, containerized sample was placed into a plastic bag inside an insulated sample cooler with ice. Prior to shipment of the samples to the laboratory, a chain of custody (COC) form was completed by the field sample custodian. Sample locations, sample identification numbers, description of samples, number of samples collected, and specific laboratory analyses to be performed on the samples were recorded on the COC form. COCs were signed by the field personnel relinquishing the samples to the courier and was signed by the laboratory upon receipt of the cooler.

Field QA/QC Samples

The following field QA/QC samples were collected and analyzed during the October 2020 and November 2020 events.

October 2020

- Two blind field duplicates;
- One equipment blank for the autosampler;
- One field blank; and
- One trip blank.

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November 2020

- Two blind field duplicates;
- Three equipment blanks for the dip rod, autosampler, and peristaltic pump;
- Two field blanks; and
- Two trip blanks.

Documentation

The project field team kept a daily record of field activities during the execution of field work including sampling notes and observations documented on field forms, instrument calibration records, measured field parameters, sample COC, and shipping records.

Laboratory Methods**Analytical Methods**

Samples were analyzed for PFAS by the following methods:

- Table 3+ Laboratory Standard Operating Procedure (SOP); and
- EPA Method 537 Mod (Laboratory SOP).

PFAS reported under each of these methods are listed in Table 2.

Laboratory and Field QA/QC

Field sampling and laboratory analyses were performed largely in accordance with the PFAS Characterization Sampling Plan (Geosyntec, 2019a). Samples were collected by the field team and shipped to TestAmerica Sacramento (TestAmerica) under COC. Laboratory analyses were performed within the guidelines specified by the laboratory SOPs. The collection frequency of field duplicates, matrix spike / matrix spike duplicates (MS/MSD), trip blanks, and equipment blanks was conducted in accordance with the PFAS Characterization Sampling Plan (Geosyntec, 2019a).

RESULTS – OCTOBER 2020 AND NOVEMBER 2020 EVENTS

This section describes the data quality, field parameter data, and sample results from the October and November 2020 events. PFAS concentrations for all sample locations in the October and November 2020 events are provided in Table 3 and Figures 2A and 2B. Table 4 provides the total daily precipitation in the area of the Facility and the flow measured at Outfall 002 at the times of sampling events discussed in this report. Field parameters recorded during the October and November 2020 events are provided in Table 5.

Data Quality

All data from the October and November 2020 events were reviewed using the Data Verification Module (DVM) within the Locus™ Environmental Information Management (EIM) system, which is a commercial software program used to manage data. Following the DVM process, a manual review of the data was conducted. The DVM and the manual review results were combined in a data review narrative report for each set of sample results which were consistent with Stage 2b of the EPA Guidance for Labelling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005 2009). The narrative report summarizes which samples were qualified (if any), the specific reasons for the qualification, and any potential bias in reported results. The data usability, in view of the project's data quality objectives (DQOs), was assessed and the data were entered into the EIM system.

The data were evaluated by the DVM against the following data usability checks:

- Hold time criteria;
- Field and laboratory blank contamination;
- Completeness of QA/QC samples;
- MS/MSD recoveries and the relative percent differences (RPDs) between these spikes;
- Laboratory control sample/control sample duplicate recoveries and the RPD between these spikes;
- Surrogate spike recoveries for organic analyses; and
- RPD between field duplicate sample pairs.

The manual review includes instrument-related QC results for calibration standards, blanks, and recoveries. The data review process (DVM plus manual review) applied the following data evaluation qualifiers to analysis results in the October and November 2020 events, as warranted:

- J – Analyte present. Reported value may not be accurate or precise; and
- UJ – Analyte not detected. Reporting limit may not be accurate or precise.

The data review process described above was performed for all laboratory chemical analytical data generated for the sampling event. The DQOs were met for the analytical results for accuracy and precision. The data collected during the October and November 2020 events are believed to be complete, representative and comparable, with the exception of R-PSDA,¹ Hydrolyzed PSDA,² and R-EVE.³

As reported in the *Matrix Interference During Analysis of Table 3+ Compounds* memorandum (Geosyntec, 2020b), matrix interference studies conducted by the analytical laboratory (TestAmerica, Sacramento) have shown that the quantitation of three compounds (R-PSDA,

¹ R-PSDA: 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-pentanoic acid

² Hydrolyzed PSDA: 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-acetic acid

³ R-EVE: 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid

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Hydrolyzed PSDA, and R-EVE) is inaccurate due to interferences by the sample matrix in both groundwater and surface water. Given the matrix interference issues, Total Table 3+ PFAS concentrations are calculated and presented two ways in this addendum: (i) summing over 17 of the 20 Table 3+ compounds “Total Table 3+ (17 compounds)”, i.e., excluding results of R-PSDA, Hydrolyzed PSDA, and R-EVE, and (ii) summing over 20 of the Table 3+ compounds “Total Table 3+ (20 compounds)”. Expressing these data as a range represents possible values of what these results might be without matrix interferences. In other words, the sum of all 17 compounds is an underestimate of the actual value while the sum of the 20 compounds is likely an overestimate of the actual value.

Because of this known matrix interference, results for R-PSDA, Hydrolyzed PSDA, and R-EVE have been J-qualified for the October and November 2020 events (Table 3) and retrospectively for all events.

Data Management and Reporting

Chemours’s Analytical Data Quality Management team currently uses the EIM system for management of analytical data, xyz Site coordinate data, and field parameter data. Validation and qualification of data are performed by AECOM who maintains the EIM system for the Chemours Fayetteville Site. Whitebooks consisting of the data review narratives and the laboratory analytical reports produced by AECOM summarize the findings of the DVM and manual review process.

QA/QC Samples

PFAS concentrations for all field QA/QC samples in the October and November 2020 events are reported in Table 3. The following observations were noted for the QA/QC samples:

- The RPD for field duplicate pairs in the October and November 2020 events were generally less than 30% for all PFAS. Where RPDs were greater than 30%, the reported results may be imprecise and were J qualified, indicating the results are estimated.
- No PFAS were detected above the associated reporting limits in the October and November 2020 Equipment Blanks, Trip Blanks, or Field Blanks.

October 2020 and November 2020 Field Parameter Data

Field parameters recorded during the October and November 2020 events are provided in Table 5 for grab samples and temporal composite samples. For grab samples, field parameters were measured once prior to sampling using a flow through cell. For temporal composite samples once during composite sampling and collected directly from the water stream.

Recorded field parameter data observed during the October and November 2020 events are generally in accordance with expectations for the sample locations, with the following exceptions:

- Most locations had recorded pH between 5 and 9. Location 22, the combined influent to the wastewater treatment plant (WWTP), had pH greater than 10 during both the October 2020 and November 2020 events; this location includes process and non-process

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wastewater and consistently measures pH higher than 10. Location 23B, Kuraray laboratory process wastewater, had pH less than 5 during the October 2020 event.

- Most locations had recorded DO between 5.0 and 9.0 mg/L. Location 15, combined stormwater and NCCW discharge from eastern portion of the Facility, had the highest DO measurement at 9.0 mg/L during the November 2020 event.
- Most locations had recorded ORP between 0 and 150 mV. Location 22, the WWTP combined influent, had the lowest ORP reading at -94 mV during the October 2020 event. Location 8, the WWTP effluent, had the highest ORP reading at 930 mV during the November 2020 event.
- Most locations had recorded turbidity between 0 and 100 NTU. Turbidity measurements were generally higher during the wet weather event in November 2020 than during the dry weather event in October 2020. During the October 2020 sampling event, two locations (21A and 23A) had turbidity measurements great than 100 NTU. During the November 2020 sampling event, seven locations (6A, 7A, 7B, 10, 15, 18, and 19B) had turbidity measurements great than 100 NTU. Location 21A, the Sediment Basin South, had the largest turbidity measurement at 988 NTU during the October 2020 sampling event.

October 2020 and November 2020 Event Sample Results

PFAS concentrations for all sample locations in the October and November 2020 events are provided in Table 3 and Figures 2A and 2B. Table 4 provides the total daily precipitation in the area of the Facility and the flow measured at Outfall 002 at the times of sampling events discussed in this report. TestAmerica analytical reports and the data review narrative whitebooks are provided as Attachment A to this addendum.

The text and figures of this addendum describe the Total Table 3+ (17 compounds) but the tables also provide the Total Table 3+ (20 compounds).

Figure 3 displays the total Table 3+ PFAS concentrations collected in October and November 2020 in comparison to previous events during the 18-month initial characterization Period. Trends and observations from the October and November 2020 events were generally consistent with previous sampling events as described in the Paragraph 11(c) Final Quarterly Report. Notable observations are listed below:

- PFAS concentrations from the October 2020 event were generally consistent with previous sampling events.
- PFAS concentrations during the November 2020 event at Location 18 (Kuraray process wastewater) were elevated compared to previous sampling events (Figure 3A). The ongoing WWTP assessment pursuant to Paragraph 4(d) of the Consent Order Addendum is evaluating sources of PFAS to the WWTP, including potential sources from the Kuraray leased areas. This assessment has indicated that Location 18 includes stormwater flows, which may have contributed to elevated PFAS concentrations at this location during the

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wet November 2020 event. Investigation into sources of PFAS to the WWTP indicate stormwater flows contribute some Table 3+ PFAS loading to the WWTP as described in Geosyntec (2021). Stormwater loads are expected to decline over time with continued operation of air emission abatement measures (e.g., the Thermal Oxidizer).

- During the November 2020 event, PFAS concentrations at Location 24C (Chemours Monomers Ion Exchange Membrane [IXM] Water Return Header NCCW) were elevated in comparison to previous sampling events (Figure 3B). Location 24C will continue to be sampled as a part of Paragraph 11(d) Ongoing Sampling until the Monomers IXM stormwater treatment system is operational. After completion of the Monomers IXM stormwater treatment system, the combined Chemours NCCW is proposed to be characterized at the discharge of the newly constructed pipe separating NCCW and stormwater to the combined influent sump at the WWTP.
- PFAS concentrations at the locations containing stormwater during the wet weather November 2020 event were elevated compared to dry weather events, but comparable to concentrations observed in the May/June 2020 wet weather event (Figure 3C, 3D, and 3F).

Observations from the October 2020 and November 2020 event are generally consistent with previous sampling events and further support the conclusions and recommendations from the Paragraph 11(c) Final Quarterly Report. Pursuant to Paragraph 11(d), Chemours will continue to collect bimonthly samples to characterize PFAS in the intake river water, process wastewater, non-process wastewater, and stormwater at the Facility under the Ongoing Sampling program, which began in January 2021. Results will be reported semi-annually, i.e. every-other quarter, within 90 days of the previous semiannual period. The first report will be submitted within 90 days of the end of 2021 Quarter 2 (i.e., before September 30, 2021).

REFERENCES

Environmental Protection Agency (EPA), 2009. Guidance for Labelling Externally Validated Laboratory Analytical Data for Superfund Use. Office of Solid Waste and Emergency Response. OSWER No. 9200.1-85, EPA-540-R-08-005

Geosyntec, 2019a. PFAS Characterization Sampling Plan. May 6, 2019.

Geosyntec, 2020a. Characterization of PFAS in Process and Non-Process Wastewater and Stormwater: Initial Characterization – Final Quarterly Report. December 18, 2020.

Geosyntec, 2020b. Matrix Interference During Analysis of Table 3+ Compounds. Chemours Fayetteville Works. July 31, 2020.

Geosyntec, 2021. WWTP Table 3+ PFAS Loading Assessment. May 28, 2021.

TABLES

**TABLE 1
SUMMARY OF SAMPLES COLLECTED
Chemours Fayetteville Works, North Carolina**

Sample Category	Sample Location ID	Sample Location Description	Sample Category	Sampling Method	Sample Collected	
					2020	
					October (Q4)	November (Q4)
Intake River Water at Facility	1	Discharge point of excess river water (i.e., water drawn from the Cape Fear River, but not used as process water or NCCW) to characterize background levels of PFAS	Intake River Water at Facility	Temporal Composite	YES	YES
Non-Chemours Process Wastewater	18	Kuraray process wastewater	Non-Chemours Process Wastewater	Temporal Composite	YES	YES
	19A	DuPont process wastewater, Plant 1	Non-Chemours Process Wastewater	Grab	YES	YES
	19B	DuPont process wastewater, Plant 2	Non-Chemours Process Wastewater	Grab	YES	YES
	23B	Kuraray laboratory process wastewater	Non-Chemours Process Wastewater	Grab	YES	YES
NCCW	6A	Kuraray southern leased area NCCW discharge - Vacuum Condenser	NCCW	Grab	YES	YES
	6B	Kuraray southern leased area NCCW discharge - Resins Area	NCCW	Grab	YES	YES
	24A	Chemours Monomers IXM Vinyl Ethers South NCCW	NCCW	Grab	YES	YES
	24B	Chemours Monomers IXM Line 3 and Line 4 Extruder NCCW	NCCW	Grab	NS ³	YES
	24C	Chemours Monomers IXM Water Return Header NCCW	NCCW	Grab	YES	YES
Stormwater	2	Kuraray northern leased area stormwater discharge	Stormwater	Temporal Composite	DRY	YES
	3	Chemours PPA area stormwater discharge	Stormwater	Temporal Composite	DRY	YES
	4	Combined stormwater discharge from Kuraray northern leased area and Chemours PPA area	Stormwater	Temporal Composite	DRY	YES
	5	Kuraray southern leased area stormwater	Stormwater	Temporal Composite	DRY	YES
	10	Chemours Monomers IXM area stormwater discharge	Stormwater	Temporal Composite	DRY	YES
	11	Stormwater discharge from portion of grassy field to north of decommissioned Chemours Teflon area	Stormwater	Temporal Composite	DRY	YES
Stormwater-NCCW	7A	Combined stormwater and NCCW discharge from western portion of the Facility	Stormwater-NCCW	Temporal Composite	YES	YES
	9	Chemours Monomers IXM NCCW and stormwater discharge including stormwater from Vinyl Ethers South and Vinyl Ethers North	Stormwater-NCCW	Temporal Composite	YES	YES
	10A	Combined Chemours Monomers IXM NCCW and stormwater discharge	Stormwater-NCCW	Temporal Composite	YES	YES
	12	DuPont area southern drainage ditch stormwater discharge and NCCW	Stormwater-NCCW	Temporal Composite	YES	YES
	13	DuPont area northern drainage ditch stormwater discharge and NCCW	Stormwater-NCCW	Temporal Composite	DRY	YES
	14	DuPont area southeast stormwater and NCCW discharge	Stormwater-NCCW	Temporal Composite	YES	YES
	15	Combined stormwater and NCCW discharge from eastern portion of the Facility	Stormwater-NCCW	Temporal Composite	YES	YES
	21A	Sediment Basin South	Stormwater-NCCW	Grab	YES	YES
21B	Sediment Basin North	Stormwater-NCCW	Grab	NS ²	NS ²	
Wastewater Treatment Plant	8	Outfall 001 treated non-Chemours process wastewater discharge to open channel to Outfall 002	Wastewater Treatment Plant	Temporal Composite	YES	YES
	22	WWTP combined influent	Wastewater Treatment Plant	Temporal Composite	YES	YES
	23A	Kuraray northern leased area combined process wastewater and NCCW; open grate on Terracotta pipe	Wastewater Treatment Plant	Temporal Composite	YES	YES
Combined Flows to Outfall 002	7B	Combined stormwater and NCCW discharge from western portion of the Facility and treated discharge from WWTP	Combined Flows to Outfall 002	Temporal Composite	YES	YES
	7C	Combined stormwater and NCCW discharge from western portion of the Facility, the eastern portion of the Facility, and the DuPont Area, and treated discharge from WWTP	Combined Flows to Outfall 002	Temporal Composite	YES	YES
	20	Outfall 002 pipe to Cape Fear River upstream of sump	Combined Flows to Outfall 002	Temporal Composite	YES	YES
Chemours Process Wastewater	16	Chemours Monomers IXM Area combined process wastewater	Chemours Process Wastewater	Grab	NS ¹	NS ¹
	17A	Chemours PPA Area waste acid trailer	Chemours Process Wastewater	Grab	NS ¹	NS ¹
	17B	Chemours PPA Area waste rinse water trailer	Chemours Process Wastewater	Grab	NS ¹	NS ¹

Notes:

Sample Events

October 2020 event (Q4) - 7 October 2020

November 2020 event (Q4) - 11 and 16 November 2020

Sample numbers refer to locations identified in Figure 2 of the main report.

All temporal composite samples collected in dry weather were integrated over 4 hours. Temporal composite samples collected during the storm event in November 2020 were integrated over up to 8 hours to line up with the storm event.

1 - Locations 16, 17A, and 17B were removed from the sampling program as these locations did not contribute flow to Outfall 002 and were consequently not sampled after 2019 Quarter 2.

2 - Location 21B was not sampled to date because this sediment pond was not in use at the time of sampling.

3 - Location 24B was not sampled during October 2020 event because it was offline.

IXM - ion exchange membrane

NCCW - non-contact cooling water

NS - Not sampled

PFAS - per- and polyfluoroalkyl substances

PPA - polymer processing aid

WWTP - Wastewater treatment plant

TABLE 2
PFAS AND ASSOCIATED ANALYTICAL METHODS
Chemours Fayetteville Works, North Carolina

Analytical Method	Common Name	Chemical Name	CASN	Chemical Formula
Table 3+ Lab SOP	HFPO-DA*	Hexafluoropropylene oxide dimer acid	13252-13-6	C6HF11O3
	PEPA	Perfluoro-2-ethoxypropionic acid	267239-61-2	C5HF9O3
	PFECA-G	Perfluoro-4-isopropoxybutanoic acid	801212-59-9	C12H9F9O3S
	PFMOAA	Perfluoro-2-methoxyacetic acid	674-13-5	C3HF5O3
	PFO2HxA	Perfluoro-3,5-dioxahexanoic acid	39492-88-1	C4HF7O4
	PFO3OA	Perfluoro-3,5,7-trioxaetanoic acid	39492-89-2	C5HF9O5
	PFO4DA	Perfluoro-3,5,7,9-tetraoxadecanoic acid	39492-90-5	C6HF11O6
	PMPA	Perfluoro-2-methoxypropionic acid	13140-29-9	C4HF7O3
	Hydro-EVE Acid	2,2,3,3-tetrafluoro-3-((1,1,1,2,3,3-hexafluoro-3-((1,2,2,2-tetrafluoroethyl)oxy)propan-2-yl)oxy)propionic acid	773804-62-9	C8H2F14O4
	EVE Acid	2,2,3,3-tetrafluoro-3-((1,1,1,2,3,3-hexafluoro-3-((1,2,2-trifluoroethyl)oxy)propan-2-yl)oxy)propionic acid	69087-46-3	C8HF13O4
	PFECA B	Perfluoro-3,6-dioxahexanoic acid	151772-58-6	C5HF9O4
	R-EVE	Pentanoic acid, 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro	2416366-22-6	C8H2F12O5
	PFO5DA	Perfluoro-3,5,7,9,11-pentaaxadecanoic acid	39492-91-6	C7HF13O7
	R-PSDA	Pentanoic acid, 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)	2416366-18-0	C7H2F12O6S
	R-PSDCA	Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2,3,3-pentafluoro-1-(trifluoromethyl)propoxy]	2416366-21-5	C6H2F12O4S
	Hydrolyzed PSDA	Acetic acid, 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]	2416366-19-1	C7H3F11O7S
	NVHOS	1,1,2,2,4,5,5,5-heptafluoro-3-oxapentanesulfonic acid; or 2-(1,2,2,2-ethoxy)tetrafluoroethanesulfonic acid; or 1-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-1,2,2,2-tetrafluoroethane	1132933-86-8	C4H2F8O4S
	PES	Perfluoro-2-ethoxyethanesulfonic acid	113507-82-7	C4HF9O4S
	PS Acid	Ethanesulfonic acid, 2-[1-(difluoro(1,2,2-trifluoroethyl)oxy)methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro	29311-67-9	C7HF13O5S
	Hydro-PS Acid	Ethanesulfonic acid, 2-[1-(difluoro(1,2,2,2-tetrafluoroethoxy)methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro	749836-20-2	C7H2F14O5S
EPA Method 537 Mod	PFBA	Perfluorobutanoic acid	375-22-4	C4HF7O2
	PFDA	Perfluorodecanoic acid	335-76-2	C10HF19O2
	PFDoA	Perfluorododecanoic acid	307-55-1	C12HF23O2
	PFHpA	Perfluoroheptanoic acid	375-85-9	C7HF13O2
	PFNA	Perfluorononanoic acid	375-95-1	C9HF17O2
	PFOA	Perfluorooctanoic acid	335-67-1	C8HF15O2
	PFHxA	Perfluorohexanoic acid	307-24-4	C6HF11O2
	PFPeA	Perfluoropentanoic acid	2706-90-3	C5HF9O2
	PFTeA	Perfluorotetradecanoic acid	376-06-7	C14HF27O2
	PFTriA	Perfluorotridecanoic acid	72629-94-8	C13HF25O2
	PFUnA	Perfluoroundecanoic acid	2058-94-8	C11HF21O2
	PFBS	Perfluorobutanesulfonate	375-73-5	C4HF9SO
	PFDS	Perfluorodecanesulfonate	335-77-3	C10HF21O3S
	PFHpS	Perfluoroheptanesulfonic acid	375-92-8	C7HF15O3S
	PFHxS	Perfluorohexanesulfonic acid	355-46-4	C6HF13SO3
	PFNS	Perfluoronanesulfonate	68259-12-1	C9HF19O3S
	PFOS	Perfluorosulfonic acid	1763-23-1	C8HF17SO3
	PFPeS	Perfluoropentane sulfonic acid	2706-91-4	C5HF11O3S
	10:2 FTS	Fluorotelomer sulfonate 10:2	120226-60-0	C12H5F21O3
	4:2 FTS	Fluorotelomer sulfonate 4:2	757124-72-4	C6H5F9O3S
	6:2 FTS	Fluorotelomer sulfonate 6:2	27619-97-2	C8H5F13SO3
	8:2 FTS	Fluorotelomer sulfonate 8:2	39108-34-4	C10H5F17O3S
	NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid	2991-50-6	C12H8F17NO4S
	NEtPFOSA	N-ethylperfluoro-1-octanesulfonamide	4151-50-2	C10H6F17NO2S
	NEtPFOSAE	N-ethyl perfluorooctane sulphonamidoethanol	1691-99-2	C12H10F17NO3S
	NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid	2355-31-9	C11H6F17NO4S
	NMePFOSA	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	C9H4F17NO2S
	NMePFOSAE	N-methyl perfluorooctane sulfonamidoethanol	24448-09-7	C11H8F17NO3S
	PFDOS	Perfluorododecanesulfonic acid	79780-39-5	C12HF25O3S
	PFHxDA	Perfluorohexadecanoic acid	67905-19-5	C16HF31O2
	PFODA	Perfluorooctadecanoic acid	16517-11-6	C18HF35O2
	PFOSA	Perfluorooctane Sulfonamide	754-91-6	C8H2F17NO2S
	F-53B Major	F-53B Major	73606-19-6	C8HC1F16O4S
	F-53B Minor	F-53B Minor	83329-89-9	C10HC1F20O4S
ADONA	4,8-dioxa-3H-perfluorononanoate	958445-44-8	C7H2F12O4	
NaDONA	NaDONA	EVS1361	--	
DONA	DONA	919005-14-4	--	

Notes:

*HFPO-DA may also appear on the EPA Method 537 Mod analyte list

EPA - Environmental Protection Agency

PFAS - per- and polyfluoroalkyl substances

SOP - Standard Operating Procedure

TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 1	Location 1	Location 2
Sample Event	October 2020	November 2020	November 2020
Field Sample ID	STW-LOC-1-4-100720	STW-LOC-1-8-111120	STW-LOC-2-4-111120
Date Sampled	10/07/2020	11/11/2020	11/11/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	29	110	260
PFMOAA	52	13	4.2
PFO2HxA	33	65	31
PFO3OA	4.8	21	9.7
PFO4DA	<2	14	5.8
PFO5DA	<2	6.7	3.2
PMPA	53	34	29
PEPA	<10	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	2	<2
R-PSDA	15J	30J	8J
Hydrolyzed PSDA	14J	4.9J	2.3J
R-PSDCA	<2	<2	<2
NVHOS	<2	3.1	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	4.4 J	16 J	15 J
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	170	270	340
Total Table 3+ (20 Compounds)	210	320	370
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4.2	2.9	<2
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	3.8	2.4	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	3.5	2.9	<2
Perfluorohexanoic Acid	6.6	4.3	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	8.3	6.3	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	5.1	4.4	4.8
PFOS	6.8	5.5	<2

Notes:

* - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.

Bold - Analyte detected above associated reporting limit

EPA - Environmental Protection Agency

B - Not detected substantially above the level reported in the laboratory or field blanks.

J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 3	Location 4	Locaton 5
Sample Event	November 2020	November 2020	November 2020
Field Sample ID	STW-LOC-3-8-111120	STW-LOC-4-8-111120	STW-LOC-5-4.6-111120
Date Sampled	11/11/2020	11/11/2020	11/11/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	1,600	340	96
PFMOAA	7	6.1	8.3
PFO2HxA	81	38	34
PFO3OA	29	14	10
PFO4DA	18	8	5.7
PFO5DA	12	3.8	17
PMPA	48	35	33
PEPA	12	20	11
PS Acid	<2	<2	<2
Hydro-PS Acid	2.8	2.7	<2
R-PSDA	27J	8.9J	7.5J
Hydrolyzed PSDA	6.5J	<2	2J
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	3.9	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	54J	12J	12J
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	1,800	470	220
Total Table 3+ (20 Compounds)	1,900	490	240
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	2.2
Perfluorobutanoic Acid	<5	7.7	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	10	<2	<2
Perfluorohexanoic Acid	2.3	<2	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	3.6	2.5	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	12	3.9	<2
PFOS	70	<2	<2

Notes:

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EPA - Environmental Protection Agency

B - Not detected substantially above the level reported in the laboratory or field blanks.

J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 6A	Location 6A	Location 6B
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-6A-100720	STW-LOC-6A-111620	STW-LOC-6B-100720
Date Sampled	10/07/2020	11/16/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	51	6.2	14
PFMOAA	47	<2	15
PFO2HxA	45	9.5	9.7
PFO3OA	11	<2	<2
PFO4DA	3.6	2.2	<2
PFO5DA	<2	<2	<2
PMPA	58	36	<20
PEPA	12	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	3	<2
R-PSDA	37J	<2	4J
Hydrolyzed PSDA	14J	12J	2.7J
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	11J	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	230	57	39
Total Table 3+ (20 Compounds)	290	69	45
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4.6	<2	4.1
Perfluorobutanoic Acid	5.5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	4.1	<2	4.2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	4.4	2.2	3.9
Perfluorohexanoic Acid	7.3	2.6	6.9
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	8.3	3.2	8.2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	7.8	2.5	6.1
PFOS	16	5.7	9.6

Notes:

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Bold - Analyte detected above associated reporting limit

EPA - Environmental Protection Agency

B - Not detected substantially above the level reported in the laboratory or field blanks.

J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 6B	Location 7A	Location 7A
Sample Event	November 2020	October 2020	November 2020
Field Sample ID	STW-LOC-6B-111620	STW-LOC-7A-4-100720	STW-LOC-7A-8-111120
Date Sampled	11/16/2020	10/07/2020	11/11/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<4	21	890
PFMOAA	<2	<2	<2
PFO2HxA	2.5	20	<2
PFO3OA	<2	2.9	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	45	40	<20
PEPA	<10	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	10J	<2
Hydrolyzed PSDA	<2	7.7J	<2
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	3.1J	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	48	84	890
Total Table 3+ (20 Compounds)	48	100	890
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	4.2	3.7
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	3.9	3.6
Perfluorohexadecanoic acid (PFHxDA)	<2 UJ	<2	<2
Perfluorohexane Sulfonic Acid	2.2	4.1	3.1
Perfluorohexanoic Acid	2.5	7	4.5
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2 UJ	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	2.9	8	7.9
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	2.6	6.5	22
PFOS	4.3	10	7.7

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 7B	Location 7B	Location 7C
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-7B-4-100720	STW-LOC-7B-8-111120	STW-LOC-7C-4-100720
Date Sampled	10/07/2020	11/11/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	22	950	28
PFMOAA	<2	14	<2
PFO2HxA	26	39	29
PFO3OA	4.9	12	5.9
PFO4DA	<2	8.4	2
PFO5DA	<2	8.2	<2
PMPA	39	62	43
PEPA	<10	<10	<10
PS Acid	<2	<2	5.7
Hydro-PS Acid	2.3	10	2.4
R-PSDA	13J	62J	12J
Hydrolyzed PSDA	23J	10J	39J
R-PSDCA	<2	<2	<2
NVHOS	2	6.5	2.2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	3J	23J	4.1J
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	96	1,100	120
Total Table 3+ (20 Compounds)	140	1,200	170
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4.2	3.4	4.3
Perfluorobutanoic Acid	<5	5.1	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	3.8	3.7	3.9
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	4.2	3.1	3.8
Perfluorohexanoic Acid	6.8	4.8	6.6
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	8.1	8.6	8.5
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	6.3	23	6.4
PFOS	9.8	7.8	9.5

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 7C	Location 8	Location 8
Sample Event	November 2020	October 2020	November 2020
Field Sample ID	STW-LOC-7C-8-111120	STW-LOC-8-4-100720	STW-LOC-8-3.6-111620
Date Sampled	11/11/2020	10/07/2020	11/16/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	1700	73	190
PFMOAA	170	790	<2
PFO2HxA	1,600	250	<2
PFO3OA	720	63	<2
PFO4DA	420	22	<2
PFO5DA	260 J	11	<2
PMPA	150	69	<20
PEPA	62	32	<10
PS Acid	220	6.7	8.4
Hydro-PS Acid	66	55	2
R-PSDA	1600J	11J	<2
Hydrolyzed PSDA	530J	130J	58J
R-PSDCA	7.8	2.2	<2
NVHOS	33	12	<2
EVE Acid	200	<2	<2
Hydro-EVE Acid	22	3.8	<2
R-EVE	400J	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	5,600	1,400	200
Total Table 3+ (20 Compounds)	8,200	1,500	260
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	6.1
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	3.1	4.9	3.6
Perfluorobutanoic Acid	11	6.4	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	8.4	4.7	3.8
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	3.1	3.5	3.2
Perfluorohexanoic Acid	5.4	6.9	5.7
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	43	7.6	7.2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	15	8.8	8.3
PFOS	7.6	2.3	2.2

Notes:

* - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.

Bold - Analyte detected above associated reporting limit

EPA - Environmental Protection Agency

B - Not detected substantially above the level reported in the laboratory or field blanks.

J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 9	Location 9	Location 9
Sample Event	October 2020	November 2020	November 2020
Field Sample ID	STW-LOC-9-4-100720	STW-LOC-9-8-111120	STW-LOC-9-8-111120-D
Date Sampled	10/07/2020	11/11/2020	11/11/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			Field Duplicate
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	90	7400	7800
PFMOAA	51	480	460
PFO2HxA	78	11,000	11,000
PFO3OA	26	5,900	5,000
PFO4DA	7.5	4,400 J	3,900
PFO5DA	3.6	2,900	3,400
PMPA	53	1,100	1,000
PEPA	10	550	580
PS Acid	130	2,800	2,700
Hydro-PS Acid	11	550	550
R-PSDA	95J	2000J	1900J
Hydrolyzed PSDA	390J	1700J	1700J
R-PSDCA	<2	63	62
NVHOS	5	220	220
EVE Acid	37	2,000	2,000
Hydro-EVE Acid	4.2	220	220
R-EVE	16J	910J	890J
PES	<2	11 J	8.8 J
PFECA B	<2	<13	<13
PFECA-G	<2	<24	<24
Total Table 3+ (17 Compounds)	510	40,000	39,000
Total Table 3+ (20 Compounds)	1,000	44,000	43,000
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4.1	3.1	2.9
Perfluorobutanoic Acid	5.2	69	66
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	4.6	60	59
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	3.9	3.5	3.6
Perfluorohexanoic Acid	7.1	13	12
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	11	11
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	13	370	320
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	3.6	3.4
PFOA	6.4	12	10
PFOS	9.7	8 J	12 J

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 10	Location 10A	Location 10A
Sample Event	November 2020	October 2020	October 2020
Field Sample ID	STW-LOC-10-8-111120	STW-LOC-10A-4-100720	STW-LOC-10A-4-100720-D
Date Sampled	11/11/2020	10/07/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			Field Duplicate
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	13000	110	99
PFMOAA	2,500	60	58
PFO2HxA	17,000	86	83
PFO3OA	17,000	28	29
PFO4DA	12,000	12	12
PFO5DA	7,100	6.4	6
PMPA	3,600	59	56
PEPA	1,900	15	14
PS Acid	440	110	110
Hydro-PS Acid	450	13	12
R-PSDA	550J	170 J	150J
Hydrolyzed PSDA	390J	370 J	350J
R-PSDCA	26	<2	<2
NVHOS	200	11	9.8
EVE Acid	230	34	34
Hydro-EVE Acid	180	5.2	5.1
R-EVE	520J	36 J	32J
PES	8.9	<2	<2
PFECA B	<27	<2	<2
PFECA-G	<48	<2	<2
Total Table 3+ (17 Compounds)	76,000	550	530
Total Table 3+ (20 Compounds)	77,000	1,100	1,100
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	4.1	4.1
Perfluorobutanoic Acid	99	5.7	5.9
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2 UJ	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	54	4.8	4.6
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	<2	4	3.8
Perfluorohexanoic Acid	18	6.9	7.7
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	13	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	220	13	13
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2 UJ	<2
Perfluoroundecanoic Acid	2.6	<2	<2
PFOA	9.9	6.5	7.3
PFOS	2.3	9.5	9.5

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 10A	Location 11	Location 12
Sample Event	November 2020	November 2020	October 2020
Field Sample ID	STW-LOC-10A-8-111120	STW-LOC-11-7.3-111120	STW-LOC-12-4-100720
Date Sampled	11/11/2020	11/11/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	8300	270	37
PFMOAA	1,300	43	50
PFO2HxA	6,100	340	33
PFO3OA	3,600	110	5.5
PFO4DA	2,300	74	2.5
PFO5DA	750	56 J	<2
PMPA	720	130	57
PEPA	310	51	13
PS Acid	970	7.7	<2
Hydro-PS Acid	290	22	<2
R-PSDA	1300J	180J	15J
Hydrolyzed PSDA	1000J	45J	13J
R-PSDCA	27	3.4	<2
NVHOS	130	8.1	12
EVE Acid	720	7.3	<2
Hydro-EVE Acid	98	6.6	<2
R-EVE	550J	92J	4.6J
PES	<6.7	<2	<2
PFECA B	<27	<2	<2
PFECA-G	<48	<2	<2
Total Table 3+ (17 Compounds)	26,000	1,100	210
Total Table 3+ (20 Compounds)	28,000	1,400	240
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	2.3	<2	6
Perfluorobutanoic Acid	60	9.2	6.1
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	49	2.7	6
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	2.6	<2	5.4
Perfluorohexanoic Acid	13	<2	10
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	9.4	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	280	11	11
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	2.8	<2	<2
PFOA	8.9	8.7	11
PFOS	5.7	4.4	16

Notes:

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ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 12	Location 13	Location 14
Sample Event	November 2020	November 2020	October 2020
Field Sample ID	STW-LOC-12-8-111120	STW-LOC-13-3.3-111120	STW-LOC-14-4-100720
Date Sampled	11/11/2020	11/11/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	120	430	29
PFMOAA	26	27	32
PFO2HxA	350	1,600	25
PFO3OA	110	360	3.5
PFO4DA	43	130	<2
PFO5DA	18 J	47 J	<2
PMPA	47	120	55
PEPA	21	52	<10
PS Acid	<2	5.9	<2
Hydro-PS Acid	9.7	13	<2
R-PSDA	88J	200J	8.8J
Hydrolyzed PSDA	7.9J	24J	9.5J
R-PSDCA	<2	<2	<2
NVHOS	2.2	4.3	9.7
EVE Acid	<2	13	<2
Hydro-EVE Acid	<2	6.2	<2
R-EVE	67J	180J	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	750	2,800	150
Total Table 3+ (20 Compounds)	910	3,200	170
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	5.7
Perfluorobutanoic Acid	<5	6.9	6
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	2.6	2.8	5.5
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	<2	<2	5.4
Perfluorohexanoic Acid	3.8	<2	9.6
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	5	10	11
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	5.5	3.7	8.4
PFOS	5.7	<2	12

Notes:

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ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 14	Location 15	Location 15
Sample Event	November 2020	October 2020	November 2020
Field Sample ID	STW-LOC-14-2.6-111120	STW-LOC-15-4-100720	STW-LOC-15-8-111120
Date Sampled	11/11/2020	10/07/2020	11/11/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	51	110	4700
PFMOAA	17	<2	360
PFO2HxA	230	66	6,100
PFO3OA	50	23	3,500
PFO4DA	24	9.6	2,300
PFO5DA	7	5.2	1,500
PMPA	38	36	760
PEPA	13	<10	360
PS Acid	<2	93	1,000
Hydro-PS Acid	<2	9.3	260
R-PSDA	21J	100J	890J
Hydrolyzed PSDA	5.8J	340J	590J
R-PSDCA	<2	<2	23
NVHOS	2.1	5.3	120
EVE Acid	<2	33	820
Hydro-EVE Acid	<2	4.1	100
R-EVE	11J	17J	410J
PES	<2	<2	7
PFECA B	<2	<2	<13
PFECA-G	<2	<2	<24
Total Table 3+ (17 Compounds)	430	390	22,000
Total Table 3+ (20 Compounds)	470	850	24,000
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	2.1	5.3	2.3
Perfluorobutanoic Acid	<5	6.2	41
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	2	5.9	31
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	2.5	5	2.2
Perfluorohexanoic Acid	4	8.8	8.1
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	5.9
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	5.1	16	180
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	4.6	7.9	7.2
PFOS	6.4	13	6

Notes:

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EPA - Environmental Protection Agency

B - Not detected substantially above the level reported in the laboratory or field blanks.

J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

< - Analyte not detected above associated reporting limit.

TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 18	Location 18	Location 19A
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-18-4-100720	STW-LOC-18-4-111620	STW-LOC-19A-100720
Date Sampled	10/07/2020	11/16/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	27	39	16
PFMOAA	<2	160	5.8
PFO2HxA	6.9	130	16
PFO3OA	2.8	34	2.7
PFO4DA	<2	28	<2
PFO5DA	<2	9.9	<2
PMPA	<20	37	<20
PEPA	<10	14	<10
PS Acid	<2	15	<2
Hydro-PS Acid	<2	62	<2
R-PSDA	7J	<2	5.8J
Hydrolyzed PSDA	2.3J	230J	4.3J
R-PSDCA	<2	2.8	<2
NVHOS	<2	20	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	4.2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	37	560	41
Total Table 3+ (20 Compounds)	46	790	51
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	5.8 J	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	7 J	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	2.2
Perfluorohexadecanoic acid (PFHxDA)	<2 UJ	<2	<2
Perfluorohexane Sulfonic Acid	<2	<2	<2
Perfluorohexanoic Acid	<2	<2	3.8
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2 UJ	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	2.6	<2	4.6
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	2	<2	3.7
PFOS	3.4	<2	<2

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

-- - No data reported

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 19A	Location 19B	Location 19B
Sample Event	November 2020	October 2020	November 2020
Field Sample ID	STW-LOC-19A-111620	STW-LOC-19B-100720	STW-LOC-19B-111620
Date Sampled	11/16/2020	10/07/2020	11/16/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	14	13	7.3
PFMOAA	<2	4.1	<2
PFO2HxA	<2	10	7.4
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	38	<20	31
PEPA	<10	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	52	27	46
Total Table 3+ (20 Compounds)	52	27	46
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	8.6	<5	8.6
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2 UJ	<2 UJ	<2
Perfluorohexane Sulfonic Acid	<2	<2	<2
Perfluorohexanoic Acid	<2	3.2	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2 UJ	<2 UJ	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	<2	4	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	<2	2.9	<2
PFOS	<2	3.3	<2

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 20	Location 20	Location 21A
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-20-4-100720	STW-LOC-20-8-111120	STW-LOC-21A-100720
Date Sampled	10/07/2020	11/11/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	57	2200	140
PFMOAA	<2	270	7
PFO2HxA	32	1,800	240
PFO3OA	7.1	1,000	99
PFO4DA	3.2	570	39
PFO5DA	<2	510	9.3
PMPA	44	250	<20
PEPA	<10	130	<10
PS Acid	11	300	2.6
Hydro-PS Acid	3.3	87	12
R-PSDA	24J	590J	210J
Hydrolyzed PSDA	52J	400J	14J
R-PSDCA	<2	8.5	<2
NVHOS	2.5	42	<2
EVE Acid	3.1	240	2.3
Hydro-EVE Acid	<2	34	2.3
R-EVE	5.9J	200J	5.5J
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2.4	<2
Total Table 3+ (17 Compounds)	160	7,400	550
Total Table 3+ (20 Compounds)	250	8,600	780
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4.1	2.9	6.9
Perfluorobutanoic Acid	<5	16	9.4
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	3.9	11	7.5
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	3.9	3.1	6.4
Perfluorohexanoic Acid	7.1	5.6	12
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	2.5	2.6
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	8.8	62	16
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	6.3	14	12
PFOS	9.9	7.1	23

Notes:

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ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 21A	Location 22	Location 22
Sample Event	November 2020	October 2020	November 2020
Field Sample ID	STW-LOC-21A-111620	STW-LOC-22-4-100720	STW-LOC-22-4-111620
Date Sampled	11/16/2020	10/07/2020	11/16/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<4	2800	69
PFMOAA	<2	<2	<2
PFO2HxA	<2	20	<2
PFO3OA	<2	16	<2
PFO4DA	<2	12	<2
PFO5DA	<2	4.9	<2
PMPA	25	30	42
PEPA	<10	180	<10
PS Acid	<2	63	<2
Hydro-PS Acid	<2	100	<2
R-PSDA	<2	630J	<2
Hydrolyzed PSDA	<2	170J	<2
R-PSDCA	<2	12	<2
NVHOS	<2	18	<2
EVE Acid	<2	15	<2
Hydro-EVE Acid	<2	33	<2
R-EVE	<2	210J	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	25	3,300	110
Total Table 3+ (20 Compounds)	25	4,300	110
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<6.7	<2
11Cl-PF3OUdS	<2	<3.2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<4.6	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2.4	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<8.5	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<14	<4
6:2 Fluorotelomer sulfonate	<5	<25	7
9Cl-PF3ONS	<2	<2.4	<2
DONA	<2	<4	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<13	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<8.7	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<4.3	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<12	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	<5	<24 UJ	<5 UJ
Perfluorodecane Sulfonic Acid	<2	<3.2	<2
Perfluorodecanoic Acid	<2	<3.1	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<9.7	<2
Perfluorododecanoic Acid	<2	<5.5	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	39	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<8.9 UJ	<2 UJ
Perfluorohexane Sulfonic Acid	<2	<5.7	<2
Perfluorohexanoic Acid	2.7	7.5	2.1
Perfluorononanesulfonic acid	<2	<3.7	<2
Perfluorononanoic Acid	<2	6.8	<2
Perfluorooctadecanoic acid	<2	<9.4 UJ	<2 UJ
Perfluorooctane Sulfonamide	<2	<9.8	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<3	<2
Perfluoropentanoic Acid	3.2	250	3.8
Perfluorotetradecanoic Acid	<2	<7.3	<2 UJ
Perfluorotridecanoic Acid	<2	<13	<2
Perfluoroundecanoic Acid	<2	<11	<2
PFOA	2.5	9.4	3.3
PFOS	5.3	6.6	2.9

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 23A	Location 23A	Location 23B
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-23A-4-100720	STW-LOC-23A-2-111620	STW-LOC-23B-100720
Date Sampled	10/07/2020	11/16/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	61	140	28
PFMOAA	370	220	8.1 J
PFO2HxA	93	95	21
PFO3OA	32	26	3.7
PFO4DA	15	20	<2
PFO5DA	8.6	4.4	<2
PMPA	<62	40	<20
PEPA	<10	10	<10
PS Acid	5,200	170	23
Hydro-PS Acid	220	43	<2
R-PSDA	98J	35J	<2
Hydrolyzed PSDA	2100J	420J	15J
R-PSDCA	<2	2.6	<2
NVHOS	22	22	<2
EVE Acid	39	<2	<2
Hydro-EVE Acid	13	4.4	<2
R-EVE	<7.2	5.4J	<2
PES	<2	<2	<2
PFECA B	<2.7	<2	<2
PFECA-G	<4.8	<2	<2
Total Table 3+ (17 Compounds)	6,100	800	84
Total Table 3+ (20 Compounds)	8,300	1,300	99
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	13	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	7.6	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	23	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	16	<5
Perfluorobutane Sulfonic Acid	4.5	<2	4
Perfluorobutanoic Acid	<5	21	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2 UJ
Perfluorododecanoic Acid	<2	15	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	5.3	2.9	3.6
Perfluorohexadecanoic acid (PFHxDA)	2.5	4.4	<2
Perfluorohexane Sulfonic Acid	4	2	3.7
Perfluorohexanoic Acid	7.9	4.9	6.6
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	3.5	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	11	7	7.6
Perfluorotetradecanoic Acid	2.7	11	<2
Perfluorotridecanoic Acid	<2	12	<2 UJ
Perfluoroundecanoic Acid	<2	6.1	<2
PFOA	14	16	6
PFOS	10	7	9.1

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 23B	Location 23B	Location 24A
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-23B-100720-DUP	STW-LOC-23B-111620	STW-LOC-24A-100720
Date Sampled	10/07/2020	11/16/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC	Field Duplicate		
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	28	17	20
PFMOAA	<2	<2	25
PFO2HxA	20	2	17
PFO3OA	3.7	<2	2.7
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<20	42	37
PEPA	<10	<10	<10
PS Acid	21	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	9.1J
Hydrolyzed PSDA	11J	<2	5.8J
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	6.6
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	2.8J
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	73	61	110
Total Table 3+ (20 Compounds)	84	61	130
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4	<2	4.1
Perfluorobutanoic Acid	<5	<5	6.2
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	3.7	<2	3.9
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	3.8	<2	4.3
Perfluorohexanoic Acid	6.5	2.5	6.9
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	7.9	3.1	8.5
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	6.3	3.8	6.2
PFOS	8.8	4.6	9.9

Notes:

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Bold - Analyte detected above associated reporting limit

EPA - Environmental Protection Agency

B - Not detected substantially above the level reported in the laboratory or field blanks.

J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 24A	Location 24A	Location 24B
Sample Event	November 2020	November 2020	November 2020
Field Sample ID	STW-LOC-24A-111620	STW-LOC-24A-111620-D	STW-LOC-24B-111620
Date Sampled	11/16/2020	11/16/2020	11/16/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC		Field Duplicate	
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	4.5	<4	7.5
PFMOAA	<2 UJ	<2	<2
PFO2HxA	2	<2	2.9
PFO3OA	<2 UJ	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	43	33	43
PEPA	<10	<10	<10
PS Acid	<2	<2	35
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	26J
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	50	33	88
Total Table 3+ (20 Compounds)	50	33	110
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2 UJ	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	2	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2 UJ	<2
Perfluorohexane Sulfonic Acid	2.1	2	<2
Perfluorohexanoic Acid	2.8	2.5	2.4
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2 UJ	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	3.4	2.7	3.3
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	3	3.1	2.3
PFOS	9.4 J	6.5 J	4.2

Notes:

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ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Location 24C	Location 24C	Trip Blank
Sample Event	October 2020	November 2020	October 2020
Field Sample ID	STW-LOC-24C-100720	STW-LOC-24C-111620	STW-TB-100720
Date Sampled	10/07/2020	11/16/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC			Trip Blank
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	21	85	<4
PFMOAA	30	6,100	<2
PFO2HxA	19	3,600	<2
PFO3OA	2.7	1,100	<2
PFO4DA	<2	690	<2
PFO5DA	<2	460	<2
PMPA	41	2,900	<20
PEPA	<10	480	<10
PS Acid	47	110	<2
Hydro-PS Acid	8.1	810	<2
R-PSDA	160J	3700J	<2
Hydrolyzed PSDA	210J	3800J	<2
R-PSDCA	<2	51	<2
NVHOS	13	530	<2
EVE Acid	57	91	<2
Hydro-EVE Acid	28	130	<2
R-EVE	25J	1400J	<2
PES	<2	<3.4	<2
PFECA B	<2	<13	<2
PFECA-G	<2	<24	<2
Total Table 3+ (17 Compounds)	270	17,000	ND
Total Table 3+ (20 Compounds)	660	26,000	ND
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	4.1	<2	<2
Perfluorobutanoic Acid	5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	3.7	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	3.9	<2	<2
Perfluorohexanoic Acid	6.9	2.5	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	8	4	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	6	2.4	<2
PFOS	12	4.5	<2

Notes:

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J - Analyte detected. Reported value may not be accurate or precise

ND - No Table 3+ compounds were detected above their associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Trip Blank	Trip Blank	Equipment Blank
Sample Event	November 2020	November 2020	October 2020
Field Sample ID	STW-LOC-TB-111120	STW-TB-111620	STW-EB-100720
Date Sampled	11/11/2020	11/17/2020	10/07/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC	Trip Blank	Trip Blank	Equipment Blank
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<4	<4	<4
PFMOAA	<2	<2	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<20	<20	<20
PEPA	<10	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	ND	ND	ND
Total Table 3+ (20 Compounds)	ND	ND	ND
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	<2	<2	<2
Perfluorohexanoic Acid	<2	<2	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	<2	<2	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	<2	<2	<2
PFOS	<2	<2	<2

Notes:

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ng/L - nanograms per liter

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Equipment Blank	Equipment Blank	Equipment Blank
Sample Event	November 2020	November 2020	November 2020
Field Sample ID	STW-LOC-EB-111220	STW-EB-DR-111620	STW-EB-IS-111620
Date Sampled	11/12/2020	11/16/2020	11/16/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<4	<4	<4
PFMOAA	<2	<2	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<20	<20	<20
PEPA	<10	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	ND	ND	ND
Total Table 3+ (20 Compounds)	ND	ND	ND
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	<2	<2	<2
Perfluorohexanoic Acid	<2	<2	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	<2	<2	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	<2	<2	<2
PFOS	<2	<2	<2

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TABLE 3
ANALYTICAL RESULTS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location ID	Field Blank	Field Blank	Field Blank
Sample Event	October 2020	November 2020	November 2020
Field Sample ID	STW-FB-100720	STW-LOC-FB-111220	STW-FB-111620
Date Sampled	10/07/2020	11/12/2020	11/16/2020
Analytical Laboratory	TestAmerica	TestAmerica	TestAmerica
QA/QC	Field Blank	Field Blank	Field Blank
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<4	<4	<4
PFMOAA	<2	<2	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<20	<20	<20
PEPA	<10	<10	<10
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Total Table 3+ (17 Compounds)	ND	ND	ND
Total Table 3+ (20 Compounds)	ND	ND	ND
Other PFAS (ng/L)			
10:2 Fluorotelomer sulfonate	<2	<2	<2
11Cl-PF3OUdS	<2	<2	<2
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2	<2	<2
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2	<2	<2
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2	<2	<2
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4	<4	<4
6:2 Fluorotelomer sulfonate	<5	<5	<5
9Cl-PF3ONS	<2	<2	<2
DONA	<2	<2	<2
N-ethyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
N-ethylperfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluoro-1-octanesulfonamide	<2	<2	<2
N-methyl perfluorooctane sulfonamidoacetic acid	<5	<5	<5
Perfluorobutane Sulfonic Acid	<2	<2	<2
Perfluorobutanoic Acid	<5	<5	<5
Perfluorodecane Sulfonic Acid	<2	<2	<2
Perfluorodecanoic Acid	<2	<2	<2
Perfluorododecane sulfonic acid (PFDoS)	<2	<2	<2
Perfluorododecanoic Acid	<2	<2	<2
Perfluoroheptane sulfonic acid (PFHpS)	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Perfluorohexadecanoic acid (PFHxDA)	<2	<2	<2
Perfluorohexane Sulfonic Acid	<2	<2	<2
Perfluorohexanoic Acid	<2	<2	<2
Perfluorononanesulfonic acid	<2	<2	<2
Perfluorononanoic Acid	<2	<2	<2
Perfluorooctadecanoic acid	<2	<2	<2
Perfluorooctane Sulfonamide	<2	<2	<2
Perfluoropentane sulfonic acid (PFPeS)	<2	<2	<2
Perfluoropentanoic Acid	<2	<2	<2
Perfluorotetradecanoic Acid	<2	<2	<2
Perfluorotridecanoic Acid	<2	<2	<2
Perfluoroundecanoic Acid	<2	<2	<2
PFOA	<2	<2	<2
PFOS	<2	<2	<2

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TABLE 4
TOTAL DAILY PRECIPITATION - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Date	Total Precipitation (inches)	Measured Outfall Flow (MGD)
10/1/2020	--	15.9
10/2/2020	--	15.8
10/3/2020	--	15.7
10/4/2020	--	14.4
10/5/2020	--	15.2
10/6/2020	--	15.4
10/7/2020	--	15.1
10/8/2020	--	16.7
10/9/2020	--	16.2
10/10/2020	0.02	4.2
10/11/2020	1.28	1.0
10/12/2020	0.09	0.0
10/13/2020	0.01	0.0
10/14/2020	--	0.0
10/15/2020	--	0.0
10/16/2020	0.03	0.0
10/17/2020	--	0.0
10/18/2020	--	0.0
10/19/2020	--	5.7
10/20/2020	--	9.8
10/21/2020	--	7.2
10/22/2020	--	10.6
10/23/2020	--	11.3
10/24/2020	--	11.7
10/25/2020	0.22	10.7
10/26/2020	0.02	11.1
10/27/2020	--	10.4
10/28/2020	--	8.1
10/29/2020	--	8.8
10/30/2020	0.19	8.2
10/31/2020	--	9.2
11/1/2020	0.22	8.4
11/2/2020	--	8.1
11/3/2020	--	8.1
11/4/2020	--	8.4
11/5/2020	--	9.1
11/6/2020	--	9.8
11/7/2020	--	9.1
11/8/2020	--	10.1
11/9/2020	0.03	11.5
11/10/2020	0.01	9.7
11/11/2020	2.75	29.0
11/12/2020	5.40	31.6
11/13/2020	--	12.1
11/14/2020	--	12.7
11/15/2020	0.03	11.1
11/16/2020	--	9.9
11/17/2020	--	11.7
11/18/2020	--	9.9
11/19/2020	--	10.0
11/20/2020	--	15.1
11/21/2020	--	17.1

TABLE 4
TOTAL DAILY PRECIPITATION - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Date	Total Precipitation (inches)	Measured Outfall Flow (MGD)
11/22/2020	--	20.4
11/23/2020	--	11.4
11/24/2020	--	19.0
11/25/2020	0.05	17.0
11/26/2020	--	17.8
11/27/2020	--	16.5
11/28/2020	0.06	16.9
11/29/2020	0.33	18.3
11/30/2020	0.4	17.0
12/1/2020	--	16.6
12/2/2020	--	16.7
12/3/2020	--	16.9
12/4/2020	0.04	17.1
12/5/2020	0.04	16.6
12/6/2020	--	16.6
12/7/2020	0.25	16.6
12/8/2020	--	16.8
12/9/2020	--	16.7
12/10/2020	--	16.6
12/11/2020	--	17.3
12/12/2020	--	16.6
12/13/2020	0.03	16.6
12/14/2020	0.34	17.3
12/15/2020	--	16.8
12/16/2020	0.6	17.5
12/17/2020	--	16.6
12/18/2020	--	17.1
12/19/2020	--	18.6
12/20/2020	0.43	18.9
12/21/2020	0.03	13.1
12/22/2020	--	16.8
12/23/2020	--	17.4
12/24/2020	1.33	21.2
12/25/2020	0.03	16.8
12/26/2020	--	18.5
12/27/2020	--	14.2
12/28/2020	--	15.2
12/29/2020	--	17.2
12/30/2020	--	16.6
12/31/2020	0.73	18.7

Notes:

Precipitation data obtained from USGS rain gauge at W.O. Huske Dam.

MGD - million gallons per day

USGS - United States Geological Survey

-- - below USGS measurement threshold

*72 hour period prior to sample collection date****Sample collection date***

TABLE 5
FIELD PARAMETERS - 2020 QUARTER 4
Chemours Fayetteville Works, North Carolina

Location	Sampling Method	pH		Temperature (°C)		Specific Conductivity (mS/cm)		Dissolved Oxygen (mg/L)		ORP (mV)		Turbidity (NTU)		Color		Odor	
		October	November	October	November	October	November	October	November	October	November	October	November	October	November	October	November
1	Temporal Composite	7.8	7.4	25	23	0.15	0.10	7.9	8.3	43	180	19	14	Brown	Colorless	None	None
2	Temporal Composite	--	7.1	--	25	--	8.5	--	7.8	--	0.16	--	13	--	Colorless	--	None
3	Temporal Composite	--	6.7	--	25	--	0.0065	--	7.8	--	160	--	29	--	Colorless	--	None
4	Temporal Composite	--	7.6	--	24	--	0.0083	--	7.9	--	170	--	4.4	--	Colorless	--	None
5	Temporal Composite	--	8.4	--	24	--	0.039	--	7.9	--	160	--	83	--	Brown	--	None
6A	Grab	6.8	6.9	25	20	0.82	0.13	7.3	8.0	10	77	43	210	Colorless	Brown	None	None
6B	Grab	7.1	7.0	25	20	0.080	0.091	7.5	8.0	100	64	6.5	48	Colorless	Colorless	None	Mixed
7A	Temporal Composite	7.7	7.5	25	23	0.13	0.10	7.6	8.7	39	230	15	110	Colorless	Green	None	None
7B	Temporal Composite	8.1	7.6	25	24	0.27	0.14	7.7	8.1	29	230	18	150	Colorless	Green	None	None
7C	Temporal Composite	8.0	7.5	25	24	0.21	0.19	7.8	8.2	42	130	20	16	Colorless	Colorless	None	None
8	Temporal Composite	8.1	8.1	26	25	2.0	1.5	6.4	8.8	13	930	2.6	1.9	Colorless	Colorless	Sewage	Sewage
9	Temporal Composite	7.6	7.5	27	25	0.094	0.063	7.5	7.7	80	130	24	51	Colorless	Colorless	None	None
10	Temporal Composite	--	7.8	--	25	--	0.029	--	7.7	--	110	--	110	--	Green	--	None
10A	Temporal Composite	7.7	7.4	27	25	0.086	0.037	7.6	7.8	64	130	10	67	Brown	Colorless	None	None
11	Temporal Composite	--	5.5	--	24	--	0.058	--	8.1	--	160	--	70	--	Brown	--	None
12	Temporal Composite	6.6	7.4	31	26	0.19	0.20	6.4	6.5	26	150	6.2	0.0	Colorless	Colorless	None	None
13	Temporal Composite	--	6.8	--	27	--	0.05	--	7.4	--	110	--	14	--	Colorless	--	None
14	Temporal Composite	7.6	7.4	35	31	0.14	0.16	6.8	7.0	62	130	3.1	13	Colorless	Colorless	None	None
15	Temporal Composite	8.0	7.2	26	24	0.10	0.06	7.5	9.0	45	10	60	240	Colorless	Brown	None	None
18	Temporal Composite	8.1	8.1	28	25	0.15	0.15	7.3	7.3	5.0	45	28	830	White	White	Mixed	Mixed
19A	Grab	7.2	6.9	25	3700	0.089	0.082	6.8	6.0	110	13	8.0	13	Colorless	Colorless	Mixed	Mixed
19B	Grab	7.2	7.3	24	34	0.07	0.11	6.9	7.0	110	27	2.9	110	Colorless	Colorless	Mixed	None
20	Temporal Composite	7.8	7.7	25	24	0.17	0.17	8.1	8.4	57	160	19	17	Colorless	Colorless	None	None
21A	Grab	6.0	7.0	26	24	0.16	0.49	6.6	7.2	120	28	990	72	Brown	Brown	None	None
22	Temporal Composite	10.7	10.0	30	27	0.50	1.19	6.0	6.3	-94	6.3	16	93	White	White	Mixed	Mixed
23A	Temporal Composite	5.0	7.1	29	25	0.20	0.48	6.5	6.7	44	28	850	4.5	Colorless	Colorless	None	None
23B	Grab	1.2	7.2	23	26	0.11	0.35	7.4	7.0	110	84	50	8.2	Yellow	Colorless	None	None
24A	Grab	7.2	7.3	25	21	0.084	1.1	7.6	7.7	100	-2.4	15	70	Colorless	Brown	None	None
24B	Grab	--	7.4	--	22	--	0.35	--	8.1	--	36	--	14	--	Colorless	--	None
24C	Grab	7.2	7.5	26	24	0.12	0.23	7.3	7.9	100	31	3.1	7.7	Colorless	Colorless	None	None

Notes:

-- sample not collected

°C - degrees Celsius

mg/L - milligrams per liter

mS/cm - milliSiemens per centimeter

mV - millivolt

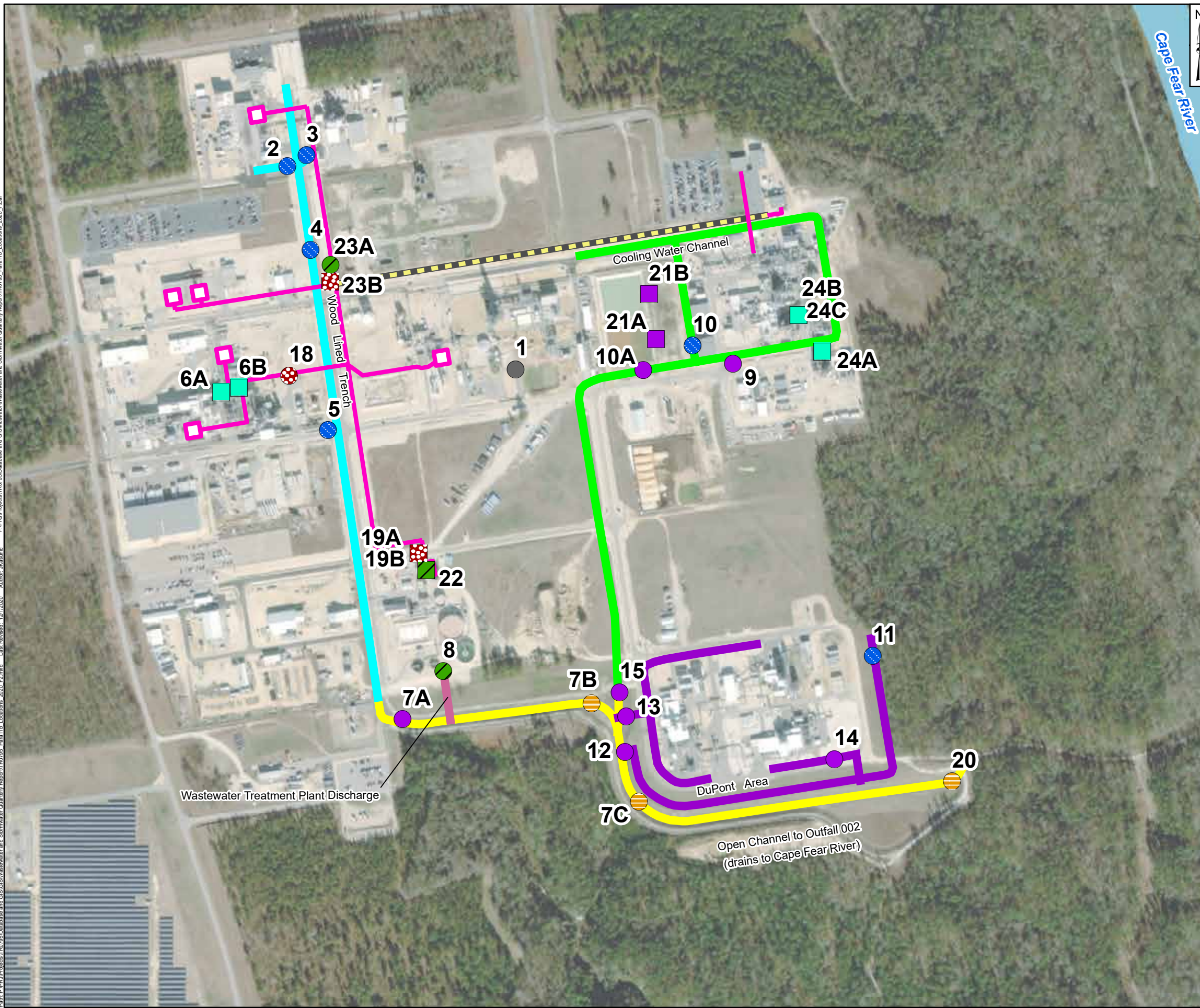
NTU - nephelometric turbidity units

ORP - oxidation reduction potential

Field parameters for the temporal composite samples were collected during sampling directly from the water stream only.

FIGURES

Path: P:\P\Projects\1180795 Database and GIS\GIS\Wastewater and Stormwater Quarterly Report\1180795 Part11b Locations_2020_F2.dwg Author: kkananic Last Revised: 12/1/2020



Legend

- Temporal Composite Sample
- Grab Sample

Sample Location Category

- Intake River Water at Facility
- Non-Chemours Process Wastewater
- Non-Contact Cooling Water (NCCW)
- Stormwater
- Stormwater-NCCW
- Wastewater Treatment Plant
- Combined Flows to Outfall 002

Ditch Type

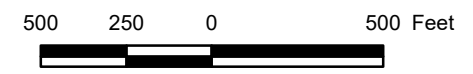
- Wood Lined Trench
- Wastewater Treatment Plant Discharge
- Cooling Water Channel
- Open Channel to Outfall 002
- DuPont Area

Other Connections

- Pipe Connection to Facility
- Terracotta Pipe and Piping Connected to Terracotta Pipe
- Grouted Pipe Section

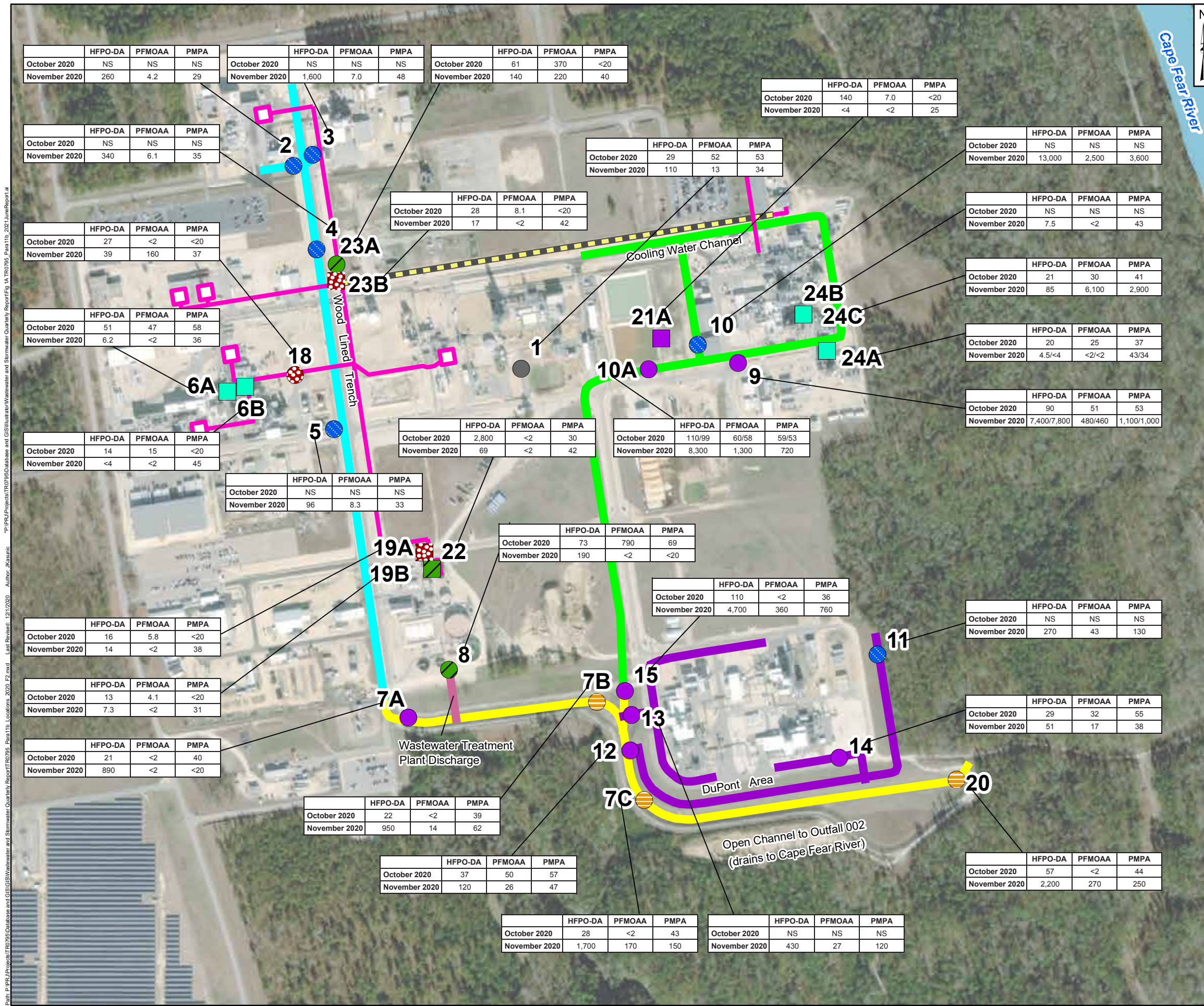
Notes:

1. Intake River Water at Facility sample location represents background concentrations of PFAS.
2. Non-Chemours Process Wastewater sample locations represent process wastewater from non-Chemours manufacturing areas.
3. Non-Contact Cooling Water (NCCW) sample locations represent non-process wastewater from Kuraray and Chemours manufacturing areas.
4. Stormwater sample locations represent stormwater only.
5. Stormwater-NCCW sample locations represent both stormwater and non-process wastewater from throughout the Facility.
6. Wastewater Treatment Plant sample locations represent process wastewater from non-Chemours manufacturing areas and non-process wastewater from throughout the Facility.
7. Combined Flows to Outfall 002 represent process wastewater, non-process wastewater, and stormwater from throughout the Facility.
8. Basemap Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Paragraph 11(b) Sample Locations
Chemours Fayetteville Works, North Carolina

Projection: WGS 1984 Web Mercator Auxiliary Sphere, Units in Meter



Legend

- Temporal Composite Sample
- Grab Sample

Sample Location Category

- Intake River Water at Facility
- Non-Chemours Process Wastewater
- Non-Contact Cooling Water (NCCW)
- Stormwater
- Stormwater-NCCW
- Wastewater Treatment Plant
- Combined Flows to Outfall 002

Ditch Type

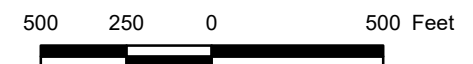
- Wood Lined Trench
- Wastewater Treatment Plant Discharge
- Cooling Water Channel
- Open Channel to Outfall 002
- DuPont Area

Other Connections

- Pipe Connection to Facility
- Terracotta Pipe and Piping Connected to Terracotta Pipe
- Grouted Pipe Section

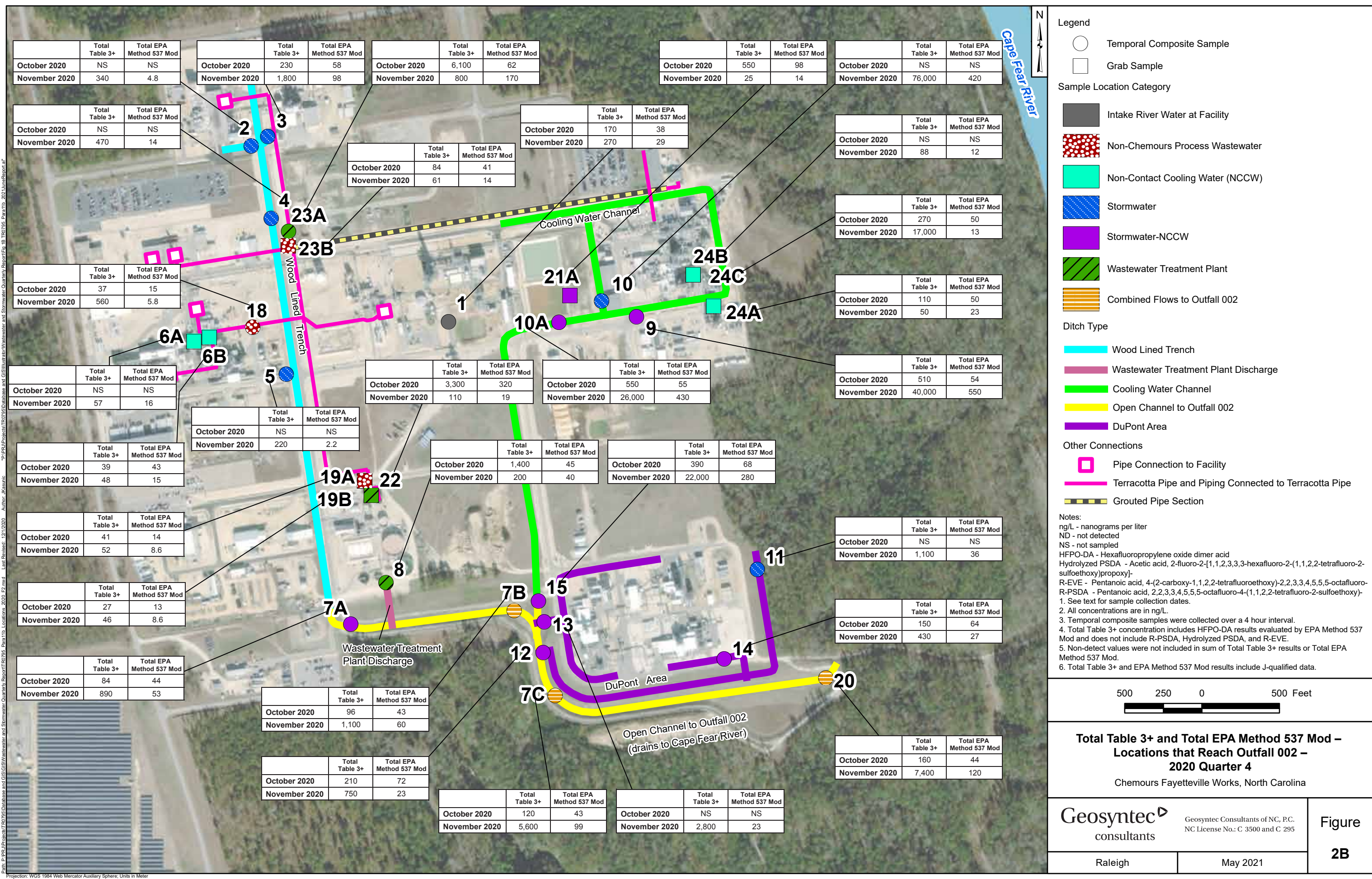
Notes:

- NS - not sampled
- µg/L - micrograms per liter
- HFPO-DA - Hexafluoropropylene oxide dimer acid
- PFMOAA - Perfluoro-2-methoxyacetic acid
- PMPA - Perfluoromethoxypropyl carboxylic acid
- See text for sample collection dates.
- All concentrations are in µg/L.
- Temporal composite samples were collected over a 4 hour interval.
- Second sample entry after slash indicates replicate sample.



HFPO-DA, PFMOAA, and PMPA – Locations that Reach Outfall 002 – 2020 Quarter 4
Chemours Fayetteville Works, North Carolina

Path: P:\P\Projects\180795 Database and GIS\GIS\Wastewater and Stormwater Quarterly Reporting IA TR0795_Plan 11b_2021 User Report 1a
 Author: Mkanani
 Last Revised: 12/1/2020
 Location: 2020 Q4 Locations
 Projection: WGS 1984 Web Mercator Auxiliary Sphere; Units in Meter



Path: P:\P\Projects\118095\Wastewater and Stormwater Quarterly Report\Fig 2B.mxd
 Author: Kmanic
 Last Revised: 12/1/2020
 Location: 2020 Q4.mxd
 Projection: WGS 1984 Web Mercator Auxiliary Sphere, Units in Meter

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	340	4.8

	Total Table 3+	Total EPA Method 537 Mod
October 2020	230	58
November 2020	1,800	98

	Total Table 3+	Total EPA Method 537 Mod
October 2020	6,100	62
November 2020	800	170

	Total Table 3+	Total EPA Method 537 Mod
October 2020	550	98
November 2020	25	14

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	76,000	420

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	470	14

	Total Table 3+	Total EPA Method 537 Mod
October 2020	84	41
November 2020	61	14

	Total Table 3+	Total EPA Method 537 Mod
October 2020	170	38
November 2020	270	29

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	88	12

	Total Table 3+	Total EPA Method 537 Mod
October 2020	270	50
November 2020	17,000	13

	Total Table 3+	Total EPA Method 537 Mod
October 2020	37	15
November 2020	560	5.8

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	57	16

	Total Table 3+	Total EPA Method 537 Mod
October 2020	3,300	320
November 2020	110	19

	Total Table 3+	Total EPA Method 537 Mod
October 2020	550	55
November 2020	26,000	430

	Total Table 3+	Total EPA Method 537 Mod
October 2020	110	50
November 2020	50	23

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	57	16

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	220	2.2

	Total Table 3+	Total EPA Method 537 Mod
October 2020	1,400	45
November 2020	200	40

	Total Table 3+	Total EPA Method 537 Mod
October 2020	390	68
November 2020	22,000	280

	Total Table 3+	Total EPA Method 537 Mod
October 2020	510	54
November 2020	40,000	550

	Total Table 3+	Total EPA Method 537 Mod
October 2020	39	43
November 2020	48	15

	Total Table 3+	Total EPA Method 537 Mod
October 2020	41	14
November 2020	52	8.6

	Total Table 3+	Total EPA Method 537 Mod
October 2020	1,400	45
November 2020	200	40

	Total Table 3+	Total EPA Method 537 Mod
October 2020	390	68
November 2020	22,000	280

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	1,100	36

	Total Table 3+	Total EPA Method 537 Mod
October 2020	27	13
November 2020	46	8.6

	Total Table 3+	Total EPA Method 537 Mod
October 2020	41	14
November 2020	52	8.6

	Total Table 3+	Total EPA Method 537 Mod
October 2020	1,400	45
November 2020	200	40

	Total Table 3+	Total EPA Method 537 Mod
October 2020	550	55
November 2020	26,000	430

	Total Table 3+	Total EPA Method 537 Mod
October 2020	150	64
November 2020	430	27

	Total Table 3+	Total EPA Method 537 Mod
October 2020	84	44
November 2020	890	53

	Total Table 3+	Total EPA Method 537 Mod
October 2020	96	43
November 2020	1,100	60

	Total Table 3+	Total EPA Method 537 Mod
October 2020	210	72
November 2020	750	23

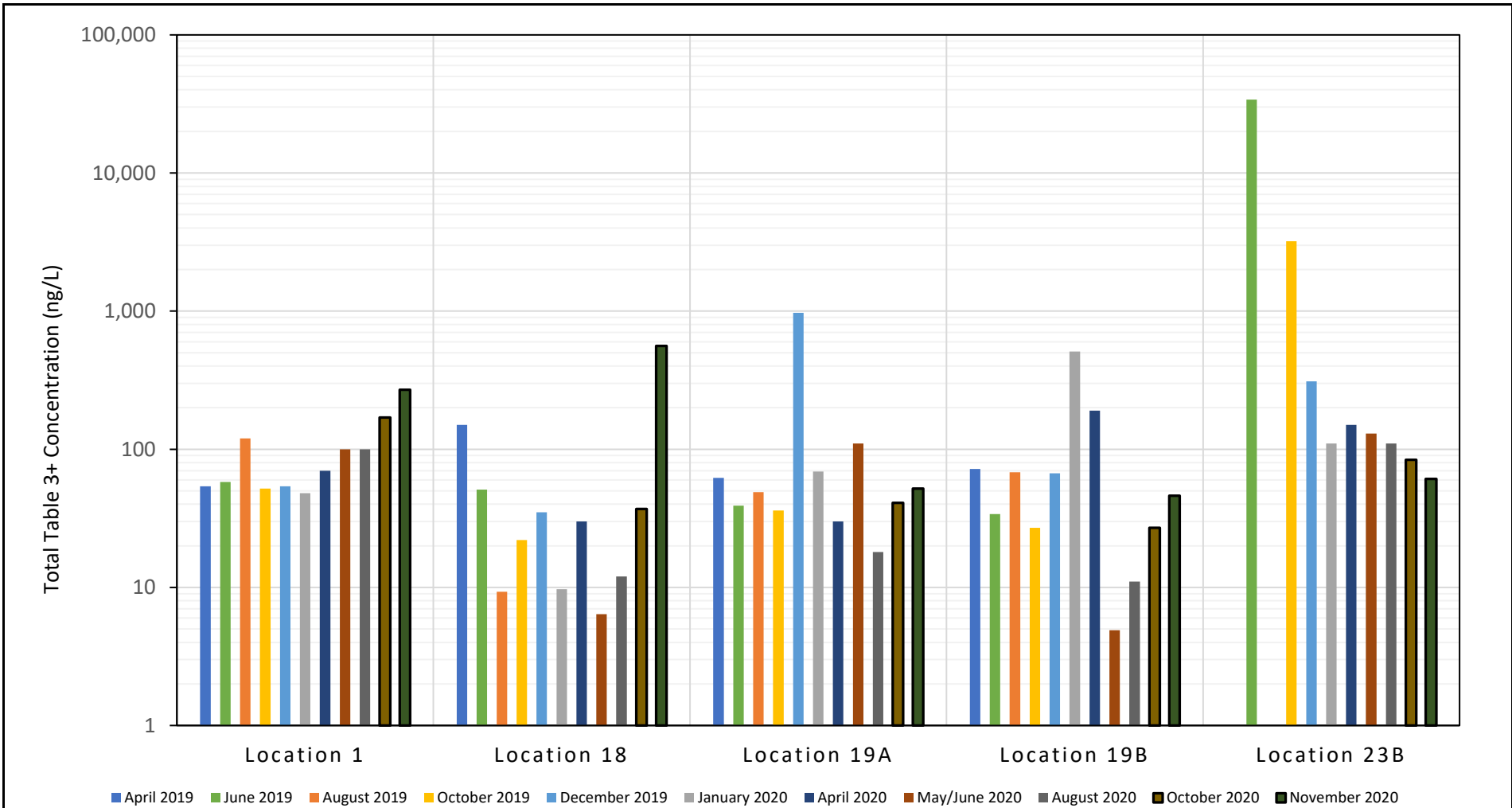
	Total Table 3+	Total EPA Method 537 Mod
October 2020	120	43
November 2020	5,600	99

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	2,800	23

	Total Table 3+	Total EPA Method 537 Mod
October 2020	160	44
November 2020	7,400	120

	Total Table 3+	Total EPA Method 537 Mod
October 2020	120	43
November 2020	5,600	99

	Total Table 3+	Total EPA Method 537 Mod
October 2020	NS	NS
November 2020	2,800	23

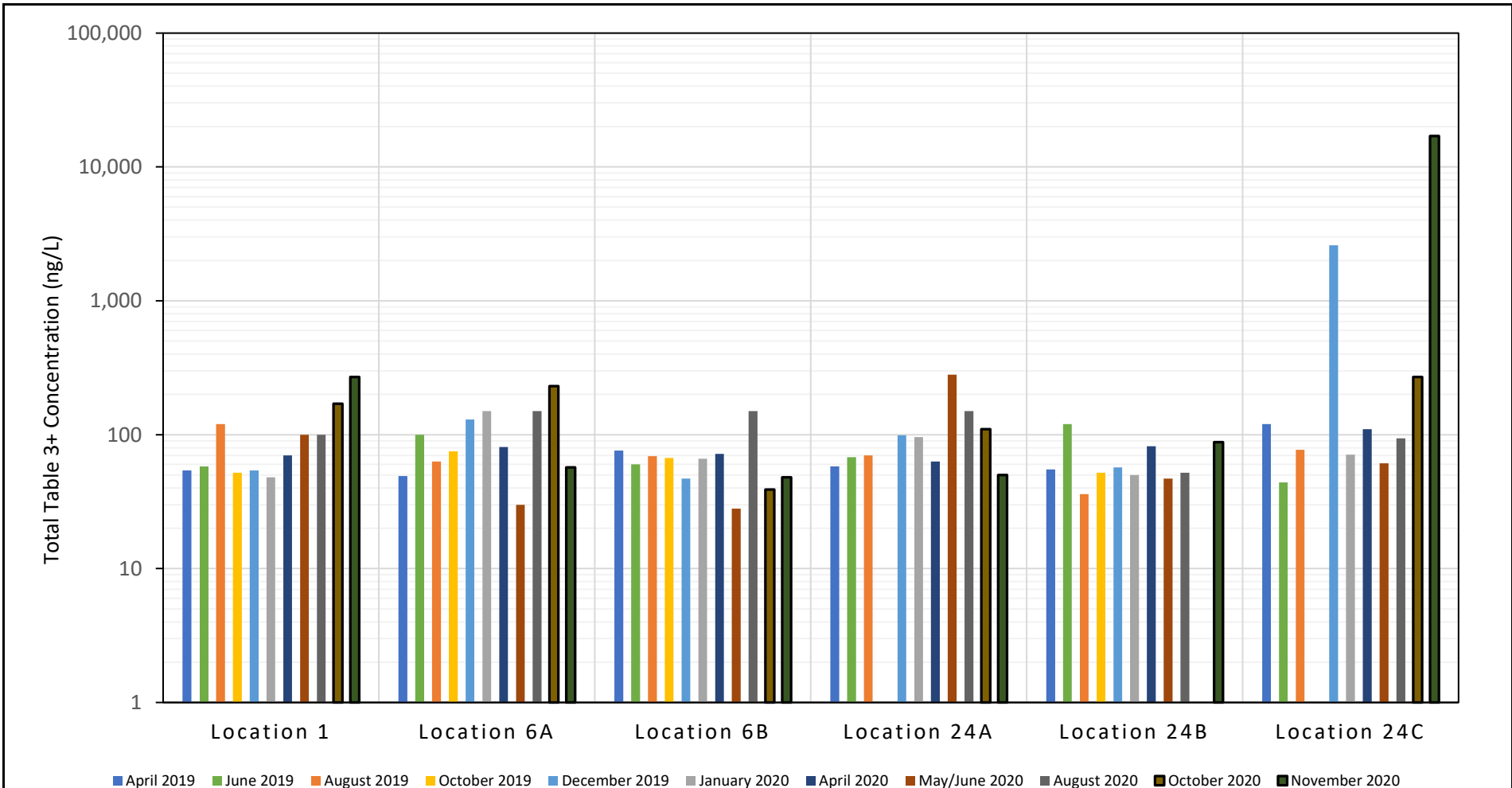


Notes:

1. ng/L - nanograms per liter
2. Total Table 3+ 17 compound sums presented.
3. Location 1 represents background concentrations. Other locations represent process wastewater from non-Chemours manufacturing areas. See Figure 2 in main report for sample locations.
4. October 2020 and November 2020 results presented are outlined in black to indicate samples were collected after the 18-month Initial Characterization Period.

Location 1 - Intake River Water at Facility
 Location 18 - Kuraray process wastewater
 Location 19A - DuPont process wastewater, Plant 1
 Location 19B - DuPont process wastewater, Plant 2
 Location 23B - Kuraray laboratory process wastewater

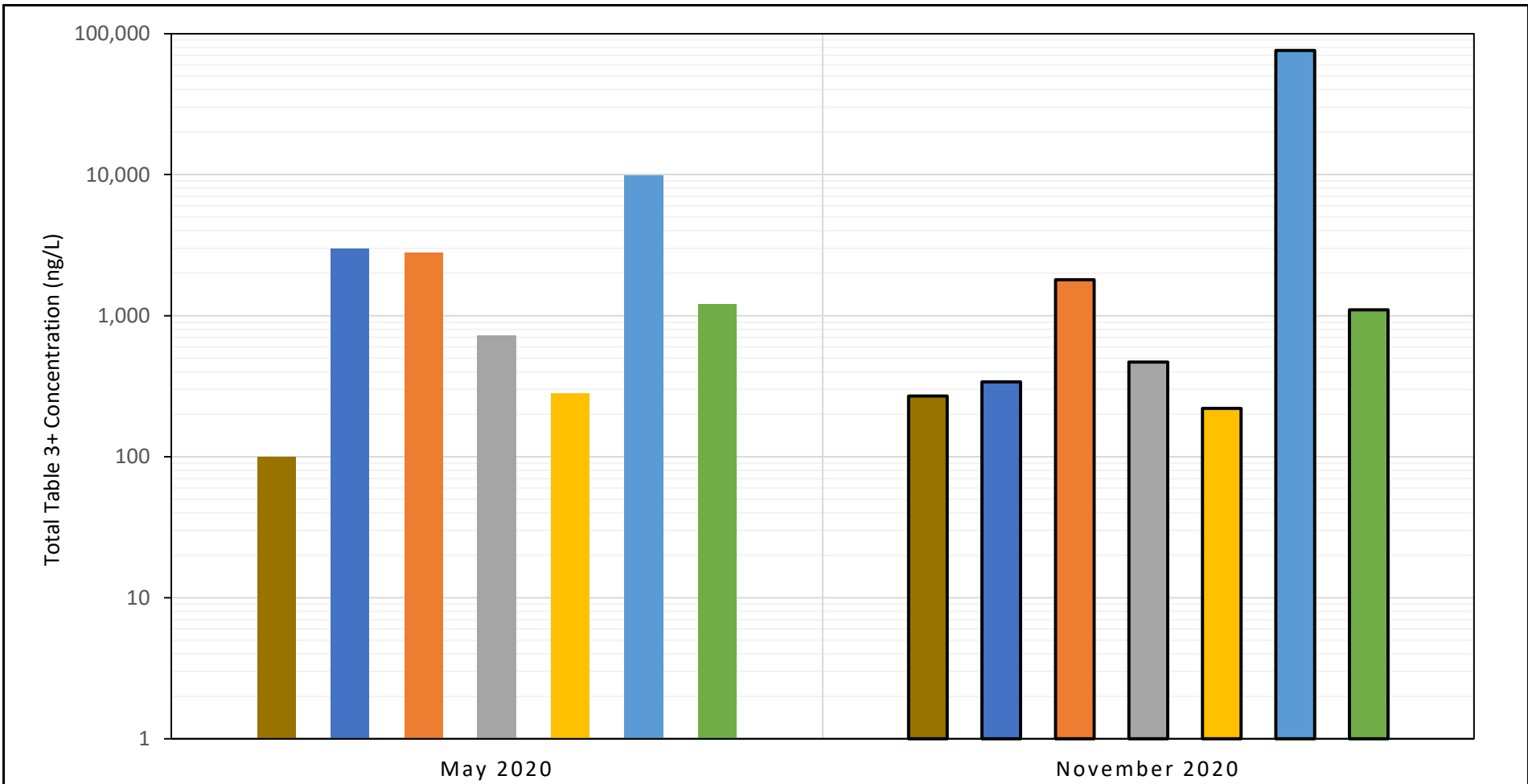
Total Table 3+ Concentrations Non-Chemours Process Wastewater Chemours Fayetteville Works, North Carolina		Figure 3A
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh	May 2021	



Notes:

1. ng/L - nanograms per liter
 2. Total Table 3+ 17 compound sums presented.
 3. Location 1 represents background concentrations. Other locations represent non-process wastewater from Kuraray and Chemours manufacturing areas. See Figure 2 in main report for sample locations.
 4. October 2020 and November 2020 results presented are outlined in black to indicate samples were collected after the 18-month Initial Characterization Period.
- Location 1 - Intake River Water at Facility
 Location 6A - Kuraray southern leased area non-process wastewater discharge - Vacuum Condenser
 Location 6B - Kuraray southern leased area non-process wastewater discharge - Resins Area
 Location 24A - Chemours Monomers Ion Exchange Materials (IXM) Vinyl Ethers South non-process wastewater
 Location 24B - Chemours Monomers IXM Line 3 and Line 4 Extruder non-process wastewater
 Location 24C - Chemours Monomers IXM Water Return Header non-process wastewater

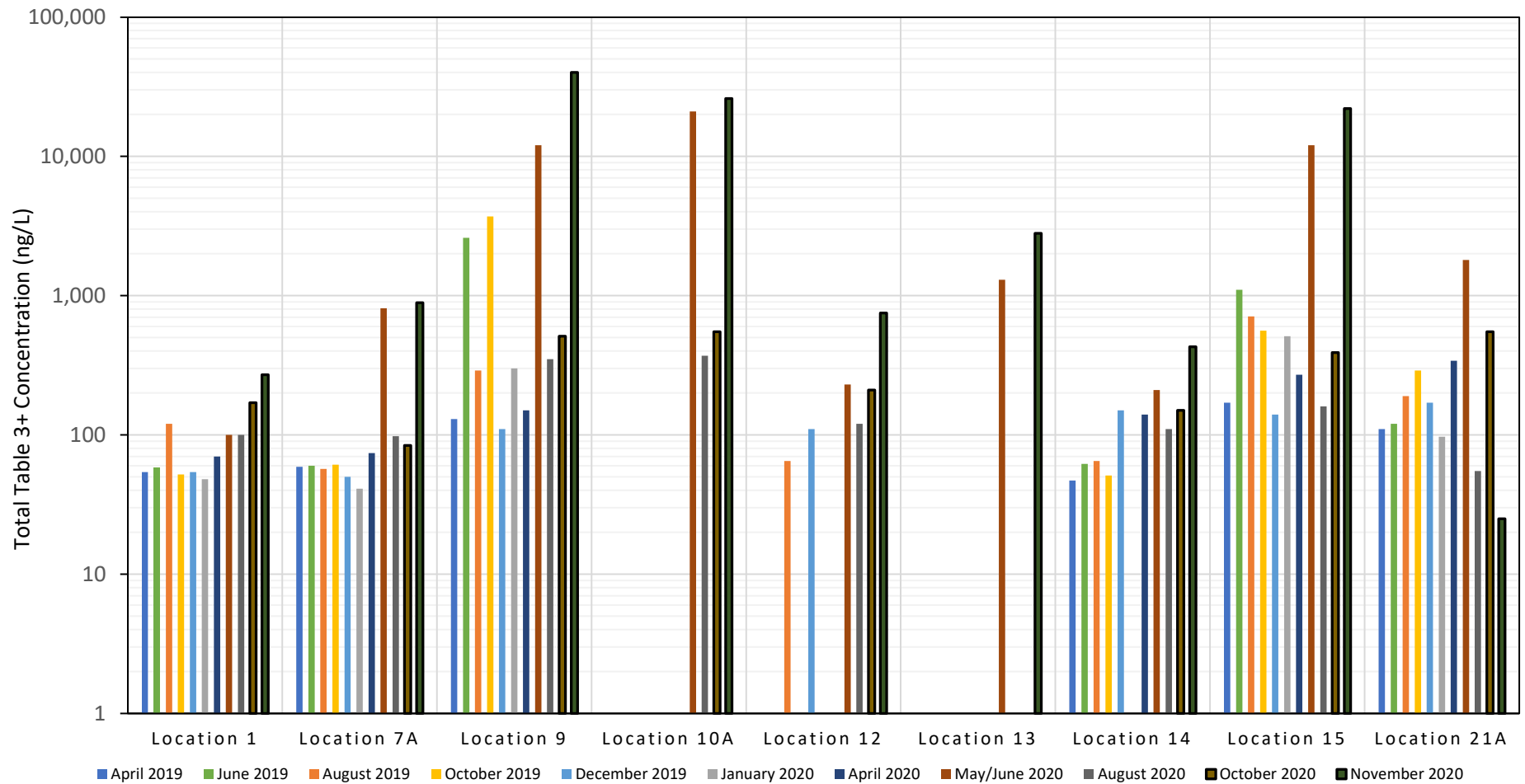
Total Table 3+ Concentrations Non-Contact Cooling Water		Figure 3B
Chemours Fayetteville Works, North Carolina		
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	Figure 3B
Raleigh	May 2021	



Notes:


- 1. ng/L - nanograms per liter
 - 2. Total Table 3+ 17 compound sums presented.
 - 3. Location 1 represents background concentrations. Other locations represent stormwater only. See Figure 2 in main report for sample locations.
 - 4. November 2020 results presented are outlined in black to indicate samples were collected after the 18-month Initial Characterization Period.
- Location 1 - Intake River Water at Facility
 Location 2 - Kuraray southern leased area stormwater
 Location 3 - Chemours Polymer Processing Aid (PPA) area stormwater discharge
 Location 4 - Combined stormwater from Kuraray northern leased area and Chemours PPA area
 Location 5 - Kuraray southern leased area stormwater
 Location 10 - Chemours Monomers Ion Exchange Materials (IXM) area stormwater discharge
 Location 11 - Stormwater discharge from portion of grassy field to north of decommissioned Chemours Teflon area

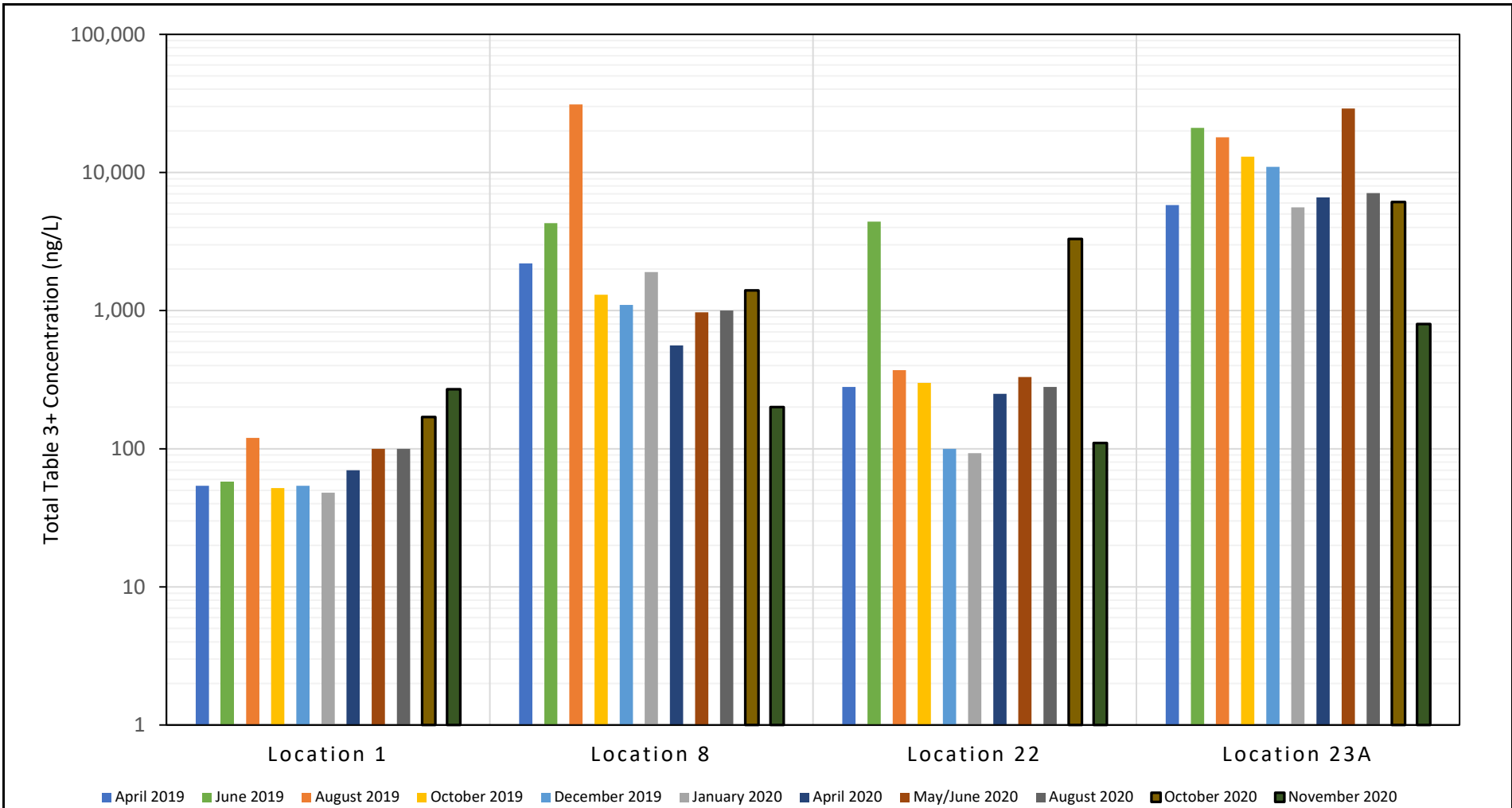
Total Table 3+ Concentrations Stormwater		Figure 3C
Chemours Fayetteville Works, North Carolina		
Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295		
Raleigh	May 2021	



Notes:

- 1. ng/L - nanograms per liter
 - 2. Total Table 3+ 17 compound sums presented.
 - 3. Location 1 represents background concentrations. Other locations represent both stormwater and non-process wastewater from throughout the Facility. See Figure 2 in main report for sample locations.
 - 4. October 2020 and November 2020 results presented are outlined in black to indicate samples were collected after the 18-month Initial Characterization Period.
- Location 1 - Intake River Water at Facility
 Location 7A - Combined stormwater and non-process wastewater discharge from western portion of the Facility
 Location 9 - Combined non-process wastewater from Chemours Monomers Ion Exchange Materials (IXM) area and stormwater discharge from Vinyl Ethers South and Vinyl Ethers North
 Location 10A - Combined Chemours Monomers IXM non-process wastewater and stormwater discharge
 Location 12 - DuPont area southern drainage ditch stormwater discharge and NCCW
 Location 13 - DuPont area northern drainage ditch stormwater discharge and NCCW
 Location 14 - DuPont area southeast stormwater and NCCW discharge
 Location 15 - Combined stormwater and NCCW discharge from eastern portion of the Facility
 Location 21A - Sediment Basin South

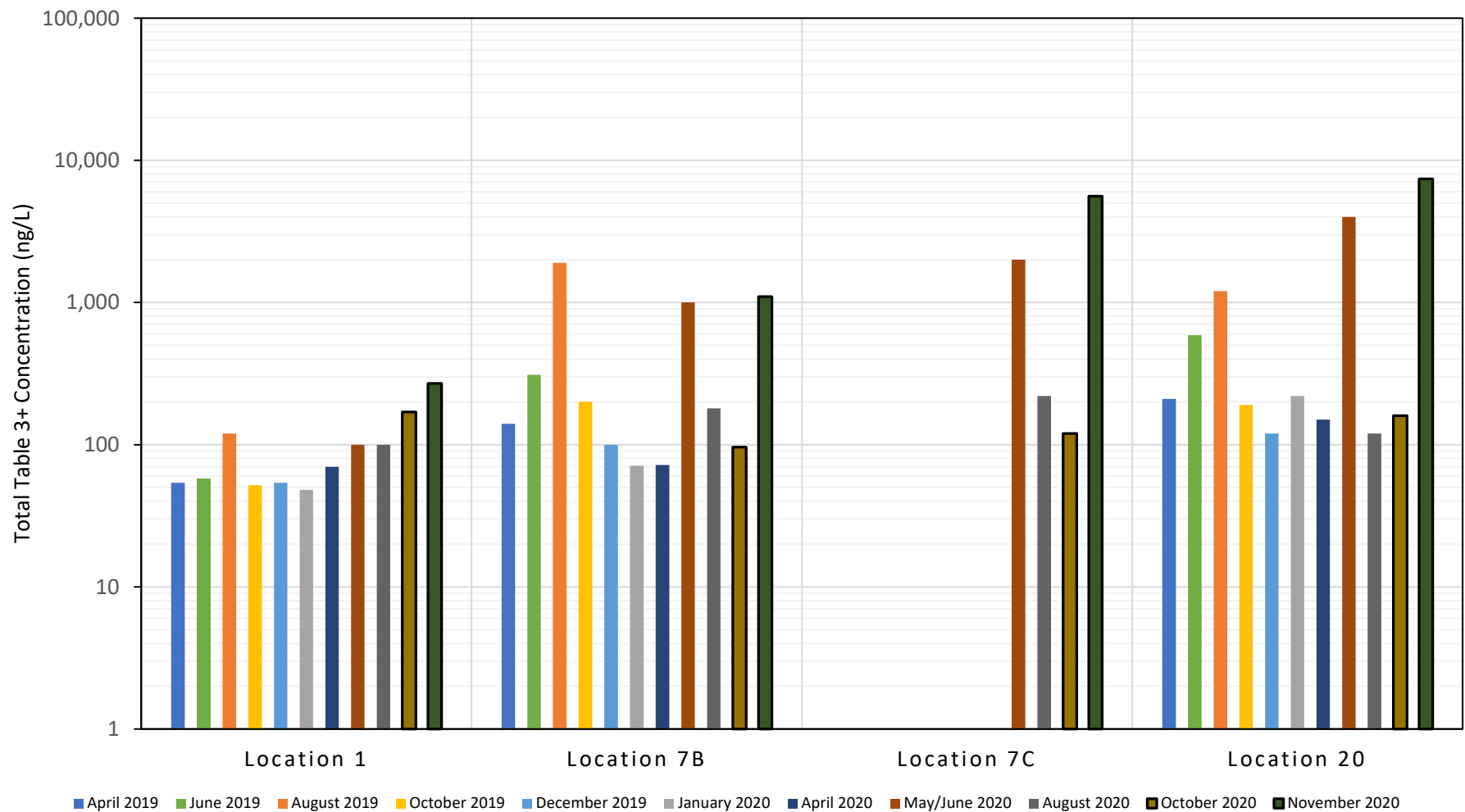
Total Table 3+ Concentrations Stormwater-Non-Contact Cooling Water Chemours Fayetteville Works, North Carolina	
	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh	May 2021
Figure 3D	



Notes:

1. ng/L - nanograms per liter
 2. Total Table 3+ 17 compound sums presented.
 3. Location 1 represents background concentrations. Other locations represent process wastewater from non-Chemours manufacturing areas and non-process wastewater from throughout the Facility. See Figure 2 in main report for sample locations.
 4. May/June 2020 value for Location 8 based on sample collected during dry weather in June 2020.
 5. October 2020 and November 2020 results presented are outlined in black to indicate samples were collected after the 18-month Initial Characterization Period.
- Location 1 - Intake River Water at Facility
 Location 8 - Wastewater Treatment Plant (WWTP) Effluent
 Location 22 - WWTP Influent
 Location 23A - Terracotta Pipe

Total Table 3+ Concentrations Wastewater Treatment Plant Chemours Fayetteville Works, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh	May 2021
Figure 3E	



Notes:

1. ng/L - nanograms per liter
2. Total Table 3+ 17 compound sums presented.
3. Location 1 represents background concentrations. Other locations represent process wastewater, non-process wastewater, and stormwater from throughout the Facility. See Figure 2 in main report for sample locations.
4. October 2020 and November 2020 results presented are outlined in black to indicate samples were collected after the 18-month Initial Characterization Period.

Location 1 - Intake River Water at Facility

Location 7B - Combined stormwater and non-process wastewater from western portion of the Facility and treated discharge from the wastewater treatment plant (WWTP)

Location 7C - Combined stormwater and non-process wastewater from western portion of the Facility, the eastern portion of the Facility, and the DuPont Area, and treated discharge from WWTP

Location 20 - Outfall 002

<p>Total Table 3+ Concentrations Combined Flows to Outfall 002 Chemours Fayetteville Works, North Carolina</p>	
<p>Geosyntec consultants</p>	<p>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</p>
Raleigh	May 2021
<p>Figure 3F</p>	

ATTACHMENT A

Laboratory Reports and DVM Workbooks

*Laboratory reports are provided to NCDEQ
via the Shared OneDrive Folder*

ADQM Data Review

Site: Chemours Fayetteville

Project: Stormwater Sampling 10/20

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
STW-LOC-7A-4-100720	320-65443-1	Surface Water	N	10/07/2020	14:40	FS
STW-LOC-7B-4-100720	320-65443-2	Surface Water	N	10/07/2020	14:52	FS
STW-LOC-15-4-100720	320-65443-3	Surface Water	N	10/07/2020	14:57	FS
STW-LOC-7C-4-100720	320-65443-4	Surface Water	N	10/07/2020	15:09	FS
STW-LOC-20-4-100720	320-65443-5	Surface Water	N	10/07/2020	15:14	FS
STW-LOC-14-4-100720	320-65443-6	Surface Water	N	10/07/2020	17:09	FS
STW-LOC-12-4-100720	320-65443-7	Surface Water	N	10/07/2020	16:56	FS
STW-LOC-9-4-100720	320-65447-1	Surface Water	N	10/07/2020	16:20	FS
STW-LOC-22-4-100720	320-65447-2	Surface Water	N	10/07/2020	15:42	FS
STW-LOC-18-4-100720	320-65447-3	Surface Water	N	10/07/2020	16:01	FS
STW-LOC-23A-4-100720	320-65447-4	Surface Water	N	10/07/2020	16:10	FS
STW-EB-100720	320-65447-5	Blank Water	N	10/07/2020	11:25	EB
STW-TB-100720	320-65447-6	Blank Water	N	10/07/2020	11:30	TB
STW-FB-100720	320-65447-7	Blank Water	N	10/07/2020	11:20	FB
STW-LOC-23B-100720	320-65449-1	Surface Water	N	10/07/2020	11:40	FS
STW-LOC-23B-100720-DUP	320-65449-2	Surface Water	N	10/07/2020	11:40	DUP
STW-LOC-19A-100720	320-65449-3	Surface Water	N	10/07/2020	12:15	FS
STW-LOC-19B-100720	320-65449-4	Surface Water	N	10/07/2020	12:20	FS
STW-LOC-21A-100720	320-65449-5	Surface Water	N	10/07/2020	12:40	FS
STW-LOC-24A-100720	320-65455-1	Surface Water	N	10/07/2020	13:05	FS
STW-LOC-24C-100720	320-65455-2	Surface Water	N	10/07/2020	13:15	FS
STW-LOC-6A-100720	320-65455-3	Surface Water	N	10/07/2020	13:45	FS
STW-LOC-6B-100720	320-65455-4	Surface Water	N	10/07/2020	13:40	FS
STW-LOC-1-4-100720	320-65455-5	Surface Water	N	10/07/2020	16:07	FS
STW-LOC-8-4-100720	320-65455-6	Surface Water	N	10/07/2020	15:23	FS
STW-LOC-10A-4-100720	320-65455-7	Surface Water	N	10/07/2020	16:14	FS
STW-LOC-10A-4-100720-D	320-65455-8	Surface Water	N	10/07/2020	16:14	DUP

* FS=Field Sample
 DUP=Field Duplicate
 FB=Field Blank
 EB=Equipment Blank
 TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
TAL – Sacramento	537 Modified	36 compounds including PFOA and HFPO-DA
TAL – Sacramento	Cl. Spec. Table 3 Compound SOP	19 compounds

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?			X		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier**.

If the data has been validated by a third party, the field "**Validated By**" will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report**Site:** Fayetteville**Sampling Program:** Stormwater Sampling 10/20**Validation Options:** LABSTATS**Validation Reason**

Only one surrogate has relative percent recovery (RPR) values outside control limits and the parameter is a PFC (Nondetects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-18-4-100720	10/07/2020	320-65447-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-18-4-100720	10/07/2020	320-65447-3	Perfluorohexadecanoic acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-19B-100720	10/07/2020	320-65449-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-19B-100720	10/07/2020	320-65449-4	Perfluorohexadecanoic acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-22-4-100720	10/07/2020	320-65447-2	Perfluorooctadecanoic acid	0.0094	ug/L	PQL		0.0094	UJ	537 Modified		3535_PFC
STW-LOC-22-4-100720	10/07/2020	320-65447-2	Perfluorobutanoic Acid	0.024	UG/L	PQL		0.024	UJ	537 Modified		3535_PFC
STW-LOC-22-4-100720	10/07/2020	320-65447-2	Perfluorohexadecanoic acid (PFHxDA)	0.0089	ug/L	PQL		0.0089	UJ	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: Stormwater Sampling 10/20

Validation Options: LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	Perfluorododecane sulfonic acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-23B-100720	10/07/2020	320-65449-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-23B-100720	10/07/2020	320-65449-1	Perfluorododecane sulfonic acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: Stormwater Sampling 10/20

Validation Options: LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	R-PSDA	0.17	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	R-PSDA	0.16	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	Hydrolyzed PSDA	0.37	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	Hydrolyzed PSDA	0.36	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	R-EVE	0.036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-10A-4-100720	10/07/2020	320-65455-7	R-EVE	0.035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville**Sampling Program:** Stormwater Sampling 10/20**Validation Options:** LABSTATS**Validation Reason** High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-23B-100720	10/07/2020	320-65449-1	PFMOAA	0.0075	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville**Sampling Program:** Stormwater Sampling 10/20**Validation Options:** LABSTATS**Validation Reason** Only one surrogate has relative percent recovery (RPR) values outside control limits and the parameter is a PFC (Detects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-18-4-100720	10/07/2020	320-65447-3	Perfluorobutanoic Acid	0.0070	UG/L	PQL		0.0050	J	537 Modified		3535_PFC

Site: Fayetteville**Sampling Program:** Stormwater Sampling 10/20**Validation Options:** LABSTATS**Validation Reason**

Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date	Sampled Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-23B-100720	10/07/2020	320-65449-1	PFMOAA	0.0081	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep



ADQM Data Review

Site: Chemours Fayetteville

Project: <Stormwater Sampling 11/20

Project Reviewer: Brandon Cordova



Program Sample List

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Collection Date	Sample Collection Time	Sample Purpose
STW-LOC-1-8-111120	320-66744-1	Surface Water	N	11/11/2020	20:04	FS
STW-LOC-2-4-111120	320-66744-2	Surface Water	N	11/11/2020	20:21	FS
STW-LOC-3-8-111120	320-66744-3	Surface Water	N	11/11/2020	20:25	FS
STW-LOC-4-8-111120	320-66744-4	Surface Water	N	11/11/2020	20:16	FS
STW-LOC-5-4.6-111120	320-66744-5	Surface Water	N	11/11/2020	20:10	FS
STW-LOC-TB-111120	320-66744-6	Blank Water	N	11/11/2020	17:00	TB
STW-LOC-9-8-111120	320-66746-1	Surface Water	N	11/11/2020	19:54	FS
STW-LOC-9-8-111120-D	320-66746-2	Surface Water	N	11/11/2020	19:54	DUP
STW-LOC-FB-111220	320-66746-3	Blank Water	N	11/12/2020	13:35	FB
STW-LOC-EB-111220	320-66746-4	Blank Water	N	11/12/2020	13:25	EB
STW-LOC-10-8-111120	320-66747-1	Surface Water	N	11/11/2020	17:11	FS
STW-LOC-10A-8-111120	320-66747-2	Surface Water	N	11/11/2020	19:17	FS
STW-LOC-14-2.6-111120	320-66747-3	Surface Water	N	11/11/2020	18:55	FS
STW-LOC-15-8-111120	320-66747-4	Surface Water	N	11/11/2020	19:57	FS
STW-LOC-20-8-111120	320-66747-5	Surface Water	N	11/11/2020	19:33	FS
STW-LOC-7A-8-111120	320-66748-1	Surface Water	N	11/11/2020	19:28	FS
STW-LOC-7B-8-111120	320-66748-2	Surface Water	N	11/11/2020	19:29	FS
STW-LOC-7C-8-111120	320-66748-3	Surface Water	N	11/11/2020	19:04	FS
STW-LOC-11-7.3-111120	320-66748-4	Surface Water	N	11/11/2020	20:00	FS
STW-LOC-12-8-111120	320-66748-5	Surface Water	N	11/11/2020	19:05	FS
STW-LOC-13-3.3-111120	320-66748-6	Surface Water	N	11/11/2020	14:24	FS
STW-LOC-24A-111620	320-66908-1	Surface Water	N	11/16/2020	11:50	FS
STW-LOC-21A-111620	320-66908-10	Surface Water	N	11/16/2020	13:40	FS
STW-LOC-23B-111620	320-66908-11	Surface Water	N	11/16/2020	14:50	FS



STW-LOC-24B-111620	320-66908-12	Surface Water	N	11/16/2020	12:40	FS
STW-LOC-22-4-111620	320-66908-13	Surface Water	N	11/16/2020	17:06	FS
STW-LOC-23A-2-111620	320-66908-14	Surface Water	N	11/16/2020	16:11	FS
STW-FB-111620	320-66908-15	Blank Water	N	11/16/2020	11:40	FB
STW-EB-DR-111620	320-66908-16	Blank Water	N	11/16/2020	16:00	EB
STW-EB-IS-111620	320-66908-17	Blank Water	N	11/16/2020	16:05	EB
STW-TB-111620	320-66908-18	Blank Water	N	11/17/2020	17:00	TB
STW-LOC-24A-111620-D	320-66908-2	Surface Water	N	11/16/2020	11:50	DUP
STW-LOC-24C-111620	320-66908-3	Surface Water	N	11/16/2020	12:30	FS
STW-LOC-8-3.6-111620	320-66908-4	Surface Water	N	11/16/2020	17:28	FS
STW-LOC-18-4-111620	320-66908-5	Surface Water	N	11/16/2020	16:36	FS
STW-LOC-6A-111620	320-66908-6	Surface Water	N	11/16/2020	15:45	FS
STW-LOC-6B-111620	320-66908-7	Surface Water	N	11/16/2020	15:10	FS
STW-LOC-19A-111620	320-66908-8	Surface Water	N	11/16/2020	14:10	FS
STW-LOC-19B-111620	320-66908-9	Surface Water	N	11/16/2020	14:15	FS

Key:

FS=Field Sample
 DUP=Field Duplicate
 FB=Field Blank
 EB=Equipment Blank
 TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
Eurofins TestAmerica, Sacramento	537 Modified	10:2 Fluorotelomer sulfonate
Eurofins TestAmerica, Sacramento	537 Modified	11CI-PF3OUdS
Eurofins TestAmerica, Sacramento	537 Modified	1H,1H,2H,2H- perfluorodecanesulfonate (8:2 FTS)
Eurofins TestAmerica, Sacramento	537 Modified	1H,1H,2H,2H- perfluorohexanesulfonate (4:2 FTS)
Eurofins TestAmerica, Sacramento	537 Modified	2-(N-ethyl perfluoro-1- octanesulfonamido)-ethanol
Eurofins TestAmerica, Sacramento	537 Modified	2-(N-methyl perfluoro-1- octanesulfonamido)-ethanol
Eurofins TestAmerica, Sacramento	537 Modified	4:2 FTS (trial)
Eurofins TestAmerica, Sacramento	537 Modified	6:2 Fluorotelomer sulfonate
Eurofins TestAmerica, Sacramento	537 Modified	9CI-PF3ONS
Eurofins TestAmerica, Sacramento	537 Modified	DONA
Eurofins TestAmerica, Sacramento	537 Modified	Hfpo Dimer Acid
Eurofins TestAmerica, Sacramento	537 Modified	N-ethyl perfluorooctane sulfonamidoacetic acid
Eurofins TestAmerica, Sacramento	537 Modified	N-ethylperfluoro-1- octanesulfonamide
Eurofins TestAmerica, Sacramento	537 Modified	N-methyl perfluoro-1- octanesulfonamide
Eurofins TestAmerica, Sacramento	537 Modified	N-methyl perfluorooctane sulfonamidoacetic acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorobutane Sulfonic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorobutanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorodecane Sulfonic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorodecanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorododecane sulfonic acid (PFDoS)
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorododecanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluoroheptane sulfonic acid (PFHpS)



Eurofins TestAmerica, Sacramento	537 Modified	Perfluoroheptanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorohexadecanoic acid (PFHxDA)
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorohexane Sulfonic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorohexanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorononanesulfonic acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorononanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorooctadecanoic acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorooctane Sulfonamide
Eurofins TestAmerica, Sacramento	537 Modified	Perfluoropentane sulfonic acid (PFPeS)
Eurofins TestAmerica, Sacramento	537 Modified	Perfluoropentanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorotetradecanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluorotridecanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	Perfluoroundecanoic Acid
Eurofins TestAmerica, Sacramento	537 Modified	PFOA
Eurofins TestAmerica, Sacramento	537 Modified	PFOS
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	EVE Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-EVE Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-PS Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydrolyzed PSDA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	NVHOS, Acid Form
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PEPA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PES
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA B
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA-G
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFMOAA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO2HxA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO3OA



Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO4DA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO5DA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PMPA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PS Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-EVE
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDCA



ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?			X		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description					
<p>Other QA/QC Items to Note: The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive</p>						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.



Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier**.

If the data has been validated by a third party, the field "**Validated By**" will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville

Sampling Program: STORMWATER SAMPLING 11/20

Validation Options: LABSTATS

Validation Reason

Only one surrogate has relative percent recovery (RPR) values outside control limits and the parameter is a PFC (Nondetects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-19A-111620	11/16/2020	320-66908-8	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-19A-111620	11/16/2020	320-66908-8	Perfluorohexadecanoic acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-22-4-111620	11/16/2020	320-66908-13	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-22-4-111620	11/16/2020	320-66908-13	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
STW-LOC-22-4-111620	11/16/2020	320-66908-13	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-22-4-111620	11/16/2020	320-66908-13	Perfluorohexadecanoic acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-24A-111620-D	11/16/2020	320-66908-2	Perfluorohexadecanoic acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-6B-111620	11/16/2020	320-66908-7	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-6B-111620	11/16/2020	320-66908-7	Perfluorohexadecanoic acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
STW-LOC-24A-111620-D	11/16/2020	320-66908-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: Stormwater Sampling 11/20

Validation Options: LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-24A-111620	11/16/2020	320-66908-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-24A-111620	11/16/2020	320-66908-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-24A-111620	11/16/2020	320-66908-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-24A-111620	11/16/2020	320-66908-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-24A-111620	11/16/2020	320-66908-1	Perfluorododecane sulfonic acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: Stormwater Sampling 11/20

Validation Options: LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-24A-111620-D	11/16/2020	320-66908-2	PFOS	0.0065	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
STW-LOC-9-8-111120	11/11/2020	320-66746-1	PES	0.011	UG/L	PQL		0.0034	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-9-8-111120	11/11/2020	320-66746-1	PES	0.014	UG/L	PQL		0.0034	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-9-8-111120	11/11/2020	320-66746-1	PFOS	0.0080	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
STW-LOC-9-8-111120-D	11/11/2020	320-66746-2	PES	0.0088	UG/L	PQL		0.0034	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-9-8-111120-D	11/11/2020	320-66746-2	PFOS	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
STW-LOC-24A-111620	11/16/2020	320-66908-1	PFOS	0.0094	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: STORMWATER SAMPLING 11/20

Validation Options: LABSTATS

Validation Reason High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-7C-8-111120	11/11/2020	320-66748-3	PFO5DA	0.26	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-11-7.3-111120	11/11/2020	320-66748-4	PFO5DA	0.056	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-12-8-111120	11/11/2020	320-66748-5	PFO5DA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-13-3.3-111120	11/11/2020	320-66748-6	PFO5DA	0.047	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville**Sampling Program:** STORMWATER SAMPLING 11/20**Validation Options:** LABSTATS**Validation Reason**

Only one surrogate has relative percent recovery (RPR) values outside control limits and the parameter is a PFC (Detects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-18-4-111620	11/16/2020	320-66908-5	6:2 Fluorotelomer sulfonate	0.0058	ug/L	PQL		0.0050	J	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: Stormwater Sampling 11/20

Validation Options: LABSTATS

Validation Reason Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
STW-LOC-24A-111620	11/16/2020 320-66908-1	PFOS (trial)	0.0062	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
STW-LOC-9-8-111120	11/11/2020 320-66746-1	PFO4DA	4.4	ug/L	PQL		0.030	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
STW-LOC-9-8-111120	11/11/2020 320-66746-1	PFO4DA	5.0	ug/L	PQL		0.030	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep