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Phase II Environmental Site Assessment

Coventry Commons
130-132 Harrison Street
Newark, New York

Prepared for:
Housing Visions
1201 East Fayette Street
Syracuse, New York 13210

November 2024
C&S Project#: W96.007.004

Phase II
Environmental Site Assessment

Coventry Commons
130-132 Harrison Street Newark
New York

Prepared for:
Housing Visions
1201 East Fayette Street
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Prepared by:
C & S Companies, Inc.
499 Col. Eileen Collins Boulevard
Syracuse, New York 13212

To the best of our professional knowledge and belief, the undersigned meet the definition of "environmental professional" as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the Site. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Matt Walker
Sr. Project Environmental Scientist II

Daniel E. Riker, P.G.
Environmental Group Manager

November 2024
C&S Project#: W96.007.004

FIGURES

DATA SUMMARY TABLES

APPENDICES

Acronym List

ASP	Analytical Services Protocol
BCP	Brownfield Cleanup Program
BGS	Below Ground Surface
CIS-1,2-DCE	Cis-1,2-dichloroethene
CVOC	Chlorinated Volatile Organic Compound
ELAP	Environmental Laboratory Accreditation Program
ESA	Environmental Site Assessment
HASP	Health and Safety Plan
MSL	Mean Sea Level
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic Aromatic Hydrocarbons
PPM	Parts per Million
PCB	Polychlorinated Biphenyl
PID	Photo-ionization Detector
PCE	Tetrachloroethylene
PVC	Poly Vinyl Chloride
QA/QC	Quality Assurance / Quality Control
REC	Recognized Environmental Condition
SCG	Standards, Criteria, Guidance
SCO	Soil Cleanup Objective
SITE	Coventry Commons, 130-132 Harrison Street, Newark, NY
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
USGS	United States Geologic Service
UST	Underground Storage Tank
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

At the request of Housing Visions, C&S Engineers, Inc. (C&S) has prepared this Phase II Environmental Site Assessment (Phase II or Investigation) Report for Coventry Commons located at 130-132 Harrison Street, Newark, New York (Site). The scope of services for the Phase II was based on our proposal dated August 14, 2024. The location of the Site is shown on **Figure 1**.

C&S completed a Phase I Environmental Site Assessment (Phase I ESA) in November 2024. C&S reviewed industry standard documents, such as the *USEPA Interim Guidance on the Destruction and Disposal of Perfluoroalkyl and Polyfluoroalkyl Substances and Materials Containing Perfluoroalkyl and Polyfluoroalkyl Substances*. Based on the historical uses at the Site, it was determined that per- and polyfluoroalkyl substances (PFAS) could be an issue because metal plating and cosmetics manufacturing are considered secondary industries that are known to have used PFAS in their operation. Per the guidance document, PFAS releases are possible at any stage of the industrial processes.

C&S designed a Phase II that focused on the areas of the Site that were most likely to have been impacted by the use or release of PFAS. Efforts were generally focused to the rear of the building (north) where the loading docks and former wastewater treatment facilities were located. The effort was not intended to be a full site characterization to delineate the horizontal and vertical extent of contaminants.

The scope of the Phase II ESA included the advancement of six soil borings and three temporary groundwater monitoring wells, and the collection and analysis of six soil samples and three groundwater samples for PFAS. The sampling locations are shown on **Figure 2**.

C&S' Investigation of the Site was conducted on September 19, 2024. The following summarizes and discusses the results of this Investigation.

The upper five feet of soil from each boring was analyzed for PFAS. The analytical results were compared to the guidance values provided in *Sampling,* Analysis, and Assessment of Per- and Polyfluoroalkyl Substances *(PFAS) Under NYSDEC's Remedial Programs*. The document provides guidance values for two PFAS compounds: (Perfluorooctanesulfonic Acid) PFOS and (Perfluorooctanoic Acid) PFOA. The majority of the PFAS compound concentrations were below laboratory detection limits. The concentration of PFOS in the sample from SB-206 (0'-5') was 0.00293 parts per million (ppm), which exceeded the Unrestricted Use SCO of 0.00088 ppm, but is below the Restricted Residential Use SCO of 0.044 ppm. There were no guidance value exceedances in the other five samples. The results show compliance with the guidance values intended for a site with a multi-family apartment.

Each of the three monitoring wells was also sampled for PFAS and the analytical results were also compared to the NYSDEC PFAS guidance document. PFOS and PFOA concentrations were below guidance values in the sample from MW-201. PFOS in MW-202 and MW-203 ranged from 0.0275 to 0.035 micrograms per cubic liter (ug/L), as compared to a guidance value of 0.0027 ug/L. PFOA in MW-202 and MW-203 ranged from 0.0239 to 0.0448 ug/L, compared to a guidance value of 0.0067 ug/L. MW-202 is located to the north of the building on the anticipated downgradient side of the Site, while MW-203 is located to the south of the building on the anticipated upgradient side of the Site. Although concentrations at these two locations exceed the current guidance values, the concentrations are not indicative of a groundwater source in the immediate area.

1. Introduction

At the request of Housing Visions, C&S Engineers, Inc. (C&S) has prepared this Phase II Environmental Site Assessment (Phase II or Investigation) Report for Coventry Commons located at 130-132 Harrison Street, Newark, New York (Site). The scope of services for the Phase II was based on our August 14, 2024 proposal. The location of the Site is shown on **Figure 1**. The investigation was performed generally consistent with *American Society of Testing and Materials (ASTM) E 1903-19 Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, unless noted otherwise in this report.

1.1. Purpose of Investigation

As indicated in the Standard, there are a wide variety of reasons to perform a Phase II Investigation:

- Assess whether there has been a release of a hazardous substance applicable to CERCLA for purposes including landowner liability protections (innocent landowner, bonafide prospective purchaser, or contiguous property owner);
- Provide information relevant to identifying, defining, or implementing landowner continuing obligations;
- Develop threshold knowledge of the presence of substances within the scope of CERCLA to qualify as a Brownfield;
- Evaluate Recognized Environmental Conditions from a Phase I Environmental Site Assessment (ESA).
    - C&S' Phase I ESA, dated November 2024, identified per- and polyfluoroalkyl substances (PFAS) as a potential concern due to previous operations involving machining, tinware manufacturing, cosmetics manufacturing, and jewelry manufacturing.
- Provide information relative to identifying, defining, and evaluating conditions that could lead to environmental or human health hazards;
- Provide information relative to evaluating business environmental risk; and
- Provide information to support disclosure of liabilities for financial statements and reporting.

1.2. Scope of Work

The investigation was performed generally consistent with American Society of Testing and Materials (ASTM) *Standard Practice E 1903-19 - Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, unless noted otherwise in **Section 1.3** of this report. The scope of services for this Investigation included the following tasks:

- Review of historical environmental reports / documentation;
- Subsurface investigation of the geologic and hydrogeologic conditions of the Site;
- Collection and laboratory analytical testing of soil and groundwater samples;
- Evaluation of the findings of the investigation and analytical testing; and
- Discussion of the potential impact of the observed conditions on the Site and recommendation of further actions.

This Investigation was intended to provide further information on the Site's environmental condition to render a professional opinion on the suspected presence or absence of petroleum or chemical impacts from the historical use and RECs associated with the Site.

1.3. Limitations and Exceptions

C&S has performed this investigation consistent with the contract scope of services, using reasonable efforts to identify areas of potential liability associated with environmental concerns identified at the Site. As detailed in our scope of services, this Investigation focused solely on assessing the Site for PFAS and the activities focused on the areas of the Site most likely to be impacted, if PFAS substances were historically utilized at the Site.

This investigation was performed in accordance with the generally accepted practices of other consultants undertaking similar studies in the same geographical area. C&S has exercised the same care and skill generally exercised by other consultants in similar circumstances and conditions. Our findings and conclusions must not be considered scientific certainties, but rather as our professional opinion concerning the significance of the limited sampling and data gathered during the course of the Limited Phase II Environmental Site Assessment. No expressed or implied warranty is made. Specifically, C&S cannot represent that the site contains no hazardous material, oil, or other latent condition beyond that investigated/sampled by C&S at the time of subsurface site investigation.

No environmental site investigation can wholly eliminate uncertainty regarding the potential nature and extent of the identified environmental concern(s) in connection with a property. Even when an Investigation is executed competently and consistent with the ASTM Standard, it must be recognized that certain conditions present especially difficult target analyte detection problems. Such conditions may include, but are not limited to, complex geological settings, unusual or generally poorly understood behavior and fate characteristics of certain substances, complex, discontinuous, random, dynamic, or spotty distributions of target analytes, physical impediments to investigation imposed by the location of utilities and other man-made objects, and the inherent limitations of assessment technologies.

Similar to a Phase I ESA, there is a point at which the cost of the information obtained or the time required to gather it outweighs the usefulness of the information and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly completion of business. If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable, in relation to the objectives of the assessment.

1.4. Special Terms and Conditions

This Limited Phase II ESA report has been prepared on behalf and for the exclusive use of Housing Visions. This report and its findings shall not, in whole or in part, be provided to or used by any other party without prior written consent of Housing Visions and C&S.

2. Site Description

The following sections include a description of the location, site characteristics, and land use of the Site and the surrounding area.

2.1. Site and Surrounding Characteristics

The Site is approximately 5.2 acres, identified as tax parcel 68111-18-416166, and is reportedly owned by Graybill Real Estate LLC. The property is located at 130-132 Harrison Street, Newark, New York.

The table below describes the properties / features / roads immediately surrounding the Site.

Direction	Features
North	Auto Repair Business, Residential
South	Blackmar Street, Residential
East	Harrison Street, Commercial
West	Commercial

A Site location map is attached as **Figure 1**.

2.2. Current Property Use

The Site consists of a 112,676 square-foot three-story building in the center of the property (e.g. the Main Building). There is an adjoining 39,576 square-foot single-story warehouse on the east side of the Main Building and a 5,280 square-foot two-story annex building on the south side of the property. There are asphalt parking lots to the north, south, and east of the main building and minimal greenspace on the north and south sides of the Site. The topography of the Site is generally flat.

2.3. Site History and Contamination Concerns

In August 2024, C&S completed a Phase I Environmental Site Assessment (Phase I ESA) of the Site. During the completion of the assessment, an effort was made to identify known sources of PFAS on or in the vicinity of the Site. PFAS are a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. Fluoropolymer coatings are blends of resins and lubricants used in a wide variety of products such as water-repellent clothing and furniture, plating solutions, adhesives, paint and varnish, food packaging, heat-resistant non-stick cooking surfaces, electrical wire insulation, and several other uses.

The assessment was based upon common industry knowledge at the time the assessment was completed, as well as the USEPA document *Interim Guidance on the Destruction and Disposal of Perfluoroalkyl and Polyfluoroalkyl Substances and Materials Containing Perfluoroalkyl and Polyfluoroalkyl Substances*. Based on the historical uses at the Site, PFAS was a potential issue because metal plating and cosmetics manufacturing are considered secondary industries that are known to have used PFAS in their operation. Per the guidance document, PFAS releases are possible at any stage of the industrial processes.

Due to the listing of plating and cosmetics manufacturing as potential sources of PFAS contamination and a lack of information regarding historical operations on the Site, PFAS was considered a Recognized Environmental Condition.

Based on the above, further evaluation of the REC was recommended. Due to the historical land uses, samples collected as part of this Investigation were analyzed for PFAS. A copy of the Phase I Report can be obtained from this link: Coventry Commons Phase I ESA - 10-22-24.pdf.

2.4. Site Surface Soil Condition

According to the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil Survey, the soil present beneath the Site is characterized as Phelps gravelly loam (0 to 3 percent slopes) in the southern portion and Palmyra gravelly loam (3 to 8 percent slopes) in the northern portion. Based on this and previous investigations, those soils are brown / gray / tan in color and are principally silty sands with gravel. Urban Land is also present and contains historic fill material (HFM). HFM is non-native material, deposited on a site to create useable land, and generally was contaminated prior to emplacement. The HFM includes brick, ash, cinder, and coal.

2.5. Site Geological Conditions

Bedrock geologic information was obtained from the Geologic Map of New York-Finger Lakes Sheet (1970, Lawrence V. Rickard and Donald W. Fisher). The bedrock beneath the site is mapped as Camillus and Syracuse Formations of the Upper Silurian period. The primary rock type is shale.

2.6. Surface Water and Groundwater Conditions

The Site is located approximately 500 feet north of the Erie Canal and 1,000 feet southwest of an unnamed creek. Based on the interpretation of the USGS Topographic Map, groundwater in the area is assumed to move generally to the northeast towards the unnamed creek. Based on this and previous investigations, the depth to groundwater is approximately 13 to 15 feet below grade. Groundwater flow specific to the Site has not been determined and may be different from the regional flow. Potential influences

include local drainage features, seasonal groundwater level fluctuations, subsurface geology, surface topography, and / or other local site features.

Drinking water is provided by the City of Newark, which is sourced from Canandaigua Lake. Before distribution, the water is filtered by slow sand filtration, diatomaceous earth pressure filtration and vacuum filtration, and sodium hypochlorite is added for disinfection. The most recent report shows compliance with applicable standards.

There are no mapped wetlands located on the Site.

The Site is not shown on FEMA mapping as located in a flood zone.

3. Phase II Environmental Site Assessment Methodologies

C&S conducted field activities for the Phase II ESA on September 19, 2024.

3.1. Investigation Scope and Objectives

The Phase II ESA subsurface investigation consisted of the following tasks:

- Prior to initiating subsurface investigation activities, C&S' drilling subcontractor, Matrix Environmental Technologies (Matrix) notified UDig New York to arrange for identification and marking of buried public utilities at the Site. C&S endeavored to maintain a minimum setback of at least three feet from utilities during our investigation.

- The advancement of six soil borings (identified as SB-201 through SB-206). The borings were advanced at locations expected to be the most likely to be impacted if PFAS was historically utilized or released on the Site. Efforts were generally focused to the rear of the building (north) where the loading docks and former wastewater treatment facilities were located. The approximate locations of the soil borings are depicted on **Figure 2.** The result of the analytical testing is provided in Section 4.4.

- The construction of three temporary groundwater monitoring wells (identified as MW-201 through MW-203). Similar to the soil borings, the wells were positioned at locations expected to be the most likely to be impacted if PFAS was historically utilized or released on the Site. The approximate locations of the temporary groundwater monitoring wells are depicted on **Figure 2**. The result of the analytical testing is provided in Section 4.4.

3.2. Site Investigation Methods

The methodologies used during the completion of the Limited Phase II ESA are outlined below.

3.2.1. Decontamination Methods

The typical decontamination system to remove contaminants and debris from non-disposable field equipment is gross contamination removal followed by a "three-station decon". The gross contamination removal consisted of using tools or gloved hand to removal heavy amounts of soiling. The three-station decon was comprised of three 5-gallon buckets that are brought to the site pre-cleaned. The stations consist of:

Initial Pre-Rinse → Alconox® Soap Cleaning → Final Rinse

Electronic field meters and equipment were wiped down with a damp towel or cloth to remove loose and caked soil or contaminants. In the case of a PID, it was ensured that the inlet was free of debris that could cause false positive readings. Groundwater sampling and monitoring equipment (e.g. water level depth meters, water quality meters, pumps, etc.) were thoroughly decontaminated between each sampling location. Where feasible, monitoring and sampling started at the least contaminated locations and moved on to more contaminated locations.

3.2.2. Soil Sampling Methods

As indicated above, Site utilities were marked out prior to intrusive subsurface activities.

Subsurface soils were obtained by continuous soil sampling each soil boring by direct-push methodologies, using Geoprobe Systems' equipped with DT22 Dual Tube Samplers. The DT22 Dual Tube samplers consisted of steel barrels having an inside diameter of 1.25 inches and a length of five feet. Single-use clear acetate liners were inserted into the sampling barrels prior to advancement, and the resultant soil cores were collected in the acetate liners as the samplers were advanced. Non-disposable sampling equipment was decontaminated between sample locations to avoid potential cross contamination of samples.

3.2.2.1. Soil Classification

Soils were field-classified with respect to predominant soil types and texture and relative moisture content based on manual and visual field observations, and examined for staining and / or obvious indicators of petroleum or historical impact. The observed soil lithologies and pertinent observations are discussed in Section 4.4 and documented on Soil Boring Logs contained in **Appendix A**.

3.2.2.2. Field Screening

Soils were screened using open air and headspace analysis methods using a portable photo-ionization detector (PID; MiniRae Model 3000) equipped with a 10.6 eV lamp. The PID was calibrated to a 100 part-per-million (ppm) isobutylene/air calibration gas mixture. The headspace screening was performed by placing a representative portion of the collected soil samples into re-sealable plastic bags ("Zip-lock" bags), and subsequently screening the air surrounding the soil within the bags with the portable PID as the containerized soil was agitated. The screening was intended to determine the relative concentration of volatile organic compounds (VOCs) that are released from the respective soil sample into the airspace of the bag. The PID screening results recorded for each boring was noted on the Boring Logs contained in **Appendix A** and summarized in Section 4.3, if applicable.

3.2.2.3.Soil Sample Collection

Soil sampling locations, depths, and analysis completed are summarized in the following table:

Sample ID	Depth (ft)	PFAS
SB-201	1 – 5	X
SB-202	1 – 5	X
SB-203	1 – 5	X
SB-204	1 – 5	X
SB-205	1 – 5	X
SB-206	0 – 5	X
MW-201	13	X
MW-202	14	X
MW-203	14.9	X

SB – Soil Boring / Subsurface Soil Sample
MW – Monitoring Well Sample
PFAS via USEPA Method 1633

3.2.3. Groundwater Monitoring Well Installation

C&S observed the drilling and installation of temporary groundwater monitoring wells. A total of three, one-inch groundwater monitoring wells were installed (MW-201 through MW-203). **Figure 2** shows the well locations. Drilling was conducted by advancing an approximate 2.5-inch diameter macrocore with a track-mounted Geoprobe® drilling unit. Non-disposable sampling equipment was decontaminated between runs and between drill locations to avoid potential cross contamination of samples.

3.2.3.1.Well Construction

The wells were installed within an approximate 2.5-inch diameter borehole, resulting from the completion of the boring by the drilling rig. The screened interval consisted of one-inch diameter 0.01 inch slotted PVC, positioned to straddle both the anticipated level of the water table and physical evidence of contamination, if applicable. Due to their temporary nature, the screened interval was not packed with sand and the upper extent of the wells were not sealed with bentonite. Groundwater was present at approximately 13 to 15 feet below ground surface (bgs). The wells were advanced to 20 feet bgs.

3.2.3.2.Well Development and Sampling

Due to the temporary nature of the wells, well development was not attempted. However, approximately one to three well volumes was removed prior to sampling in order to promote the infiltration of new groundwater through the well screen.

Concurrent with sampling, water quality parameters were measured with a Horiba U-52-2 water meter.

The samples were placed into glassware provided by the laboratory and put on ice in a cooler. A groundwater sample was collected from each well (three samples) and submitted for PFAS analysis.

3.2.4. Investigation Derived Waste

Soil cuttings were placed back into the borehole or origin and groundwater effluent was allowed to infiltrate the surface near the well (subsequent to sampling).

4. Investigation Findings

The findings of the Limited Phase II ESA investigation are further discussed in the sections below.

4.1. Site Geology

The soil lithology across the site generally consists of:

Description	Approximate Depth (ft)
Asphalt, topsoil, and mixed soil containing HFM	0 – 1
Silty sand with some clay, bands of gravel and sand	1 - 20

The specific lithology observed at each boring location is documented on the corresponding boring logs included in **Appendix A.**

4.2. Site Hydrology

Due to the fine-grained nature of the site soils, the monitoring wells did not produce significant volumes of water. The effluent was generally turbid. Evidence of contamination such as odors or sheens were not observed.

Groundwater elevations were not measured to create a groundwater gradient map. However, based on topography and the location of an unnamed creek to the northeast, it is likely that groundwater flow is to the northeast.

4.3. Field Screening Results

No physical observations of impacts were observed in the borings.

4.4. Laboratory Analytical Data

As discussed above, subsurface soil and groundwater were collected and analyzed. Summaries of the lab data are provided as **Tables 1 and 2,** and laboratory analytical reports are provided in **Appendix B**.

4.4.1. Soil Analytical Data

New York State has established Soil Cleanup Objectives (SCOs) for various chemicals of interest, including chemical compounds associated with petroleum products, chemicals, pesticides / herbicides, metals, etc. The SCOs are established in Title 6 of the New York

Codes, Rules, and Regulations at Part 375 (6 NYCRR Part 375). The SCOs in Part 375 are intended to apply to State Superfund Sites, Brownfield Cleanup Program (BCP) Sites, and Environmental Restoration Program (ERP) Sites. Based on the future anticipated site use, soil contaminant concentrations have been compared to the Unrestricted Use and Restricted Residential Use SCOs established by NYSDEC. Descriptions of the SCOs are as follows:

- Contaminant concentrations that are below Unrestricted Use SCOs are considered to be representative of pre-release or background conditions, unless an impact to ecological resources has been identified. Soils with contaminant concentrations below these SCOs can be utilized without restriction and sites are not burdened by easements or land use controls.

- The Restricted Residential Use SCOs intended to apply to land uses such as apartments, condominium, co-operative or other multi-family / common property control residential development. In addition to the restrictions at a Residential Use site, this use prohibits vegetable gardens, unless planted in gardens where the soil achieves the residential use soil cleanup objectives; and a prohibition of single-family housing. Restricted Residential Use is the appropriate use category for day care or other childcare facilities, elementary or secondary schools, or college or boarding school residential buildings. This use allows for active recreational uses, which includes recreational activities with a reasonable potential for soil contact.

- Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Remedial Programs provides guidance on the collection and analysis of samples for PFAS and provides guidance values with respect to the anticipated site use. The document provides guidance values for two PFAS compounds: (Perfluorooctanesulfonic Acid) PFOS and (Perfluorooctanoic Acid) PFOA.

4.4.1.1. Subsurface Soil Analytical Data

Comparison of the subsurface soil analytical data indicates:

- The majority of the PFAS compound concentrations were below laboratory detection limits.

- PFOS and PFOA concentrations were below laboratory detection limits in three of the six samples and below guidance values in two of the remaining samples. The concentration of PFOS in the sample from SB-206 (0'-5') was 0.00293 parts per million (ppm), which exceeds the Unrestricted Use SCO of 0.00088 ppm, but is below the Restricted Residential Use SCO of 0.044 ppm.

4.4.1.2.Groundwater Analytical Data

Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) presents NYSDEC Division of Water ambient water quality standards and guidance values and groundwater effluent limitations. The authority for these values is derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-706, Water Quality Regulations. The groundwater analytical data generated from this Investigation was compared to TOGS 1.1.1 Part I ambient standards and guidance values. Part II of the document describes and lists groundwater effluent limitations.

Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Remedial Programs provides guidance on the collection and analysis of samples for PFAS, as well as ambient water quality guidance values.

Comparison of the groundwater analytical data to the standards and guidance indicates:

- PFOS and PFOA concentrations were below guidance values in the sample from MW-201.

- PFOS and PFOA concentrations were greater than the guidance values in the sample from MW-202. The results for PFOS and PFOA, respectively, were 0.035 ug/L and 0.0448 ug/L, compared to guidance values of 0.0027 ug/L and 0.0067 ug/L, respectively.

- PFOS and PFOA concentrations were greater than the guidance values in the sample from MW-203. The results for PFOS and PFOA, respectively, were 0.0275 ug/L and 0.0239 ug/L, compared to guidance values of 0.0027 ug/L and 0.0067 ug/L, respectively.

The locations of the groundwater wells are shown on **Figure 2.** Summaries of the laboratory data are provided as **Tables 1 and 2** and the laboratory analytical reports for the media sampled are provided in **Appendix B.**

5. Conclusions

At the request of Housing Visions, C&S Engineers, Inc. (C&S) has prepared this Phase II Environmental Site Assessment (Phase II or Investigation) Report for Coventry Commons located at 130-132 Harrison Street, Newark, New York (Site). The location of the Site is shown on **Figure 1**.

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C&S designed a Phase II that focused on the areas of the Site that were most likely to have been impacted by the use or release of PFAS. Efforts were generally focused to the rear of the building (north) where the loading docks and former wastewater treatment facilities were located. The effort was not intended to be a full site characterization to delineate the horizontal and vertical extent of contaminants.

The scope of the Phase II ESA included the advancement of six soil borings and three temporary groundwater monitoring wells, and the collection and analysis of six soil samples and three groundwater samples for PFAS. The sampling locations are shown on **Figure 2**.

C&S' Investigation of the Site was conducted on September 19, 2024. The following summarizes and discusses the results of this Investigation.

5.1. Findings

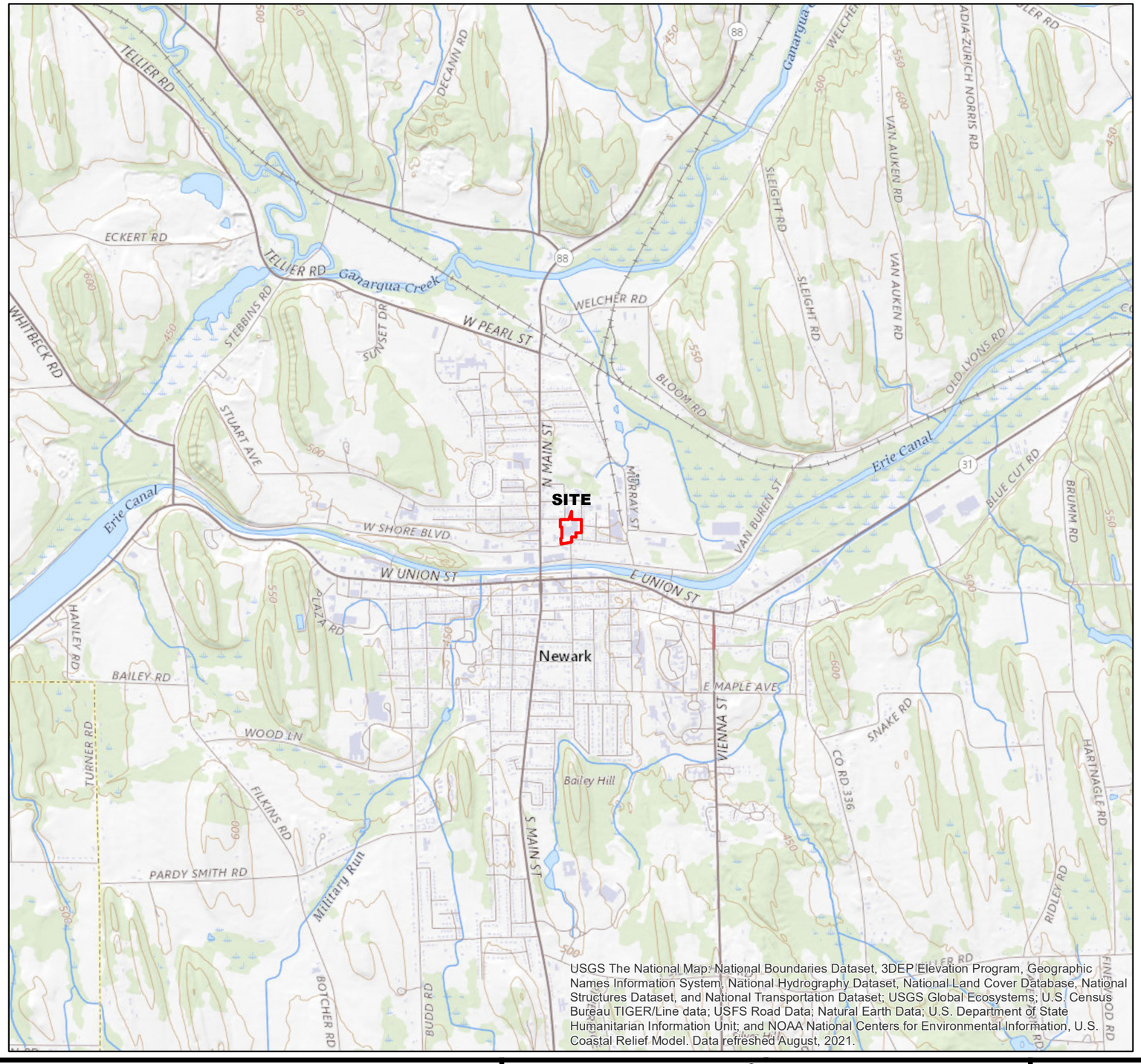
The upper five feet of soil from each boring was analyzed for PFAS. The analytical results were compared to the guidance values provided in *Sampling,* Analysis, and Assessment of Per- and Polyfluoroalkyl Substances *(PFAS) Under NYSDEC's Remedial Programs*. The document provides guidance values for two PFAS compounds: (Perfluorooctanesulfonic Acid) PFOS and (Perfluorooctanoic Acid) PFOA. The majority of the PFAS compound concentrations were below laboratory detection limits. The concentration of PFOS in the sample from SB-206 (0'-5') was 0.00293 parts per million (ppm), which exceeded the Unrestricted Use SCO of 0.00088 ppm, but is below the Restricted Residential Use SCO of 0.044 ppm. There were no guidance value exceedances in the other five samples. The results show compliance with the guidance values intended for a site with a multi-family apartment.

Each of the three monitoring wells was also sampled for PFAS and the analytical results were also compared to the NYSDEC PFAS guidance document. PFOS and PFOA concentrations were below guidance values in the sample from MW-201. PFOS in MW-202 and MW-203 ranged from 0.0275 to 0.035 micrograms per cubic liter (ug/L), as compared to a guidance value of 0.0027 ug/L. PFOA in MW-202 and MW-203 ranged from 0.0239 to 0.0448 ug/L, compared to a guidance value of 0.0067 ug/L. MW-202 is located to the north of the building on the anticipated downgradient side of the Site, while MW-203 is located to the south of the building on the anticipated upgradient side of the Site. Although concentrations at these two locations exceed the current guidance values, the concentrations are not indicative of a groundwater source in the immediate area.

5.2. Recommendations

Based on the results of this investigation, no further action appears to be warranted. As stated in the Phase I ESA, it is our opinion that soil and groundwater from future site development work be managed consistent with applicable regulations.

Figures



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2021.

Legend

SITE BOUNDARY

Notes

0 0.25 0.5 1 Miles

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N

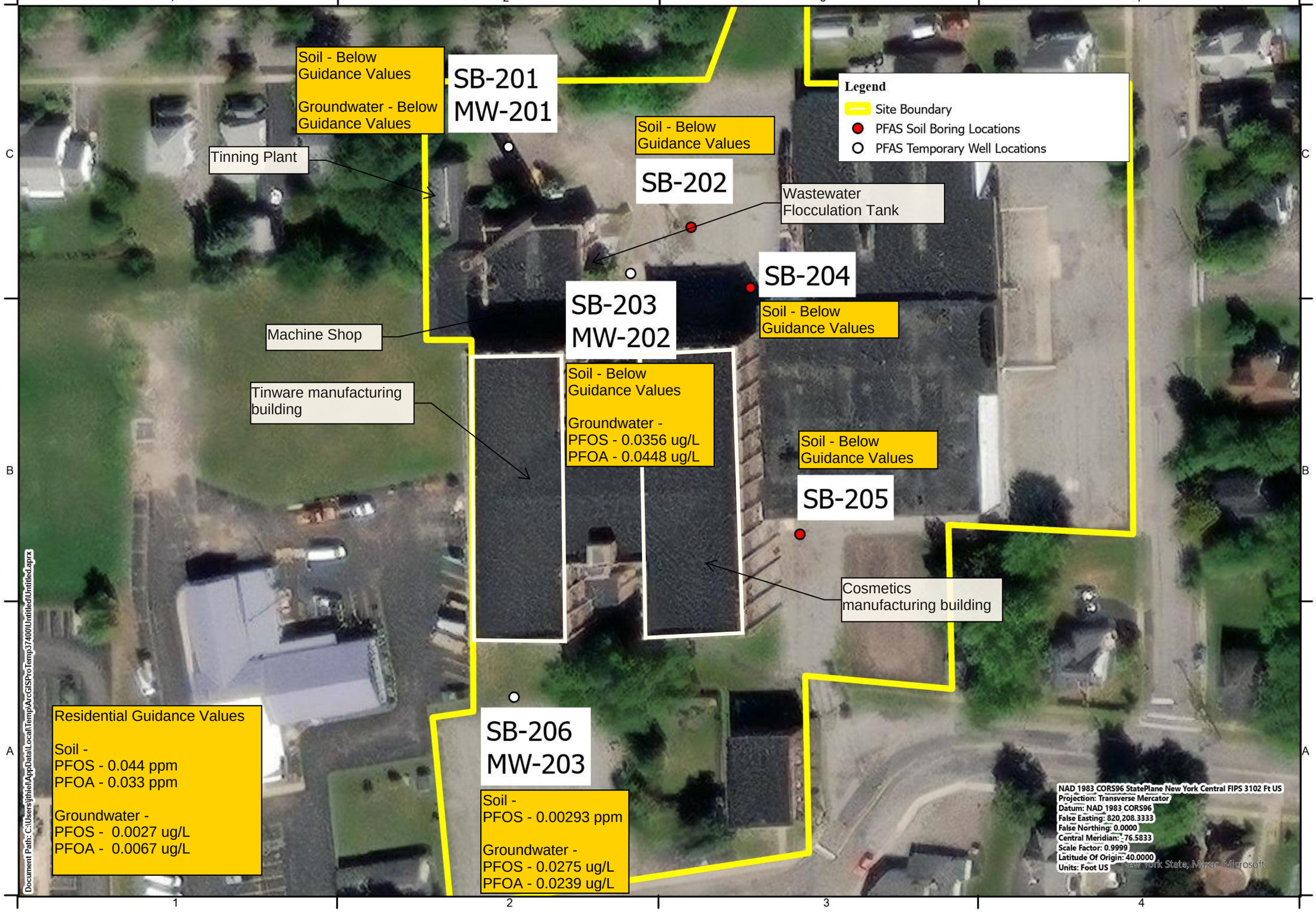
COVENTRY COMMONS
PHASE II ESA
130-132 HARRISON STREET
NEWARK, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	W96.007.001
DATE:	12/01/2022
DRAWN BY:	JAW
DESIGNED BY:	JAW
CHECKED BY:	DER

SITE LOCATION

FIGURE 1



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www.cscos.com

N

0 50 Feet

1 inch equals 61 feet

Coventry Commons PFAS Sampling
Coventry Commons
Newark, Wayne , New York

PROJECT NO:	INSERT
DATE:	October 2024
SCALE:	AS SHOWN
DRAWN BY:	
DESIGNED BY:	
CHECKED BY:	

Modified: 10/1/2024 @ 11:32 AM

PFAS SAMPLE LOCATIONS

Figure 2

Data Summary Tables

Coventry Commons Phase II ESA
Soil Data Summary

LOCATION				SB-201		SB-202		SB-203		SB-204		SB-205		SB-206	
SAMPLING DATE				9/19/2024		9/19/2024		9/19/2024		9/19/2024		9/19/2024		9/19/2024	
LAB SAMPLE ID				L2454132-01		L2454132-02		L2454132-03		L2454132-04		L2454132-05		L2454132-06	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				1-5		1-5		1-5		1-5		1-5		0-5	
	Unrestricted Use	Protection of GW	Restricted Residential	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by EPA 1633															
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)				0.00498	U	0.00498	U	0.00498	U	0.00499	U	0.00498	U	0.00498	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)				0.00498	U	0.00498	U	0.00498	U	0.00499	U	0.00498	U	0.00498	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)				0.000996	U	0.000997	U	0.000995	U	0.000998	U	0.000996	U	0.000996	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)				0.000796	U	0.000797	U	0.000796	U	0.000798	U	0.000797	U	0.000796	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)				0.00199	U	0.00199	U	0.00199	U	0.002	U	0.00199	U	0.00199	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)				0.00199	U	0.00199	U	0.00199	U	0.002	U	0.00199	U	0.00199	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)				0.000398	U	0.000399	U	0.000398	U	0.000399	U	0.000398	U	0.000398	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)				0.000398	U	0.000399	U	0.000398	U	0.000399	U	0.000398	U	0.000398	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)				0.000398	U	0.000399	U	0.000398	U	0.000399	U	0.000398	U	0.000398	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)				0.000398	U	0.000399	U	0.000398	U	0.000399	U	0.000398	U	0.000398	U
Perfluorobutanesulfonic Acid (PFBS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
Perfluorobutanoic Acid (PFBA)				0.000031	J	0.000039	J	0.000036	J	0.00003	J	0.000032	J	0.000121	J
Perfluorodecanesulfonic Acid (PFDS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000073	J
Perfluorodecanoic Acid (PFDA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000135	J
Perfluorododecanesulfonic Acid (PFDoS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000142	JF
Perfluorododecanoic Acid (PFDoA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000075	J
Perfluoroheptanesulfonic Acid (PFHpS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
Perfluoroheptanoic Acid (PFHpA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.00008	J
Perfluorohexanesulfonic Acid (PFHxS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000122	J
Perfluorohexanoic Acid (PFHxA)				0.000199	U	0.000199	U	0.000018	JF	0.0002	U	0.000022	J	0.000165	J
Perfluorononanesulfonic Acid (PFNS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
Perfluorononanoic Acid (PFNA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000152	J
Perfluorooctanesulfonamide (PFOSA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.00002	JF
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.001	0.044	0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000093	J	~~0.00293~~	
Perfluorooctanoic Acid (PFOA)	0.00066	0.0008	0.033	0.000199	U	0.000034	J	0.000199	U	0.0002	U	0.000054	J	0.000654	
Perfluoropentanesulfonic Acid (PFPeS)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000199	U
Perfluoropentanoic Acid (PFPeA)				0.000398	U	0.000399	U	0.000398	U	0.000399	U	0.000398	U	0.000096	J
Perfluorotetradecanoic Acid (PFTeDA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000027	J
Perfluorotridecanoic Acid (PFTrDA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.00003	J
Perfluoroundecanoic Acid (PFUnA)				0.000199	U	0.000199	U	0.000199	U	0.0002	U	0.000199	U	0.000091	J

Notes:

Results and soil cleanup objectives (SCO) in mg/kg

Analytical data compared to NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023

Highlighted color indicates the respective use SCO(s) exceeded. Use type SCOs are listed from left to right from most restrictive to least restrictive.

Blank space indicates that a SCO does not exist

"J" indicates estimated concentration

"U" indicates analyte not detected at concentration greater than laboratory detection limit

Coventry Commons
Groundwater Data Summary

LOCATION		MW-201		MW-202		MW-203	
SAMPLING DATE		9/19/2024		9/19/2024		9/19/2024	
LAB SAMPLE ID		L2454132-07		L2454132-08 R9		L2454132-09	
SAMPLE TYPE		GROUNDWATER		GROUNDWATER		GROUNDWATER	
	TOGS 1.1.1	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by EPA 1633							
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		0.012	U	0.106	U	0.0133	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		0.012	U	0.106	U	0.0133	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)		0.012	U	0.106	U	0.0133	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		0.012	U	0.106	U	0.0133	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		0.0747	U	0.66	U	0.0833	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		0.0747	U	0.66	U	0.0833	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		0.0149	U	0.132	U	0.0167	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)		0.012	U	0.106	U	0.0133	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)		0.012	U	0.106	U	0.0133	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		0.012	U	0.106	U	0.0133	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		0.00299	U	0.0264	U	0.00333	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		0.0299	U	0.264	U	0.0333	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		0.00299	U	0.0264	U	0.00333	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		0.00299	U	0.0264	U	0.00333	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		0.0299	U	0.264	U	0.0333	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		0.00299	U	0.0264	U	0.00333	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)		0.00598	U	0.0528	U	0.00667	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)		0.00598	U	0.0528	U	0.00667	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)		0.00598	U	0.0528	U	0.00667	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)		0.00598	U	0.0528	U	0.00667	U
Perfluorobutanesulfonic Acid (PFBS)		0.00232	J	0.0109	J	0.00343	
Perfluorobutanoic Acid (PFBA)		0.00834	J	0.0447	J	0.00635	J
Perfluorodecanesulfonic Acid (PFDS)		0.00299	U	0.0264	U	0.00333	U
Perfluorodecanoic Acid (PFDA)		0.000717	JF	0.0377		0.00183	J
Perfluorododecanesulfonic Acid (PFDoS)		0.00299	U	0.0264	U	0.00333	U
Perfluorododecanoic Acid (PFDoA)		0.00299	U	0.0264	U	0.00333	U
Perfluoroheptanesulfonic Acid (PFHpS)		0.00299	U	0.0264	U	0.00333	U
Perfluoroheptanoic Acid (PFHpA)		0.00528		0.0509		0.00572	
Perfluorohexanesulfonic Acid (PFHxS)		0.000672	J	0.0264	U	0.00338	
Perfluorohexanoic Acid (PFHxA)		0.0124		0.057		0.0122	
Perfluorononanesulfonic Acid (PFNS)		0.00299	U	0.0264	U	0.00333	U
Perfluorononanoic Acid (PFNA)		0.00299	U	0.0332		0.0044	
Perfluorooctanesulfonamide (PFOSA)		0.00299	U	0.0264	U	0.00333	U
Perfluorooctanesulfonic Acid (PFOS)	0.0027	0.00257	J	0.0356		0.0275	
Perfluorooctanoic Acid (PFOA)	0.0067	0.00563		0.0448		0.0239	
Perfluoropentanesulfonic Acid (PFPeS)		0.00299	U	0.0264	U	0.000433	J
Perfluoropentanoic Acid (PFPeA)		0.0149		0.101		0.0122	
Perfluorotetradecanoic Acid (PFTeDA)		0.00299	U	0.0264	U	0.00333	U
Perfluorotridecanoic Acid (PFTrDA)		0.00299	U	0.0264	U	0.00333	U
Perfluoroundecanoic Acid (PFUnA)		0.000912	J	0.0264	U	0.00333	U

Notes:

PFAS compounds compared to thresholds provided in Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, April 2023.

Highlighted cell indicates the respective groundwater limitation exceeded.

Blank space indicates that a threshold does not exist.

Guidance values and results in parts per billion (ppb)

"J" indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

"U" indicates analyte not detected at concentration greater than laboratory detection limit

Appendices

Appendix A

Soil Boring Logs

C&S COMPANIES	C&S Engineers, Inc. 499 Col Eileen Collins Blvd Syracuse, New York 13212 Phone: 315-455-2000 Fax: 315-455-9667	**BORING LOG**	Boring No.	SB-201
			Sheet 1 of:	1
			Project No.:	

Project Name:	Coventry Commons PFAS Phase II							**Surface Elev.:**	
Location:	Newark, NY							**Datum:**	
Client:	Housing Visions							**Start Date:**	9/19/24
Drilling Firm:	Matrix							**Finish Date:**	
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**					**Inspector:**	J. Thiel
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**		
Before Casing Removal:			**Sampler:**		**Other:**				
After Casing Removal:			**Hammer:**						

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				HFM, Coal, brick, ash with some coarse gravel.	R: 70%
					OA: 0.0
2				Silty sand with some MC gravel. Brown/tan, no staining, no odor	Sample Interval: 1-5
3					
4					
5				Silty sand with some MC gravel. Brown/tan, no staining, no odor	
6					
7					
8					
9					
10				Same as above.	
11					
12					
13					
14					
15				Same as above. Moist	
16					
17					
18					
19					
20				Same as above. Wet Borehole termination	
21					
22					
23					

C&S Engineers, Inc.
499 Col Eileen Collins Blvd
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667

BORING LOG

Boring No.	**SB-202**
Sheet 1 of:	1
Project No.:	
Surface Elev.:	
Datum:	
Start Date:	9/19/24
Finish Date:	
Inspector:	J. Thiel

Project Name:	Coventry Commons PFAS Phase II							
Location:	Newark, NY							
Client:	Housing Visions							
Drilling Firm:	Matrix							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**					
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1	Asphalt	R: 40%
1			1-3	Silt / clay with some sand , some FMC gravel, brown, no staining, no odor	OA: 0.0
					Sample Interval: 1-5
2					
			3-5	Sand & clay, gray/brown. Little FMC gravel, no staining, no odor	
3					
4					
			5-7	Silty sand with FMC gravel, brown/gray, no staining, no odor	R: 60%
5					OA: 0.0
6					
			7-8	HFM coal, cinder, brick, a\sh. Dark color, no odor some FMC gravel	
7					
			8-10	Sand and FMC gravel. Gray/ brown, no staining, no odor	
8					
9					
				Borehole termination	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

C&S Engineers, Inc.
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BORING LOG

Boring No.	**SB-203**
Sheet 1 of:	1
Project No.:	
Surface Elev.:	
Datum:	
Start Date:	9/19/24
Finish Date:	
Inspector:	J. Thiel

Project Name:	Coventry Commons PFAS							
Location:	Newark							
Client:	Housing Visions							
Drilling Firm:	Matrix							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**					
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5	HFM, brick, ash, cinder.	R: 70%
1			0.5-3	Sandy silt with some FMC gravel. Gray, no odor, no staining, dry	OA: 0.0
					Sample Interval: 1-5
2					
			3-5	Sandy silt with some FMC gravel. Brown/red no odor, no staining. Dry	
3					
4					
			5-10	Sand with some clay, Some FMC gravel. Red/ brown in color, no staining, no odor	R: 50%
5					OA: 0.0
6					
7					
8					
9					
			10-11	same as above	R:70
10					OA:0.0
			11-12	Possible concrete and HFM, possible blowback. Dark, no odor, some sand, dry	
11					
			12-15	Moist, Silty sand with little FMC gravel. Tan, no odor, no staining	
12					
13					
14					
			15-19	Silty sand with some fine gravel. Tan, no staining, no odor. Saturated	R: 70
15					OA: 0.0
16					
17					
18					
			19-20	Coarse with some MF gravel with little sand no staining, no odor, saturated	
19					
20				Borehole termination	
21					
22					
23					

C&S Engineers, Inc.
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BORING LOG

Boring No.	**SB-204**
Sheet 1 of:	1
Project No.:	
Surface Elev.:	
Datum:	
Start Date:	9/19/24
Finish Date:	
Inspector:	J. Thiel

Project Name:	Coventry Commons PFAS							
Location:	Newark							
Client:	Housing Visions							
Drilling Firm:	Matrix							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**					
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1	Asphalt	R: 65%
1			1-4	Silt with sand and FMC gravel, brown & tan, no staining, no odor, dry	OA: 0.0
					Sample Interval: 1-5
2					
3					
			4-5	Sand and FMC gravel. No staining, no odor. Dry. Tan/gray	
4					
			5-10	Same as above	R: 65%
5					OA: 0.0
6					
7					
8					
9					
10				Borehole termination	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

C&S Engineers, Inc.
499 Col Eileen Collins Blvd
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667

BORING LOG

Boring No.	**SB-205**
Sheet 1 of:	1
Project No.:	
Surface Elev.:	
Datum:	
Start Date:	9/19/24
Finish Date:	
Inspector:	J. Thiel

Project Name:	Coventry Commons PFAS							
Location:	Newark							
Client:	Housing Visions							
Drilling Firm:	Matrix							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**					
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1	Asphalt	R: 60%
1			1-4	Sandy silt with some FM gravel. Brown/ gray, no odor, no staining. Moist	OA: 0.0
					Sample Interval: 1-5
2					
				Sand and MC gravel. Tan/ brown, no staining, no odor, wet	
3					
4					
				same as above, dark color	R: 60%
5					OA: 0.0
				same as above, tan/ brown	
6					
7					
8					
				same as above, dry	
9					
				Borehole termination	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

C&S COMPANIES	C&S Engineers, Inc. 499 Col Eileen Collins Blvd Syracuse, New York 13212 Phone: 315-455-2000 Fax: 315-455-9667	**BORING LOG**	**Boring No.**	**SB-206**
			Sheet 1 of:	1
			Project No.:	

Project Name:	Coventry Commons PFAS							**Surface Elev.:**	
Location:	Newark							**Datum:**	
Client:	Housing Visions							**Start Date:**	9/19/24
Drilling Firm:	Matrix							**Finish Date:**	
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**					**Inspector:**	J. Thiel
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**		
Before Casing Removal:			**Sampler:**		**Other:**				
After Casing Removal:			**Hammer:**						

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1	Top soil with some sand and organics.	R: 70%
1			1-5	Sandy silt with some FMC gravel tan/ brown no odor, no staining. Dry	OA: 0.0
					Sample Interval: 1-5
2					
3					
4					
			5-10	Sand with some clay and FMC gravel. Tan/ gray. No odor, no sating dry	R: 65%
5					OA: 0.0
6					
7					
8					
9					
			10-12	Same as above	R: 75%
10					OA: 0.0
11					
			12-13	Wet sand. Tan/ brown no staining, no odor	
12					
			13-15	Same as 10-12, dry	
13					
14					
			15-17	FMC gravel with some sand, wet, no odor, no staining	R: 75
15					OA: 0.0
16					
			17-20	Sand with some FMC gravel. Brown, no odor, no staining, wet	
17					
18					
19					
				Borehole termination	
20					
21					
22					
23					

Appendix B

Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L2454132
Client:	C&S Companies 499 Col. Eileen Collins Blvd. Syracuse, NY 13212
ATTN:	Matthew Walker
Phone:	(315) 455-2000
Project Name:	COVENTRY COMMONS
Project Number:	W96 007 004
Report Date:	10/18/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2454132-01	SB-201	SOIL	Not Specified	09/19/24 09:26	09/19/24
L2454132-02	SB-202	SOIL	Not Specified	09/19/24 10:24	09/19/24
L2454132-03	SB-203	SOIL	Not Specified	09/19/24 09:45	09/19/24
L2454132-04	SB-204	SOIL	Not Specified	09/19/24 10:45	09/19/24
L2454132-05	SB-205	SOIL	Not Specified	09/19/24 11:15	09/19/24
L2454132-06	SB-206	SOIL	Not Specified	09/19/24 11:40	09/19/24
L2454132-07	MW-201	WATER	Not Specified	09/19/24 15:17	09/19/24
L2454132-08	MW-202	WATER	Not Specified	09/19/24 15:48	09/19/24
L2454132-09	MW-203	WATER	Not Specified	09/19/24 14:50	09/19/24

Project Name:	COVENTRY COMMONS	**Lab Number:**	L2454132
Project Number:	W96 007 004	**Report Date:**	10/18/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	COVENTRY COMMONS	**Lab Number:**	L2454132
Project Number:	W96 007 004	**Report Date:**	10/18/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2454132-01, -02, -03, -04, -05, and -06: The sample was received in an inappropriate container for the NY PFAAs via EPA 1633 analysis.

Perfluorinated Alkyl Acids by 1633

L2454132-07RE, -08RE, and -09RE: The sample was centrifuged and decanted prior to extraction due to sample matrix.

L2454132-07RE and -09RE: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2454132-07RE and -09RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

L2454132-08RE: The sample was re-extracted on dilution within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

L2454132-08RE: The Extracted Internal Standard recoveries were outside of acceptance criteria for perfluoro[1,2,3,4-13c4]heptanoic acid (m4pfhpa) (38%), perfluoro[1,2,3-13c3]hexanesulfonic acid (m3pfhxs) (34%), perfluoro[13c8]octanoic acid (m8pfoa) (38%), 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (35%), perfluoro[13c8]octanesulfonic acid (m8pfos) (27%), perfluoro[1,2,3,4,5,6-13c6]decanoic acid (m6pfda) (34%), 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (23%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (27%), perfluoro[1,2,3,4,5,6,7-13c7]undecanoic acid (m7-pfuda) (29%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (21%); however, the criteria were achieved upon re-extraction at a lower volume. The results of all extractions are reported.

L2454132-08RE/D: The Extracted Internal Standard recoveries were outside the acceptance criteria for

Project Name:	COVENTRY COMMONS	**Lab Number:**	L2454132
Project Number:	W96 007 004	**Report Date:**	10/18/24

Case Narrative (continued)

perfluoro[2,3,4-13c3]butanesulfonic acid (m3pfbs) (38%), perfluoro[1,2,3,4-13c4]heptanoic acid (m4pfhpa) (36%), perfluoro[1,2,3-13c3]hexanesulfonic acid (m3pfhxs) (38%), 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (37%), perfluoro[13c8]octanesulfonic acid (m8pfos) (26%), 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (36%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (25%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (15%); therefore a second re-extraction was performed.

L2454132-08RE2: The sample was re-extracted at lesser volume due to matrix interference in the original re-extraction. The results of the re-extraction are also reported.

L2454132-08RE2 and WG1983641-2R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

WG1983641-2R: The ion ratio for N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) was outside criteria; however, the percent recovery was within acceptance criteria; therefore, no further action was taken.

The WG1983641-2R LCS recovery, associated with L2454132-07RE , -08RE and -09RE, is above the acceptance criteria for perfluoropentanesulfonic acid (pfpes) (146%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Alycia Mogayzel

Title: Technical Director/Representative Date: 10/18/24

ORGANICS

SEMIVOLATILES

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-01
Client ID: SB-201
Sample Location: Not Specified

Date Collected: 09/19/24 09:26
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/04/24 19:21
Analyst: AC
Percent Solids: 88%

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.031	J	ng/g	0.796	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.796	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.796	0.147	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.796	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.796	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-01 Date Collected: 09/19/24 09:26

Client ID: SB-201 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.796	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.796	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.996	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-01 Date Collected: 09/19/24 09:26

Client ID: SB-201 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	73		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	75		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	71		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	66		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	67		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	66		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	63		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	53		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	68		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	65		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	67		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	59		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	67		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	80		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	68		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	65		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	79		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	79		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	65		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	75		15-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-02
Client ID: SB-202
Sample Location: Not Specified

Date Collected: 09/19/24 10:24
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/04/24 19:30
Analyst: AC
Percent Solids: 84%

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.039	J	ng/g	0.797	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.797	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	0.034	J	ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.797	0.148	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.797	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.797	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.797	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-02 Date Collected: 09/19/24 10:24

Client ID: SB-202 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.797	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.797	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.399	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.399	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.399	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.399	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.997	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-02 Date Collected: 09/19/24 10:24

Client ID: SB-202 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	96		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	86		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	92		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	111		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	101		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	110		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	103		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	92		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	84		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	98		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	106		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	83		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	93		15-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-03
Client ID: SB-203
Sample Location: Not Specified

Date Collected: 09/19/24 09:45
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/04/24 19:40
Analyst: AC
Percent Solids: 87%

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.036	J	ng/g	0.796	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.796	0.077	1
Perfluorohexanoic Acid (PFHxA)	0.018	JF	ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.796	0.147	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.796	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.796	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-03 Date Collected: 09/19/24 09:45

Client ID: SB-203 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.796	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.796	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.995	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-03 Date Collected: 09/19/24 09:45

Client ID: SB-203 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	91		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	93		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	93		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	91		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	92		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	97		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	91		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	99		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	108		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	93		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	88		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	93		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	104		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	86		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	95		15-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-04
Client ID: SB-204
Sample Location: Not Specified

Date Collected: 09/19/24 10:45
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/04/24 19:49
Analyst: AC
Percent Solids: 94%

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.030	J	ng/g	0.798	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.798	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.798	0.148	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.798	0.259	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.798	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.798	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-04 Date Collected: 09/19/24 10:45

Client ID: SB-204 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.798	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.798	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.399	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.399	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.399	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.399	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.998	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.99	0.236	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.99	0.365	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-04 Date Collected: 09/19/24 10:45

Client ID: SB-204 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	102		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	102		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	93		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	91		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	91		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	93		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	98		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	95		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	102		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	99		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	88		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	83		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	98		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	99		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	85		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	100		15-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-05
Client ID: SB-205
Sample Location: Not Specified

Date Collected: 09/19/24 11:15
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/04/24 19:59
Analyst: AC
Percent Solids: 86%

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.032	J	ng/g	0.797	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.797	0.077	1
Perfluorohexanoic Acid (PFHxA)	0.022	J	ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	0.054	J	ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.797	0.147	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	0.093	J	ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.797	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.797	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.797	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-05 Date Collected: 09/19/24 11:15

Client ID: SB-205 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.797	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.797	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.996	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-05 Date Collected: 09/19/24 11:15

Client ID: SB-205 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	105		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	103		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	100		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	111		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	96		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	87		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	81		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	101		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	98		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	111		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	98		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	93		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	97		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	111		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	83		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	93		15-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-06
Client ID: SB-206
Sample Location: Not Specified

Date Collected: 09/19/24 11:40
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/04/24 20:08
Analyst: AC
Percent Solids: 84%

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.121	J	ng/g	0.796	0.028	1
Perfluoropentanoic Acid (PFPeA)	0.096	J	ng/g	0.398	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.796	0.077	1
Perfluorohexanoic Acid (PFHxA)	0.165	J	ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	0.080	J	ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	0.122	J	ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	0.654		ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.796	0.147	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	0.152	J	ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	2.93		ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	0.135	J	ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	0.091	J	ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	0.073	J	ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	0.020	JF	ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	0.075	J	ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	0.030	J	ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	0.027	J	ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.796	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.796	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	0.142	JF	ng/g	0.199	0.022	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-06 Date Collected: 09/19/24 11:40

Client ID: SB-206 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.796	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.796	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.996	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-06 Date Collected: 09/19/24 11:40

Client ID: SB-206 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	99		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	92		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	87		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	97		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	85		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	101		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	92		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	107		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	103		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	96		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	97		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	108		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	84		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	92		15-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-07 RE
Client ID: MW-201
Sample Location: Not Specified

Date Collected: 09/19/24 15:17
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 10/14/24 17:54
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.34	J	ng/l	12.0	0.986	1
Perfluoropentanoic Acid (PFPeA)	14.9		ng/l	5.98	0.672	1
Perfluorobutanesulfonic Acid (PFBS)	2.32	J	ng/l	2.99	0.747	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	12.0	1.70	1
Perfluorohexanoic Acid (PFHxA)	12.4		ng/l	2.99	0.463	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.99	0.388	1
Perfluoroheptanoic Acid (PFHpA)	5.28		ng/l	2.99	0.448	1
Perfluorohexanesulfonic Acid (PFHxS)	0.672	J	ng/l	2.99	0.254	1
Perfluorooctanoic Acid (PFOA)	5.63		ng/l	2.99	0.493	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	12.0	9.00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.99	0.374	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.99	0.493	1
Perfluorooctanesulfonic Acid (PFOS)	2.57	J	ng/l	2.99	0.493	1
Perfluorodecanoic Acid (PFDA)	0.717	JF	ng/l	2.99	0.388	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	12.0	2.29	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.99	0.374	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.99	0.897	1
Perfluoroundecanoic Acid (PFUnA)	0.912	J	ng/l	2.99	0.329	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.99	0.254	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	2.99	0.179	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.99	0.897	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.99	0.403	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.99	0.344	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	2.99	0.299	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	12.0	2.99	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	12.0	0.702	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	2.99	0.448	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-07 RE Date Collected: 09/19/24 15:17

Client ID: MW-201 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	12.0	0.822	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	12.0	0.837	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	2.99	0.418	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	2.99	0.658	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	29.9	2.44	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	29.9	2.06	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	5.98	0.463	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	5.98	0.672	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	5.98	0.613	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	5.98	1.02	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	14.9	1.00	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	74.7	7.95	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	74.7	5.95	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-07 RE
Client ID: MW-201
Sample Location: Not Specified

Date Collected: 09/19/24 15:17
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	99		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	109		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	105		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	95		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	94		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	88		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	87		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	58		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	64		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	67		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	65		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	61		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	67		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	67		10-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE2
Client ID: MW-202
Sample Location: Not Specified

Date Collected: 09/19/24 15:48
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 10/17/24 07:28
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/16/24 05:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.1	J	ng/l	128	10.6	1
Perfluoropentanoic Acid (PFPeA)	54.9	J	ng/l	64.0	7.20	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	32.0	8.00	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	128	18.2	1
Perfluorohexanoic Acid (PFHxA)	35.4		ng/l	32.0	4.96	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	32.0	4.16	1
Perfluoroheptanoic Acid (PFHpA)	24.3	J	ng/l	32.0	4.80	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	32.0	2.72	1
Perfluorooctanoic Acid (PFOA)	28.6	J	ng/l	32.0	5.28	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	128	96.3	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	32.0	4.00	1
Perfluorononanoic Acid (PFNA)	21.9	J	ng/l	32.0	5.28	1
Perfluorooctanesulfonic Acid (PFOS)	25.9	J	ng/l	32.0	5.28	1
Perfluorodecanoic Acid (PFDA)	27.2	J	ng/l	32.0	4.16	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	128	24.5	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	32.0	4.00	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	32.0	9.60	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	32.0	3.52	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	32.0	2.72	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	32.0	1.92	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	32.0	9.60	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	32.0	4.32	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	32.0	3.68	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	32.0	3.20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	128	32.0	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	128	7.52	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	32.0	4.80	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE2 Date Collected: 09/19/24 15:48

Client ID: MW-202 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	128	8.80	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	128	8.96	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	32.0	4.48	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	32.0	7.04	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	320	26.1	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	320	22.1	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	64.0	4.96	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	64.0	7.20	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	64.0	6.56	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	64.0	10.9	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	160	10.7	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	800	85.1	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	800	63.7	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE2 Date Collected: 09/19/24 15:48

Client ID: MW-202 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	96		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	104		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	99		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	92		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	83		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	68		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	91		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	67		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	103		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	74		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	76		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	81		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	78		10-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE/D
Client ID: MW-202
Sample Location: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 10/15/24 19:54
Analyst: JW

Date Collected: 09/19/24 15:48
Date Received: 09/19/24
Field Prep: Not Specified

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	44.7	J	ng/l	106	8.70	10
Perfluoropentanoic Acid (PFPeA)	101		ng/l	52.8	5.94	10
Perfluorobutanesulfonic Acid (PFBS)	10.9	J	ng/l	26.4	6.60	10
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	106	15.0	10
Perfluorohexanoic Acid (PFHxA)	57.0		ng/l	26.4	4.09	10
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	26.4	3.43	10
Perfluoroheptanoic Acid (PFHpA)	50.9		ng/l	26.4	3.96	10
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	26.4	2.24	10
Perfluorooctanoic Acid (PFOA)	44.8		ng/l	26.4	4.35	10
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	106	79.4	10
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	26.4	3.30	10
Perfluorononanoic Acid (PFNA)	33.2		ng/l	26.4	4.35	10
Perfluorooctanesulfonic Acid (PFOS)	35.6		ng/l	26.4	4.35	10
Perfluorodecanoic Acid (PFDA)	37.7		ng/l	26.4	3.43	10
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	106	20.2	10
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	26.4	3.30	10
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	26.4	7.91	10
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	26.4	2.90	10
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	26.4	2.24	10
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	26.4	1.58	10
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	26.4	7.91	10
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	26.4	3.56	10
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	26.4	3.03	10
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	26.4	2.64	10
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	106	26.4	10
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	106	6.20	10
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	26.4	3.96	10

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE/D Date Collected: 09/19/24 15:48

Client ID: MW-202 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	106	7.25	10
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	106	7.39	10
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	26.4	3.69	10
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	26.4	5.80	10
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	264	21.5	10
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	264	18.2	10
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	52.8	4.09	10
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	52.8	5.94	10
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	52.8	5.41	10
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	52.8	8.97	10
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	132	8.84	10
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	660	70.2	10
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	660	52.5	10

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE/D Date Collected: 09/19/24 15:48

Client ID: MW-202 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	57		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	43		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	**38**	Q	40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	41		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	44		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	**36**	Q	40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	**38**	Q	40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	45		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	**37**	Q	40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	42		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	**26**	Q	40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	49		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	**36**	Q	40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**25**	Q	40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	48		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	46		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	**15**	Q	25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	33		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	18		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	48		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	26		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	41		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	35		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	32		10-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE
Client ID: MW-202
Sample Location: Not Specified

Date Collected: 09/19/24 15:48
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 10/14/24 18:03
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	16.4		ng/l	10.6	0.870	1
Perfluoropentanoic Acid (PFPeA)	61.2		ng/l	5.28	0.594	1
Perfluorobutanesulfonic Acid (PFBS)	6.17		ng/l	2.64	0.660	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	10.6	1.50	1
Perfluorohexanoic Acid (PFHxA)	38.0		ng/l	2.64	0.409	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.64	0.343	1
Perfluoroheptanoic Acid (PFHpA)	27.0		ng/l	2.64	0.396	1
Perfluorohexanesulfonic Acid (PFHxS)	1.75	J	ng/l	2.64	0.224	1
Perfluorooctanoic Acid (PFOA)	34.7		ng/l	2.64	0.435	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	10.6	7.94	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.64	0.330	1
Perfluorononanoic Acid (PFNA)	22.9		ng/l	2.64	0.435	1
Perfluorooctanesulfonic Acid (PFOS)	15.7		ng/l	2.64	0.435	1
Perfluorodecanoic Acid (PFDA)	26.1		ng/l	2.64	0.343	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	10.6	2.02	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.64	0.330	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.64	0.791	1
Perfluoroundecanoic Acid (PFUnA)	0.950	J	ng/l	2.64	0.290	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.64	0.224	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	2.64	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.64	0.791	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.64	0.356	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.64	0.303	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	2.64	0.264	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	10.6	2.64	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	10.6	0.620	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	2.64	0.396	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE
Client ID: MW-202
Sample Location: Not Specified

Date Collected: 09/19/24 15:48
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	10.6	0.725	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	10.6	0.739	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	2.64	0.369	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	2.64	0.580	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	26.4	2.15	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	26.4	1.82	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	5.28	0.409	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	5.28	0.594	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	5.28	0.541	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	5.28	0.897	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	13.2	0.884	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	66.0	7.02	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	66.0	5.25	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-08 RE
Client ID: MW-202
Sample Location: Not Specified

Date Collected: 09/19/24 15:48
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	44		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	40		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	40		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	44		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	42		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	**38**	Q	40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	**34**	Q	40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	**38**	Q	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	**35**	Q	40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	41		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	**27**	Q	40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	**34**	Q	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	**23**	Q	40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**27**	Q	40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	**29**	Q	30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	47		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	**21**	Q	25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	28		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	35		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	47		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	35		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	38		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	41		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	40		10-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-09 RE
Client ID: MW-203
Sample Location: Not Specified

Date Collected: 09/19/24 14:50
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 10/14/24 18:12
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.35	J	ng/l	13.3	1.10	1
Perfluoropentanoic Acid (PFPeA)	12.2		ng/l	6.67	0.750	1
Perfluorobutanesulfonic Acid (PFBS)	3.43		ng/l	3.33	0.833	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	13.3	1.90	1
Perfluorohexanoic Acid (PFHxA)	12.2		ng/l	3.33	0.517	1
Perfluoropentanesulfonic Acid (PFPeS)	0.433	J	ng/l	3.33	0.433	1
Perfluoroheptanoic Acid (PFHpA)	5.72		ng/l	3.33	0.500	1
Perfluorohexanesulfonic Acid (PFHxS)	3.38		ng/l	3.33	0.283	1
Perfluorooctanoic Acid (PFOA)	23.9		ng/l	3.33	0.550	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	13.3	10.0	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	3.33	0.417	1
Perfluorononanoic Acid (PFNA)	4.40		ng/l	3.33	0.550	1
Perfluorooctanesulfonic Acid (PFOS)	27.5		ng/l	3.33	0.550	1
Perfluorodecanoic Acid (PFDA)	1.83	J	ng/l	3.33	0.433	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	13.3	2.55	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	3.33	0.417	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	3.33	1.00	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	3.33	0.367	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	3.33	0.283	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	3.33	0.200	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	3.33	1.00	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	3.33	0.450	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	3.33	0.383	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	3.33	0.333	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	13.3	3.33	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	13.3	0.783	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	3.33	0.500	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-09 RE Date Collected: 09/19/24 14:50

Client ID: MW-203 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	13.3	0.917	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	13.3	0.933	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	3.33	0.467	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	3.33	0.733	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	33.3	2.72	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	33.3	2.30	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	6.67	0.517	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	6.67	0.750	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	6.67	0.683	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	6.67	1.13	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	16.7	1.12	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	83.3	8.87	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	83.3	6.63	1

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-09 RE Date Collected: 09/19/24 14:50

Client ID: MW-203 Date Received: 09/19/24

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	100		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	104		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	100		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	96		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	70		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	53		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	61		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	66		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	73		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	63		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	65		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	58		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	65		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	65		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	63		10-130

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/04/24 18:44
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-06 Batch: WG1979637-1					
Perfluorobutanoic Acid (PFBA)	0.032	J	ng/g	0.800	0.028
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.038
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.078
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.015
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.012
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.026
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.148
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.013
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.031
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.035
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.259
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.086
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.021
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.038
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.030
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/04/24 18:44
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-06 Batch: WG1979637-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.030
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.040
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.122
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.082
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.017
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.024
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.046
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.082
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.092
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.236
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	0.366

Project Name: COVENTRY COMMONS
Project Number: W96 007 004
Lab Number: L2454132
Report Date: 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/04/24 18:44
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/03/24 10:00
Cleanup Method: EPA 1633
Cleanup Date: 10/03/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-06 Batch: WG1979637-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	80		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	70		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	71		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	69		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	70		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	77		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	58		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	69		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	83		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	75		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	76		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	70		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	83		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	87		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	68		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	76		15-130

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/14/24 15:06
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 07-09 Batch: WG1983641-1					
Perfluorobutanoic Acid (PFBA)	0.624	J	ng/l	6.40	0.528
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.360
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.400
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	0.912
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.248
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.208
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.240
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.136
Perfluorooctanoic Acid (PFOA)	0.512	J	ng/l	1.60	0.264
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	4.82
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.200
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.264
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.264
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.208
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	1.22
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.200
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.480
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.176
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.136
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.096
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.480
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.216
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.184
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.160
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	1.60
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	0.376
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.240

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/14/24 15:06
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 07-09 Batch: WG1983641-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	0.440
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	0.448
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.224
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.352
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	1.30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.10
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.248
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.360
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.328
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	0.544
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	0.536
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	4.26
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	3.18

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/14/24 15:06
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/14/24 06:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 07-09 Batch: WG1983641-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	104		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	94		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	77		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	58		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	83		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	96		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	92		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	74		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	79		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	90		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	92		10-130

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/16/24 07:31
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/16/24 05:36

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1984772-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	0.528
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.360
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.400
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	0.912
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.248
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.208
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.240
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.136
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.264
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	4.82
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.200
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.264
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.264
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.208
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	1.22
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.200
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.480
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.176
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.136
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.096
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.480
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.216
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.184
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.160
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	1.60
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	0.376
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.240

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/16/24 07:31
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/16/24 05:36

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1984772-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	0.440
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	0.448
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.224
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.352
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	1.30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.10
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.248
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.360
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.328
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	0.544
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	0.536
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	4.26
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	3.18

Project Name: COVENTRY COMMONS **Lab Number:** L2454132

Project Number: W96 007 004 **Report Date:** 10/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/16/24 07:31
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/16/24 05:36

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1984772-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	100		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	105		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	119		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	106		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	89		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	105		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	91		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	91		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	89		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	75		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	76		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	93		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	90		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	98		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	104		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	86		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	91		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	101		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	101		10-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1979637-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	105		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	107		-		60-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	106		-		60-150	-		30
Perfluorohexanoic Acid (PFHxA)	107		-		65-140	-		30
Perfluoropentanesulfonic Acid (PFPeS)	109		-		55-160	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		65-145	-		30
Perfluorohexanesulfonic Acid (PFHxS)	105		-		60-150	-		30
Perfluorooctanoic Acid (PFOA)	100		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		55-200	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		65-155	-		30
Perfluorononanoic Acid (PFNA)	121		-		70-155	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		65-160	-		30
Perfluorodecanoic Acid (PFDA)	102		-		70-155	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	112		-		70-150	-		30
Perfluorononanesulfonic Acid (PFNS)	119		-		55-140	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	103		-		65-155	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		70-155	-		30
Perfluorodecanesulfonic Acid (PFDS)	109		-		40-155	-		30
Perfluorooctanesulfonamide (PFOSA)	97		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		-		65-165	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		70-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1979637-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	110		-		65-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	112		-		65-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	107		-		70-145	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	111		-		70-160	-		30
Perfluorododecanesulfonic Acid (PFDoS)	115		-		25-160	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	115		-		70-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	125		-		45-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	110		-		70-155	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	103		-		70-140	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	109		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	102		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	100		-		30-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	94		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	105		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	99		-		60-155	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	94		-		45-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	79		-		60-130	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	103		-		60-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1979637-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	69				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	71				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	71				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	71				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	60				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	72				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	71				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	67				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	77				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	78				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	73				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	86				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	94				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	76				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	83				15-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1979637-3								
Perfluorobutanoic Acid (PFBA)	105		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	110		-		60-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		65-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	107		-		60-150	-		30
Perfluorohexanoic Acid (PFHxA)	113		-		65-140	-		30
Perfluoropentanesulfonic Acid (PFPeS)	113		-		55-160	-		30
Perfluoroheptanoic Acid (PFHpA)	115		-		65-145	-		30
Perfluorohexanesulfonic Acid (PFHxS)	103		-		60-150	-		30
Perfluorooctanoic Acid (PFOA)	113		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		55-200	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	111		-		65-155	-		30
Perfluorononanoic Acid (PFNA)	102		-		70-155	-		30
Perfluorooctanesulfonic Acid (PFOS)	110		-		65-160	-		30
Perfluorodecanoic Acid (PFDA)	114		-		70-155	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	117		-		70-150	-		30
Perfluorononanesulfonic Acid (PFNS)	122		-		55-140	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	115		-		65-155	-		30
Perfluoroundecanoic Acid (PFUnA)	106		-		70-155	-		30
Perfluorodecanesulfonic Acid (PFDS)	126		-		40-155	-		30
Perfluorooctanesulfonamide (PFOSA)	102		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		65-165	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		70-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1979637-3								
Perfluorotridecanoic Acid (PFTrDA)	111		-		65-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	122		-		65-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	113		-		70-145	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	122		-		70-160	-		30
Perfluorododecanesulfonic Acid (PFDoS)	122		-		25-160	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	124		-		70-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	133		-		45-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	113		-		70-155	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	112		-		70-140	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	118		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	107		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	104		-		30-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	104		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	109		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	96		-		60-155	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	102		-		45-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80		-		60-130	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	96		-		60-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1979637-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	82				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	89				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	72				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	92				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	74				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	91				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	91				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	99				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	96				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	84				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	100				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	103				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	83				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	94				15-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07-09 Batch: WG1983641-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	124		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	117		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	125		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	125		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	136		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	**146**	Q	-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	119		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	131		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	145		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	140		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	126		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	126		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	140		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	128		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	129		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	123		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	128		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	127		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	126		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	125		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		-		70-145	-		30
Perfluorododecanoic Acid (PFDoA)	126		-		70-140	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07-09 Batch: WG1983641-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	132		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	138		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	127		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	118		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	141		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	135		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	128		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	128		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	117		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	120		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	123		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	121		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	130		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	126		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	111		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	130		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	96		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	96		-		50-145	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07-09 Batch: WG1983641-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	107				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	94				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	78				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	67				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	87				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	81				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	100				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	84				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	72				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	74				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	89				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	86				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07-09 Batch: WG1983641-3								
Perfluorobutanoic Acid (PFBA)	112		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	119		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	117		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	116		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	130		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	121		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	116		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	116		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	115		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	107		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	118		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	106		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	136		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	113		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	121		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	116		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	114		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	111		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		70-145	-		30
Perfluorododecanoic Acid (PFDoA)	114		-		70-140	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07-09 Batch: WG1983641-3								
Perfluorotridecanoic Acid (PFTrDA)	123		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	118		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	117		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	110		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	129		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	119		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	131		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	105		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	106		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	107		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	108		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	108		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	118		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	127		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	117		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	118		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	93		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	85		-		50-145	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07-09 Batch: WG1983641-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	96				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	107				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	99				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	82				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	91				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	105				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	65				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	96				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	96				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	115				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	102				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	79				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	84				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	101				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	101				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1984772-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	97		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	106		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	94		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	114		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	120		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	105		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	103		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	108		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	96		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	86		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	109		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	92		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	90		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	105		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		-		70-145	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		70-140	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1984772-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	113		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	99		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	125		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	112		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	106		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	112		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	89		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	83		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	99		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	99		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	93		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	98		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	97		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	115		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	87		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	84		-		50-145	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1984772-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	97				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	121				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	109				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	105				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	101				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	94				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	96				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	81				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	93				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	74				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	96				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	108				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	97				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	88				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	93				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	104				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	107				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1984772-3								
Perfluorobutanoic Acid (PFBA)	105		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	103		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	108		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	108		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	118		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	109		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	106		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	105		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	108		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	114		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	97		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	103		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	109		-		70-145	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		70-140	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1984772-3								
Perfluorotridecanoic Acid (PFTrDA)	119		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	107		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	112		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	99		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	107		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	115		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	119		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	96		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	100		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	106		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	107		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	103		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	107		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	120		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	102		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	112		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	87		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	88		-		50-145	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COVENTRY COMMONS

Project Number: W96 007 004

Lab Number: L2454132

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1984772-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	99				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	120				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	108				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	97				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	102				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	107				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	74				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	72				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	70				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	90				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	93				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	96				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	86				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	88				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	99				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	101				10-130

INORGANICS
&
MISCELLANEOUS

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-01
Client ID: SB-201
Sample Location: Not Specified

Date Collected: 09/19/24 09:26
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	87.8		%	0.100	0.100	1	-	09/24/24 07:57	121,2540G	GRS

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-02
Client ID: SB-202
Sample Location: Not Specified

Date Collected: 09/19/24 10:24
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	83.6		%	0.100	0.100	1	-	09/24/24 07:57	121,2540G	GRS

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-03
Client ID: SB-203
Sample Location: Not Specified

Date Collected: 09/19/24 09:45
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	86.6		%	0.100	0.100	1	-	09/24/24 07:57	121,2540G	GRS

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-04
Client ID: SB-204
Sample Location: Not Specified

Date Collected: 09/19/24 10:45
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	94.0		%	0.100	0.100	1	-	09/24/24 07:57	121,2540G	GRS

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-05
Client ID: SB-205
Sample Location: Not Specified

Date Collected: 09/19/24 11:15
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	85.5		%	0.100	0.100	1	-	09/24/24 07:57	121,2540G	GRS

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

SAMPLE RESULTS

Lab ID: L2454132-06
Client ID: SB-206
Sample Location: Not Specified

Date Collected: 09/19/24 11:40
Date Received: 09/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	84.4		%	0.100	0.100	1	-	09/24/24 07:57	121,2540G	GRS

Lab Duplicate Analysis
Batch Quality Control

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1975427-1 QC Sample: L2454152-14 Client ID: DUP Sample						
Solids, Total	76.9	78.7	%	2		10

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2454132-01A	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		A2-NY-1633(90)
L2454132-01B	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		A2-TS(7)
L2454132-02A	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		A2-NY-1633(90)
L2454132-02B	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		A2-TS(7)
L2454132-03A	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		A2-NY-1633(90)
L2454132-03B	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		A2-TS(7)
L2454132-04A	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		A2-NY-1633(90)
L2454132-04B	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		A2-TS(7)
L2454132-05A	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		A2-NY-1633(90)
L2454132-05B	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		A2-TS(7)
L2454132-06A	Glass 250ml/8oz unpreserved	A	NA		5.3	Y	Absent		A2-NY-1633(90)
L2454132-06B	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		A2-TS(7)
L2454132-07A	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-07B	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-07C	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-08A	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-08B	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-08C	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-09A	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-09B	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)
L2454132-09C	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-NY-1633(28)

*Values in parentheses indicate holding time in days

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: COVENTRY COMMONS
Project Number: W96 007 004

Lab Number: L2454132
Report Date: 10/18/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	COVENTRY COMMONS	**Lab Number:**	L2454132
Project Number:	W96 007 004	**Report Date:**	10/18/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Project Number:	W96 007 004	**Report Date:**	10/18/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	COVENTRY COMMONS	**Lab Number:**	L2454132
Project Number:	W96 007 004	**Report Date:**	10/18/24

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

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NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/20/24

ALPHA Job #: L2454132

Client Information
Client: C&S ENGINEERS
Address: 499 COL ELEEN COLLINS BLVD.
Phone:
Fax:
Email: MAWALKER@CSCOS.COM

Project Information
Project Name: COVENTRY COMMONS
Project Location:
Project #: W96 007 004
(Use Project name as Project #)
Project Manager: MATT WALKER
ALPHAQuote #:

Turn-Around Time
Standard: ✓ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	A2-1633	TS	A2-1633	Sample Specific Comments	Total Bottle
54132-01	SB-201	9/19	926	SO	ST	X	X			2
-02	SB-202		1024	SO		X	X			2
-03	SB-203		945	SO		X	X			2
-04	SB-204		1045	SO		X	X			2
-05	SB-205		1115	SO		X	X			2
-06	SB-206		1140	SO		X	X			2
-07	MW-201		1517	W				X		3
-08	MW-202		1548	W				X		3
-09	MW-203		1450	W				X		3

Container Type: A P P
Preservative: A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/19 1733		9/19 1800
	9/19 1800		
	9-19-24		
	0400		9/20/24 2:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

9/20/24 0510
R Mendoza AAL 9/20/24 0710

R Mendoza AAL 9/20/24 0530