

January 27, 2025

Darby Group Companies c/o Theodore W. Firetog, Esq. 111 Thomas Powell Boulevard Farmingdale, New York 11735-2251

Mr. Robert Bellotti New York State Department of Environmental Conservation Division of Environmental Remediation Bureau A, Section B 12th Floor, 625 Broadway Albany, New York 12233-7015

Re: Investigation Report Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York 11570 NYSDEC Site Number: C130140A

Dear Mr. Firetog and Mr. Bellotti:

Pursuant to your letter dated July 15, 2024, conditionally approving the Investigation Work Plan prepared by EnviroTrac Ltd. (EnviroTrac) dated June 5, 2024 and submitted on June 17, 2024, EnviroTrac has prepared the following Investigation Report for the above-referenced Site.

Please do not hesitate to contact me if you have any questions.

Sincerely, *EnviroTrac Ltd.*

Jeffrey A. Bohlen, PG Principal Geologist

ec: Steven Berninger, NYSDOH

Background

The chlorinated solvent tetrachloroethylene (PCE) was first found in soil and groundwater at 80-100 Banks Avenue, Rockville Centre, NY (the Site), identified as Operable Unit I (OUI), NYSDEC BCP No. C130140, during a Phase II investigation performed in November 2003 by a potential purchaser. The PCE is believed to have been released between 1972 and 1978 when a textile company leased the 80 Banks Avenue parcel. Following the implementation of investigative and cleanup work phases, the remediation of OUI was completed under a modified Brownfield Cleanup Agreement (BCA) and a Certificate of Completion (COC) was signed on December 19, 2011. It is our understanding that the management of remaining contamination and groundwater treatment at OUI is ongoing in accordance with a NYSDEC approved Site Management Plan (SMP) dated November 4, 2011, by the current property owner.

Although Darby Group Companies, Inc. (Darby Group), did not cause the release of contaminants and did not own the property at OUI when releases occurred, an Order on Consent was executed by Darby Group with the NYSDEC on April 9, 2007 to investigate and potentially remediate contamination in groundwater in the adjacent off-site area to the south and west identified as Operable Unit II (OUII), NYSDEC Site No. C130140A.

Environmental Business Consultants (EBC), on behalf of Darby Group, conducted a Remedial Investigation (RI) for OUII and provided results in a report dated January 2015. That testing and subsequent investigations in OUII have been limited to the subsurface interval lying above a reported thick clay layer found at approximately 12 feet below land surface across the area. EBC developed recommendations based on results of their study that included the performance of chemical reagent injections as an Interim Remedial Measure (IRM) to reduce chlorinated volatile organic compound (CVOC) concentrations in groundwater in the hotspot area centered around MW11, along the eastern part of the entrance to Morgan Days Park. In accordance with a NYSDEC approved Work Plan, injections of sodium permanganate (NaMnO₄) reagent were performed on September 9 and 15, 2016. Results of the IRM were provided to the NYSDEC in a report prepared by EBC dated February 23, 2017.

The performance of a soil vapor intrusion (SVI) study was recommended by EBC for the building located at 51 Nassau Street and testing was conducted on March 30, 2016, in accordance with a NYSDEC approved work plan. Petroleum-related volatile organic compounds (VOCs) were detected at low concentrations within both the indoor and outdoor ambient air samples and were judged consistent with background levels. No CVOCs were detected within either of the indoor air samples or the outdoor ambient air sample. In addition to the air samples, a water sample was collected from the basement and no CVOCs were detected. Results were provided to the NYSDEC in a report dated April 7, 2016.

In January 2019, EnviroTrac on behalf of Darby Group, collected groundwater samples from monitoring wells MW2, MW11 and MW12 and results were provided to the NYSDEC in a report dated March 4, 2019. Semi-annual sampling of selected monitoring wells at OUII was recommended and subsequently performed. It should be noted that semi-annual sampling was temporarily suspended due to monitoring wells being



destroyed by a State of New York construction project. In response to severe flooding associated with Super Storm Sandy, New York State (NYS) Governor's Office of Storm Recovery implemented a regional flood control plan that included the installation of a sheet piling retaining wall (flood wall) along the boundary between OUI and OUII. As a result of the flood control project, monitoring wells MW1, MW2, MW11, MW12, MW13, and MW14 were destroyed. The destroyed monitoring wells were replaced as discussed in more detail below. This report provides data gathered during the most recent semi-annual testing and summarizes results of previous testing along with the data gathered from the implementation of the Investigation Work Plan.

Monitoring Well Replacements

From June 27 through June 29, 2022, an EnviroTrac representative was on-site to oversee the installation of replacement wells (MW1R, MW2R, MW11R, MW12R, MW13R, and MW14R) by Delta Well & Pump Co, Inc. of Ronkonkoma, New York on behalf of the NYS Governor's Office of Storm Recovery. The wells were later developed prior to the September 2022 groundwater sampling event.

In addition to replacing the monitoring wells, NYS Governor's Office of Storm Recovery agreed to have the well network professionally surveyed. A State subcontractor completed the well network survey but upon evaluation it was determined that the survey was completed incorrectly due to the manhole cover being surveyed rather than the top of well casing. EnviroTrac coordinated a separate professional well survey, on behalf of Darby, which was completed on January 23, 2023, by L.K. McLean Associates, P.C. of Hicksville, NY.

NYSDEC Request for an Additional Groundwater Flow Study and PFAS Sampling

In a letter dated April 15, 2024, the NYSDEC stated that recent quarterly groundwater results from the 2023 calendar year had reported historically high volatile organic compound (VOC) contamination in monitoring wells 2010-02D and 2010-03D at OUI after 13 years of remedial efforts. The cause or source of this increase required additional investigation, explanation, and remedial action.

The NYSDEC also required groundwater elevation measurements to be collected to determine the impact of the flood wall on the localized groundwater flow and to determine the source of recent elevated VOC contamination.

In addition, PFAS contaminants had historically been detected in OUII wells, downgradient of OUI. Therefore, the NYSDEC requested that a full PFAS analysis of all groundwater wells at OUI and OUII be conducted.



Scope of Work

On June 17, 2024, EnviroTrac submitted an Investigation Work Plan to NYSDEC to address the above concerns in the April 15, 2024, letter. The workplan outlined the tasks to be completed during the September 2024 semiannual sampling event and included the following:

Task 1 – Determine Groundwater Flow Path

Groundwater elevation readings were collected via manual gauge readings and data loggers at all OUII monitoring well locations (**Figure 1**). Data collection was coordinated with OUI to create a site-specific, localized groundwater flow contour map and a regional groundwater flow map using both OUI and OUII monitoring well data. The contour map was developed relative to a permanent surface structure, with data provided in a standard format (e.g., North American Datum 83 [NAD83]) for review. The groundwater elevation study covered both OUI and OUII to determine the impact of the flood wall installed between these units has on groundwater flow and assessed whether it is causing observed increases in dissolved VOC concentrations.

Task 2 – PFAS, PFOA & 1,4 Dioxane Sampling

In addition to VOC sampling during the September 2024 semiannual sampling event, groundwater samples were collected from monitoring wells [MW1R, MW2R, MW3, MW4, MW6 through MW9, MW11R, MW12R, MW13R, and MW14R] for analysis of emergent compounds: per- and polyfluoroalkyl substances (PFAS), perfluorooctanoic acid (PFOA), and 1,4 dioxane.

All samples analyzed for PFAS, PFOS, and 1,4 Dioxane were collected using low-flow procedures with non-Teflon tubing and sampling equipment. PFAS analysis used USEPA Method 1633. A minimum of one blind duplicate, one matrix spike (MS), and one matrix spike duplicate (MSD) were collected during the groundwater sampling event.

Groundwater Flow Study

A previous groundwater flow study was performed by EnviroTrac in May-June 2020 to determine if operation of the garage water collection sump (SUMP) installed at the OUI property provides hydraulic control (or capture) of shallow groundwater and if the hydraulic control meets the purpose of, and can be a substitute for, the groundwater extraction wells described in the NYSDEC approved Site Management Plan (SMP), dated November 4, 2011. Notably, the 2020 study was limited to the OUI setting.

Findings included the following.

1. Geologic findings documented that a confining clay was observed at approximately 15 to16 feet below ground surface (ft. bgs.) This clay represents the base of the shallow aquifer locally. In contrast, observations adjacent to the SUMP found recycled concrete aggregate (RCA) extending approximately 19 ft.



below the garage floor (about 25 ft. bgs.), thus confirming that clay was excavated during site construction and/or prior remedial activities.

- 2. During non-rainfall events the SUMP was found to operate approximately 12 hours a day (alternating on and off every 30 minutes or so). The operation demonstrates that the SUMP was collecting and drawing in groundwater from the shallow aquifer and depressing the water table locally.
- 3. Over 4,000 water-level measurements were collected from nearby piezometers and the SUMP over the month-long study. Results showed that groundwater, both shallow (at the water table) and deep (above the clay) is being controlled by the SUMP. Calculated groundwater velocities, both horizontal and vertical, further supported this conclusion.
- 4. Finally, the results of the 2020 study demonstrated that SUMP operations provided hydraulic control of the shallow water bearing zone and it was concluded based on results of the testing that operation of the SUMP satisfied the purpose of the groundwater extraction wells as set forth in the NYSDEC approved SMP in the monitored area.

After the 2020 study and in response to the effects of 2012's Superstorm Sandy, a regional passive flood control system was installed that includes a wall structure (comprised of watertight sheet piling) located just to the west of the OUI property that extends to the south and north. **Figure 2** provides a cross section pertaining to the flood wall in the area to the north of the flood gate. The wall structure at that location is keyed into the clay that provides the base of the shallow water-bearing zone.

The NYSDEC issued joint correspondence dated April 15, 2024, to representatives of the on-site (OUI) and off-site (OUII) properties. The NYSDEC brought forth concerns that the installation of the flood wall may have changed the flow path of shallow groundwater and the conceptual site model of the on-site and off-site properties. The NYSDEC also provided specific concerns and requests pertaining to each of the properties, portions of those which pertain to the groundwater flow path topic are provided below.

C130140 (On-site OUI)

NYSDEC requires you to coordinate groundwater elevation measurements to determine the impact of the flood wall on the localized groundwater flow and to determine the source of recent elevated VOC contamination.

C130140A (Off-site OUII)

Increases in contaminant concentrations have been reported in the upgradient portions of your site, specifically wells MW-11R, MW-12R, MW-13R and MW-14R. Down gradient wells (MW-1R, MW-2R, MW-3, MW-4) do not show any increase in contamination, raising concerns as to where the contamination is flowing. Due to the shallow depth of contamination, NYSDEC believes that a site component (flood wall, water main, utility



line, etc.) may be providing a preferential pathway for the contaminated groundwater, potentially bypassing the downgradient wells. Determine the cause of this increase in contamination and the flow path this contaminated groundwater is taking as it proceeds down gradient.

2024 Groundwater Flow Study Methodology

A study was conducted through the coordination of an EnviroTrac/Laurel Environmental Geosciences, D.P.C. (Laurel) team in response to the NYSDEC comments pertaining to groundwater flow at the combined on-site/off-site setting. The study was initiated on August 28, 2024, through manual depth to water measurements and installation of digital data loggers in selected monitoring wells at on-site and off-site locations. The loggers were programmed to record both groundwater pressure and temperature data at prescribed short-duration intervals. The loggers were subsequently removed from the wells on September 30, 2024, and downloaded for processing and analysis. Finally, a synoptic round of water level measurements was recorded on October 24 to conclude the data collection phase of the study.

Monitoring wells utilized in the on-site setting included PZ-SUMP, PZ-02, PZ-03, PZ-04, PZ-05, PZ-06D, MW2010-01, MW2010-02 and MW2010-04. Those where data loggers were deployed included PZ-SUMP, PZ-02, PZ-03, MW2010-01 and MW2010-04.

Monitoring wells utilized in the off-site setting included MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-1R, MW-2R, MW-11R, MW-12R, MW-13R and MW-14R. Those where data loggers were deployed included MW-9, MW-1R, MW-2R, MW-11R, MW-12R, MW-13R, MW-14R and PZ-01.

Laurel recorded operational data for the groundwater extraction SUMP located in the onsite garage to document on (pumping) and off (non-pumping) status during the testing period.

The following tasks were conducted following removal of the data loggers from the monitoring wells on September 30, 2024.

- 1. The gathered manual depth to water data and data logger information were summarized in tabular format to initiate analysis.
- 2. The EnviroTrac/Laurel data loggers were downloaded, corrected for ambient barometric pressure changes that occurred during the testing period and then converted to water table elevations.
- 3. Groundwater elevation and temperature charts were prepared for the gathered logger data.
- 4. Data gathered by EnviroTrac and Laurel were exchanged for use in reporting.
- 5. A publicly available precipitation record was obtained for use in assessing ground water elevation changes due to rainfall during the study.



- 6. The resultant information was reviewed and several temporal data points during the testing were selected to conduct groundwater flow mapping. The mapping also included use of manual data gathered immediately following logger retrieval.
- 7. Laurel used the Golden Software computer program Surfer to prepare groundwater contour simulations for selected dates.
- 8. The computer-generated simulations were reviewed and subsequently used to prepare refined mapping that captured effects of Site features that may influence/control groundwater flow (e.g., the flood control wall) that were not considered in the computer simulations. The refined mapping also corrected for boundary area contouring errors evident in the Surfer output.

Results

Table 1 provides a summary of data and information pertaining to the 2024 groundwater flow study including manual water level measurements and calculated groundwater elevations, data logger programming and deployment/retrieval dates.

Figure 3 depicts precipitation recorded at the nearby JFK International Airport produced by the National Oceanographic and Atmospheric Administration (NOAA) for the period of the flow study when data loggers were installed and including one (1) week prior to their deployment.

Attachments 1 and **2** provide groundwater elevation and temperature charts for the wells in the on-site and off-site settings where data loggers were installed. **Figure 4** shows compiled groundwater elevations for those off-site wells.

Figure 5 shows groundwater elevations for on-site monitoring well PZ-SUMP. In addition to elevation data, the operational record for the extraction sump in the garage and dates that were selected for development of groundwater contour mapping are depicted. The selected dates shown include August 28, September 5, and September 11.

Attachment 3 provides results of computer-generated groundwater elevation contouring simulations. In addition to the simulations selected for dates noted on **Figure 5**, a simulation using a synoptic round of data gathered on October 24, 2024, by the EnviroTrac/Laurel team was performed.

Figures 6 through **9** show inferred groundwater flow patterns across the combined onsite/off-site setting that were prepared based on the results of the computer simulations and from information gathered during the study.

2024 Groundwater Flow Study Findings

Results of the 2024 groundwater flow study revealed four (4) areas within the combined on-site and off-site properties that display unique characteristics vis a vis groundwater flow and their potential influence on plume migration. In general, the observed hydraulic gradients and resultant groundwater flow pattens across the combined monitored area



are complicated and rapidly changeable over short time periods due to a variety of reasons including, but not necessarily limited to, the performance of the on-site extraction SUMP, the flood wall, underground utilities, soil disturbances associated with the redevelopment of the on-site property, other subsurface features and tidal effects. Therefore, the use of any single synoptic set of groundwater elevation measurements to project flow patterns over time and develop conclusions regarding plume migration potential should consider these factors.

Area 1 - On-site wells PZ-SUMP, PZ-02, PZ-03, PZ-04, PZ-05, PZ-06D, MW2010-01, MW2010-02. Comprises most of the monitored on-site area (see Area 3 below).

Results of the 2024 study are consistent with those developed in 2020 within this area. Based on the prior testing EnviroTrac concluded that the operation of the SUMP provides hydraulic control of the shallow aquifer on-site within the monitored area and prevents off-site migration of CVOC impacted groundwater within that area. It was also concluded that operation of the SUMP in its current configuration satisfied the purpose of the prior groundwater extraction wells noted in the NYSDEC-approved SMP by providing hydraulic control and preventing impacted groundwater (i.e., that is above the criteria for discontinuance of the extraction wells) from leaving the site. Those prior conclusions remain valid based on the 2024 testing. The groundwater elevation profiles shown on **Figures 3** and **4** show the impact to flow direction under conditions of the SUMP operating (i.e., pumping water) and not operating. The results show that if the SUMP is inactive for a prolonged period off-site groundwater flow/ plume migration could occur.

Area 2 - Off-site wells MW-1R, MW-2R, MW-12R, MW-13R and MW-14R. Comprises the area located north of Nassau Street and west of the flood wall.

The flood wall on the eastern side of this area is conceived as a barrier to east-west groundwater flow (i.e., a no flow boundary). In accordance with that conceptual model, it can be concluded that the wells noted above are not located within the capture zone of the extraction SUMP. The general direction of groundwater flow was found to be southward. However, wells located in the southern portion of the area near the Flood Gate (MW-2R, and MW-11R nearby in Area 3) revealed high frequency (~6-hour) groundwater elevation oscillations that may at times stagnate or temporarily reverse flow potential locally based on the results provided in Attachment 1. Several of the wells in the northern portion of the area also revealed evidence of the oscillation phenomenon although at much lower amplitude. MW-1R and MW-2R also exhibited short-term oscillations in groundwater temperature similar in frequency to the elevation oscillations, the former at much lower amplitude. Based on the data gathered the source/cause of the groundwater elevation/temperature oscillatory phenomenon could not be determined. However, the area includes known underground utilities that may provide preferential groundwater flow pathways and serve as conduits for the propagation of tidal effects based on the frequency of the oscillatory responses and geographic setting.

Area 3 - Off-site wells MW-11R, PZ-01, MW-9 and on-site well MW2010-04. Comprises the area adjacent to, and on the north and south sides of, Nassau Street.

Logger data revealed the presence of groundwater elevation oscillations in well MW-11R that were observed in several of the wells in Area 2, as discussed above. Monitoring well



MW-9 also revealed this phenomenon. Unlike well MW-2R the associated groundwater temperature records did not reveal any oscillations in these wells. Data logger results suggest that the MW2010-04 location is within the capture zone of the extraction SUMP while PZ-01 may be, at times, within the capture zone or near the stagnation point. Notably only two manual depths to water measurements were made at PZ01 during the testing period and as such a conclusive assessment of flow patterns at that location cannot be made at this time. Monitoring wells MW-11R and MW-9 are likely not within the hydraulic influence of the extraction sump based on the testing results. The western portion of Nassau Street includes known underground utilities that may serve as conduits for preferential groundwater flow and may be related to the water level oscillatory phenomenon observed in wells MW-11R and MW-9.

Area 4 - Off-site, wells MW-3, MW-4, MW-6, MW-7, and MW-8. Comprises the area south of Nassau Street in the vicinity of the MTA Bus Garage.

Groundwater flow within this area was found to trend northward toward the western portion of Nassau Street (based on results of MW-9, see Area 3) and westward toward the Smith Pond waterway.

Sampling Event Procedures

EnviroTrac personnel reported to the Site on August 28, 2024, to take groundwater elevation readings via manual gauging and install data loggers in the monitoring wells [MW1R, MW2R, MW9, MW11R, MW12R, MW13R, and MW14R].

On September 30 and October 1, 2024, EnviroTrac returned to remove the data loggers, collect additional groundwater elevation readings via manual gauging, and sample the monitoring wells (MW1R, MW2R, MW3, MW4, MW6 through MW9, MW11R, MW12R, MW13R, and MW14R). MW10 was not located and is believed to have been destroyed.

Groundwater samples were collected using laboratory-supplied glassware and submitted to SGS EHS North America (SGS) in Dayton, NJ for laboratory analysis of VOCs using USEPA Method 8260. The sample set included a trip blank (TB), a blind field duplicate (FD), and matrix spike and matrix spike duplicates (MS/MSD) samples for quality assurance (QA). SGS reported the laboratory results in a NYSDEC Category B Deliverables format. Environmental Data Services Inc. (EDS), based in Palm Beach Gardens, Florida, subsequently prepared a data usability summary report (DUSR).

In accordance with the Site Investigation Work Plan, EnviroTrac outlined procedures to sample the OUII monitoring well network for PFAS, PFOS, and 1,4 Dioxane. EnviroTrac returned to the Site on October 24, 2024, to perform groundwater elevation readings via manual gauging in collaboration with Laurel and sample monitoring wells MW1R, MW2R, MW3, MW4, MW6 through MW9, MW11R, MW12R, MW13R, and MW14R for laboratory analysis of PFAS, PFOA, and 1,4 Dioxane.

Groundwater samples were collected using PFAS-free laboratory-supplied glassware and bottles provided by York Analytical Laboratories (York) in Stratford, CT. Samples were submitted to York for laboratory analysis of PFAS, PFOA, and 1,4 Dioxane using



USEPA Methods 1633 and 3535A, respectively. QA samples were also collected during the sampling event and included Field Blank and MS/MSD samples. York reported the laboratory results in a NYSDEC Category B Deliverables format. EDS subsequently prepared a DUSR.

Groundwater Monitoring Well Gauging Results

Table 2a presents all groundwater gauging data from September 2022 to October 2024, which includes gauging following the installation of the flood wall in January 2019 and the resurveying of the replacement monitoring wells (MW1R, MW2R, MW3, MW4, MW6 through MW9, MW11R, MW12R, MW13R, and MW14R) in January 2023.

Table 2b presents all historic groundwater gauging data collected prior to September 2022. **Figures 6** through **9** depicts groundwater contours derived from the water level data collected on August 28, 2024, September 5 and 24, 2024, and October 24, 2024.

Groundwater Monitoring Well Sampling Results

The EDS DUSRs presents results of third-party review of the laboratory reporting and is provided as **Attachment 4**. There were no data rejections, and all results were deemed usable in accordance with any applied data quality indicators. Validated laboratory results for the September 2024 sampling event are provided in **Table 3**.

A summary of historic CVOC results is provided in **Table 4**. The total CVOCs for the perimeter wells are summarized below.

			Well Name	
Date	MW11	MW12	MW13	MW14
10/18/2013	7,158	495	459.2	381.1
3/26/2014	16,546	378.8	631.6	560
10/29/2014	5,199.2	221.2	357.3	1,096.6
6/3/2016	1,686.1	177.1	Not measured	Not measured
10/27/2016	80	2,582.5	Not measured	Not measured
11/30/2016	251.4	1,503.9	Not measured	Not measured
12/30/2016	1,023	329.4	Not measured	Not measured
6/29/2017	7,876	130.3	Not measured	Not measured
4/23/2018	8,036.6	1,578.4	Not measured	Not measured
1/10/2019	936.1	1,805.8	Not measured	Not measured
7/31/2019	1,876.7	662.6	617.0	658.1
1/31/2020	1,833	200.7	1,096.1	487.3
7/28/2020	3,960.6	312.9	815.0	14.3
1/18/2021	4,611.7	21.3	531.7	1,729.3
9/9/2021	426.8	232.3	Could not locate	12.4
9/6/2022	*	*	*	*



Date	MW11R	MW12R	MW13R	MW14R
9/7/2022	473.1	99.9	637.9	2,450.1
3/21/2023	8.6	53.09	305.2	1,729
9/19/2023	205.8	46.6	653.88	5,611.1
3/27/2024	866.1	16.5	309.5	1,684.4
9/30-10/1/2024	76.74	26	332.7	2,016.4

* = Replacement well installed.

Table 5 provides a summary of PFAs & 1,4-Dioxane in groundwater. The total PFAs and 1,4 Dioxane for the perimeter wells are summarized below.

			Well Name							
Date	Compound	MW11R	MW12R	MW13R	MW14R					
10/24/2024	1,4 Dioxane	ND	ND	ND	ND					
10/24/2024	Total PFAs	85.86	37.32	64.43	158.93					

Figures 10 through **14** provide concentrations for PCE, trichloroethene (TCE), 1,2dichloroethene (1,2-DCE), and vinyl chloride (VC) in wells MW2/MW-2R, MW11/MW-11R, MW12/MW-12R, MW13/MW-13R and MW14/MW-14R during the period November 2011 to September 2024. **Figure 15** provides a summary of total CVOC results in those wells for the same period.

Findings and Conclusions

Groundwater Flow Study

The 2024 Groundwater Flow Study showed similar results to the 2020 Groundwater Flow Study. For Area 1 on-site wells, the 2020 and 2024 groundwater flow study results showed that the operation of the SUMP provides hydraulic control of the shallow aquifer on-site within the monitored area and prevents off-site migration of CVOC impacted groundwater within that area. Based on the 2020 and 2024 groundwater flow study results, the operation of the SUMP in its current configuration satisfies the purpose of the prior groundwater extraction wells noted in the NYSDEC-approved SMP by providing hydraulic control and preventing impacted groundwater (i.e., that is above the criteria for discontinuance of the extraction wells) from leaving the site. Additionally, the recently installed flood wall constructed of liquid tight sheet piling provides additional hydraulic control and prevents impacted groundwater from leaving the site, creating a barrier between OU I and OU II.

For Area 2 off-site wells, due to the flood wall installation, these wells were shown to not be within the capture zone of the SUMP; however, elevation/temperature oscillations were reported for some wells in this area. The reason for these oscillations could not be determined. However, the area includes known underground utilities that may provide preferential groundwater flow pathways and serve as conduits for the propagation of tidal effects based on the frequency of the oscillatory responses and geographic setting.



For Area 3, two (2) wells (MW2010-04 & PZ-01) were shown to be within the capture zone of the SUMP and two (2) wells (MW-9 & MW-11R) were shown to be located outside the capture zone of the SUMP. The wells not within the capture zone of the SUMP also showed elevation oscillations similar to the wells in Area 2. The groundwater flow direction for Area 3 wells is likely to flow along the nearby subsurface utility conduits toward the Smith Pond. For Area 4 off-site wells, groundwater was shown to not be within the capture zone of the SUMP and generally flows to the north and west towards Nassau Street and Smith Pond. Based on the 2024 Groundwater Flow Study, the SUMP should continue to operate to prevent off-site migration of CVOCs in groundwater.

Groundwater Quality

The September 2024 groundwater sampling event represents the fifth sampling event of the newly installed replacement wells. **Table 4** includes historic data from the original wells and current data from the replacement wells. When compared, the results of MW1R, MW2R, MW11R, MW12R, and MW13R conform with historic data. The flood wall was installed in the summer of 2021 and the replacement wells were installed in June 2022. The replacement wells were first sampled in September of 2022 and the concentration of CVOCs has generally declined since that time. As such, the cause for CVOC concentration variations is attributed to ground disturbances associated with the installation of the flood wall in 2021 and the placement of the replacement wells relative to their former locations. Additionally, the latest sampling event indicated isolated levels of CVOCs are present at wells along the flood wall (MW13R and MW14R) and downgradient/surrounding monitoring wells are comparatively low to non-detect. Given that the flood wall is acting as a barrier (cut off wall) between OUI and OUII, it is EnviroTrac's professional opinion that these isolated levels of CVOCs will continue to diminish overtime through natural degradation.

Recommendations

Operation of the SUMP at OUI in its current configuration should continue and satisfies the purpose of the prior groundwater extraction wells noted in the NYSDEC-approved SMP by providing hydraulic control and preventing impacted groundwater (i.e., that is above the criteria for discontinuance of the extraction wells) from leaving the site. Additionally, the recently installed flood wall constructed of liquid tight sheet piling provides additional hydraulic control and further prevents impacted groundwater from leaving OUI, creating a barrier between OU I and OU II.

To determine the need for continued semi-annual testing, groundwater sampling should be conducted for the next scheduled event in March 2025 to evaluate natural degradation/asymptotic levels of CVOCs and closure of OUII from the NYSDEC. Recommended wells to be gauged and sampled for VOCs via USEPA 8260 should include MW1R, MW2R and MW11R through MW14R.

PFAS and 1,4-Dioxane sampling should be discontinued since the Site is not a reported site for the storage of PFAS and the groundwater monitoring results show similar levels across the Site indicating that this is the overall background concentrations for the region.



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Figures

































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Tables



Table 1 80 & 100 Banks Avenue, Rockville Centre, New York 2024 Water Level Study OUII Parcel

					Data Logger Programming					
Well Name	Well Depth (ft)	Casing Diam (in)	Data Type	MP Elev (ft)	Serial # (1)	Program Date	Start Date	Start Time	Frequency	
MW-1R	14.73	2	WL Log	8.34	20796718	26-Aug	28-Aug	9:00 AM	15 min	
MW-2R	14.81	2	WL Log	8.80	20796719	26-Aug	28-Aug	9:00 AM	15 min	
MW-11R	14.56	2	WL Log	9.17	20796720	26-Aug	28-Aug	9:00 AM	15 min	
MW-12R	15.05	2	WL Log	9.49	20796721	26-Aug	28-Aug	9:00 AM	15 min	
MW-13R	14.09	2	WL Log	9.22	20796722	26-Aug	28-Aug	9:00 AM	15 min	
MW-14R	13.26	2	WL Log	9.19	20796723	26-Aug	28-Aug	9:00 AM	15 min	
MW-9	15.25	2	WL Log	10.11	20796729	26-Aug	28-Aug	9:00 AM	15 min	
MW-12R	15.05	2	Baro Log (2)	9.49	20796730	26-Aug	28-Aug	9:00 AM	15 min	
MW-3	14.01	1	WL Gauge	9.27	No Logger	NA	NA	NA	NA	
MW-4	13.74	1	WL Gauge	10.09	No Logger	NA	NA	NA	NA	
MW-5	5.55	1	WL Gauge	10.67	No Logger	NA	NA	NA	NA	
MW-6	13.88	1	WL Gauge	11.31	No Logger	NA	NA	NA	NA	
MW-7	14.00	1	WL Gauge	11.82	No Logger	NA	NA	NA	NA	
MW-8	14.05	1	WL Gauge	12.53	No Logger	NA	NA	NA	NA	

_	Data Logger Depl	oyment and Water I	evel Gauging		
Well Name	Date	Deploy Time	WL Time	DTW (ft)	WL Elev (ft)
MW-1R	28-Aug	8:22 AM	8:16 AM	3.61	4.73
MW-2R	28-Aug	8:12 AM	8:05 AM	4.51	4.29
MW-11R	28-Aug	9:44 AM	9:28 AM	5.13	4.04
MW-12R	28-Aug	9:08 AM	8:57 AM	4.73	4.76
MW-13R	28-Aug	8:49 AM	8:40 AM	4.21	5.01
MW-14R	28-Aug	8:36 AM	8:28 AM	4.05	5.14
MW-9	28-Aug	9:55 AM	9:49 AM	6.44	3.67
MW-12R	28-Aug	9:09am	NA	NA	NA
MW-3	28-Aug	NA	11:02 AM	5.59	3.68
MW-4	28-Aug	NA	10:45 AM	6.32	3.77
MW-5	28-Aug	NA	10.32 AM	NM	NA
MW-6	28-Aug	NA	10.25 AM	6.86	4.45
MW-7	28-Aug	NA	10.17 AM	6.68	5.14
MW-8	28-Aug	NA	10:22 AM	6.99	5.54

	Data Logger Retri	ieval and Water Lev	el Gauging	ta Logger Retrieval and Water Level Gauging									
Well Name	Date	WL Time	Retrieve Time	DTW (ft)	WL Elev (ft)	Date	DTW (ft)	WL Elev (ft)					
MW-1R	30-Sep	9:27 AM	9:25 AM	4.77	3.57	24-Oct	3.96	4.38					
MW-2R	30-Sep	9:23 AM	9:21 AM	4.39	4.41	24-Oct	4.57	4.23					
MW-11R	30-Sep	9:39 AM	9:37 AM	5.03	4.14	24-Oct	5.16	4.01					
MW-12R	30-Sep	9:18 AM	9:16 AM	5.07	4.42	24-Oct	5.31	4.18					
MW-13R	30-Sep	9:35 AM	9:33 AM	4.40	4.82	24-Oct	4.78	4.44					
MW-14R	30-Sep	9:31 AM	9:29 AM	4.22	4.97	24-Oct	4.62	4.57					
MW-9	30-Sep	9:40 AM	9:38 AM	6.50	3.61	24-Oct	6.03	4.08					
MW-12R	30-Sep	NA	NA	NA	NA								
MW-3	30-Sep	11:08 AM	NA	5.46	3.81	24-Oct	5.58	3.69					
MW-4	30-Sep	11:11 AM	NA	6.20	3.89	24-Oct	6.44	3.65					
MW-5	30-Sep	11:20 AM	NA	NM	NA	24-Oct	NM	NA					
MW-6	30-Sep	11:22 AM	NA	7.03	4.28	24-Oct	7.26	4.05					
MW-7	30-Sep	11:24 AM	NA	7.10	4.72	24-Oct	7.26	4.56					
MW-8	30-Sep	11:27 AM	NA	7.47	5.06	24-Oct	7.68	4.85					

Notes:

MP - surveyed measuring point (top of PVC casing).

NA - Not applicable.

NM. - No measurement, suspect blockage in well.

(1) - Onset HOBO water level and temperature data logger.

(2) - Data logger used for barometric compensation set 1-foot below MP.

 Table 2a: Summary of Current Groundwater Elevation Measurements (post flood wall installation)
 Former Darby Drugs – OUII (Off-Site)

 Rockville Centre, New York
 NYSDEC BCP Number: C130140A

Well Name	MV	V1R	MV	V2R	М	W3	MW4		MW5	
MP ELEV	8.	34	8.	80	9.	27	10	.09	10	.67
Gauging Date	DTW	ELEV								
9/6/2022	4.02	4.32	4.70	4.10	CNL	-	6.41	3.68	CNL	-
1/23/2023	3.02	5.32	3.83	4.97	4.64	4.63	5.56	4.53	D	-
3/21/2023	4.19	4.15	3.60	5.20	5.20	4.07	6.00	4.09	D	-
9/19/2023	3.56	4.78	5.53	3.27	5.33	3.94	6.11	3.98	D	-
3/26/2024	2.74	5.60	3.64	5.16	4.42	4.85	5.06	5.03	4.89	5.78
8/28/2024	3.61	4.73	4.51	4.29	-	-	-	-	-	-
9/30/2024	4.77	3.57	4.39	4.41	5.46	3.81	6.20	3.89	D	-
Minimum	2.74	4.15	3.60	3.27	4.64	3.94	5.56	3.68	0.00	0.00
Average	3.51	4.64	4.26	4.54	4.90	4.37	5.83	4.26	4.89	5.78
Maximum	4.19	5.32	4.70	5.20	5.20	4.63	6.41	4.53	4.89	5.78

Well Name	M	W6	MW7		М	W8	М	W9	MW10	
MP ELEV	11	.31	11.82		12	.53	10	.77	CNL	
Gauging Date	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
9/6/2022	7.23	4.08	7.32	4.50	7.66	4.87	6.65	4.12	CNL	-
1/23/2023	6.41	4.90	6.38	5.44	6.74	5.79	6.84	3.93	CNL	-
3/21/2023	6.39	4.92	6.07	5.75	6.42	6.11	7.19	3.58	CNL	-
9/19/2023	7.01	4.30	7.07	4.75	7.37	5.16	7.14	3.63	WD	-
3/26/2024	5.13	6.18	4.82	7.00	5.09	7.44	6.56	4.21	WD	-
8/28/2024	-	-	-	-	-	-	4.05	6.72	-	-
9/30/2024	7.03	4.28	7.10	4.72	7.47	5.06	4.22	6.55	-	-
Minimum	5.13	4.08	4.82	4.50	5.09	4.87	4.05	3.58	-	-
Average	6.43	4.88	6.33	5.49	6.66	5.87	6.09	4.68	-	-
Maximum	7.23	6.18	7.32	7.00	7.66	7.44	7.19	6.72	-	-

Well Name	MW	/11R	MW	/12R	MW	/13R	MW	/14R	
MP ELEV	9.	17	9.	49	9.	22	9.19		
Gauging Date	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	
9/6/2022	5.28	3.89	5.30	4.19	4.78	4.44	4.54	4.65	
1/23/2023	4.44	4.73	4.37	5.12	3.65	5.57	3.58	5.61	
3/21/2023	4.75	4.42	4.83	4.66	4.31	4.91	4.17	5.02	
9/19/2023	5.11	4.06	4.79	4.70	4.19	5.03	4.03	5.16	
3/26/2024	4.11	5.06	3.77	5.72	3.14	6.08	2.89	6.30	
8/28/2024	5.13	4.04	4.73	4.76	4.21	5.01	4.05	5.14	
9/30/2024	5.03	4.14	5.07	4.42	4.40	4.82	4.22	4.97	
Minimum	4.11	3.89	3.77	4.19	3.14	4.44	2.89	4.65	
Average	4.74	4.43	4.61	4.88	4.01	5.21	3.84	5.35	
Maximum	5.28	5.06	5.30	5.72	4.78	6.08	4.54	6.30	

Notes:

MP ELEV - measuring point elevation (ft). DTW - depth to water (ft from measuring pont). ELEV - water level elevation (ft). WD - well destroyed. CNL - could not locate. D = Dry well. 1/23/2023 - OUII off-site wells were surveyed. Table 2b: Summary of Historical Groundwater Elevation Measurements (pre-flood wall installation) Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

Well Name	M	W1	M	W2	М	W3	M	W4	M	W5
MP ELEV	8.	28	8.	74	8.	96	9.	79	10.35	
Gauging Date	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
3/26/2014	3.10	5.18	4.39	4.35	4.66	4.30	5.46	4.33	5.81	4.54
1/10/2019	-	-	3.36	5.38	-	-	-	-	-	-
7/31/2019	CNL	-	3.60	5.14	-	-	-	-	-	-
9/13/2019	CNL	-	3.78	4.96	-	-	-	-	-	-
1/31/2020	CNL	-	3.54	5.20	CNL	-	5.61	4.18	WD	-
7/28/2020	CNL	-	4.01	4.73	CNL	-	6.08	3.71	WD	-
1/18/2021	CNL	-	3.74	5.00	CNL	-	5.73	4.06	WD	-
9/9/2021	CNL	-	dam	aged	CNL	-	5.32	4.47	WD	-
Minimum	3.10	5.18	3.36	4.35	4.66	4.30	5.32	3.71	5.81	4.54
Average	3.10	5.18	3.77	4.97	4.66	4.30	5.64	4.15	5.81	4.54
Maximum	3.10	5.18	4.39	5.38	4.66	4.30	6.08	4.47	5.81	4.54

Well Name	M	W6	M	W7	М	W8	М	W9	MV	V10
MP ELEV	10	.97	11	.53	11	.53	10	.82	10.13	
Gauging Date	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
3/26/2014	6.25	4.72	6.18	5.35	6.63	4.90	6.87	3.95	5.89	4.24
1/10/2019	-	-	-	-	-	-	-	-	-	-
7/31/2019	-	-	-	-	-	-	-	-	-	-
9/13/2019	-	-	-	-	-	-	-	-	-	-
1/31/2020	6.14	4.83	6.03	5.50	6.42	5.11	7.04	3.78	CNL	-
7/28/2020	6.80	4.17	7.08	4.45	7.12	4.41	7.42	3.40	CNL	-
1/18/2021	6.12	4.85	5.91	5.62	6.28	5.25	7.20	3.62	CNL	-
9/9/2021	5.76	5.21	5.34	6.19	5.72	5.81	6.65	4.17	CNL	-
Minimum	5.76	4.17	5.34	4.45	5.72	4.41	6.65	3.40	5.89	4.24
Average	6.21	4.76	6.11	5.42	6.43	5.10	7.04	3.78	5.89	4.24
Maximum	6.80	5.21	7.08	6.19	7.12	5.81	7.42	4.17	5.89	4.24

Well Name	MV	V11	MV	V12	MV	V13	MV	V14
MP ELEV	9.	48	9.87		10	.00	10.21	
Gauging Date	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
3/26/2014	4.61	4.87	4.06	5.81	3.71	6.29	3.21	7.00
1/10/2019	4.60	4.88	4.85	5.02	-	-	-	-
7/31/2019	4.83	4.65	5.21	4.66	5.32	4.68	5.80	4.41
9/13/2019	5.00	4.48	5.02	4.85	5.00	5.00	4.83	5.38
1/31/2020	4.80	4.68	5.15	4.72	5.26	4.74	5.17	5.04
7/28/2020	5.28	4.20	5.50	4.37	5.51	4.49	5.40	4.81
1/18/2021	4.93	4.55	4.97	4.90	4.93	5.07	4.61	5.60
9/9/2021	4.44	5.04	4.02	5.85	Cl	NL	3.30	6.91
Minimum	4.44	4.20	4.02	4.37	3.71	4.49	3.21	4.41
Average	4.81	4.67	4.85	5.02	4.96	5.05	4.62	5.59
Maximum	5.28	5.04	5.50	5.85	5.51	6.29	5.80	7.00

Notes:

MP ELEV - measuring point elevation (ft).

DTW - depth to water (ft from measuring pont).

ELEV - water level elevation (ft).

WD - well head damaged, steel cover cross-threaded.

CNL - cound not locate.

9/9/2021 - Final sampling date of MW1, MW2, MW11, MW12, MW13, & MW14 before they were destroyed.

Table 3: Summary of Groundwater Sampling Results - September 30 & October 1, 2024 Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

	NYSDEC															
COMPOUND	AWQS	MW3	MW4	MW6	MW7	MW8	MW9	TB	MW1R	MW2R	DUP	MW11R	MW12R	MW13R	MW14R	TB
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1.3	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone(MIBK)	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	10 U	10 U	10 U	10 U	10 U	4.7 J	10 U	10 U	10 U	10 U	10 U				
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	-	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4 J	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.8	1 U	1 U	84.6	117	443	774	1 U
cis-1,3-Dichloropropene	0.4*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	-	5 U	5 U	5 U	1.2 J	5 U	14.1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Freon 113	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	1 U	1 U	1 U	3.6 J	1 U	12.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tert Butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	-	5 U	5 U	5 U	1.9 J	5 U	19.7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	57.1	3	146	1,430	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	0.67 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.74 J	1.1	3	6.3	1 U
trans-1,3-Dichloropropene	0.4*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.4	6.6	180	560	1 U
Trichlorofluoromethane	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	10.6	18.3	3.7	20.1	1 U
Xylene (total)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs	-	ND	ND	ND	6.7	ND	54.1	ND	9.8	ND	ND	161.44	144.9	774	2 793 8	ND

Notes:

 Notes:

 (1) - duplicate of sample MW2R.

 TB - trip blank.

 AWQS: Ambient Water Quality Standard or Guidance Value (TOGS 1.1.1).

 Results and AWQS provided in micrograms per liter (ug/l).

 U - not detected relative to the indicated laboratory reporting limit (RL).

 L - extinct duration

J - estimated value.

Bold values indicate detections above the RL. Result exceeds the AWQS/Guidance Value.

Table 4: Summary of Historic Results - Detected Chlorinated Volatile Organic Compounds in Groundwater Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

	NYSDEC		M	W1		MW1R				
CVOC	AWQS	11/17/2011	10/18/2013	3/26/2014	10/29/2014	9/7/2022	3/22/2023	9/19/2023	3/27/2024	9/30/2024
1,1-Dichloroethene	5	ND	2	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	5.3	1,100	8.3	7.8	6.7	5.9	7.5	8.7	7.8
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	250	ND	1.1	25.8	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	4.7	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	340	3.2	1.2	3.1	ND	ND	ND	ND
Vinyl Chloride	2	ND	59	1.2	0.46	2.6	5.9	2.1	5.0	2.0
Total CVOCs	-	0	653.7	4.4	2.76	31.5	5.9	9.6	13.7	9.8

	NYSDEC		MW2									MW2R										
CVOC	AWQS	11/17/2011	10/18/2013	3/26/2014	10/29/2014	6/3/2016	10/27/2016	11/30/2016	12/30/2016	6/29/2017	4/23/2018	1/10/2019	7/31/2019	1/31/2020	7/28/2020	1/18/2021	9/9/2021	9/7/2022	3/22/2023	9/19/2023	3/27/2024	9/30/2024
1,1-Dichloroethene	5	ND	< 1	< 1	0.32	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		ND	ND	ND	ND	ND
Chlorobenzene	5	ND	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1		ND	ND	ND	ND	ND
Chloroform	7	ND	<1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1		ND	ND	ND	0.62 J	ND
Chloromethane	5	ND	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	130	18	110	3.2	7.5	2	1.4	8	2.9	3.6	5.5	1.9	2.4	1.9	Domogod	1.2	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	Damageu	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	3.9	1.3	0.56	0.71	0.76	0.58	1	0.5	0.41	< 1	< 1	< 1	< 1	< 1		12.9	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	2.4	< 5	1.9	< 5	< 5	< 5	< 5	0.28	< 5	< 5	0.36	< 1	< 1	< 1		ND	ND	ND	ND	ND
Trichloroethene	5	ND	7.6	< 1	1.3	0.51	1	0.46	0.5	0.81	0.35	0.27	< 1	< 1	< 1	< 1		1.3	ND	ND	ND	ND
Vinyl Chloride	2	ND	13	7.6	42	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.86	< 1	< 1	< 1		ND	ND	ND	ND	ND
Total CVOCs		0	26.9	8.9	45.76	1.22	1.76	1.04	1.5	1.59	0.76	0.27	1.22	0	0	0		14.2	0	0	0	0

	NYSDEC		MW3											
CVOC	AWQS	11/17/11	3/26/14	10/29/14	3/21/2023	9/19/2023	3/26/2024	9/30/2024						
1,1-Dichloroethene	5	ND	< 1	< 1	ND	ND	ND	ND						
1,2-Dichlorobenzene	3	ND	< 1	< 1	ND	ND	ND	ND						
Chlorobenzene	5	ND	< 1	< 5	ND	ND	ND	ND						
Chloroform	7	ND	< 5	< 5	ND	ND	ND	ND						
Chloromethane	5	ND	< 5	< 5	ND	ND	ND	ND						
cis-1,2-Dichloroethene	5	ND	< 1	< 1	ND	ND	ND	ND						
Dichlorodifluoromethane	5	ND	< 1	< 1	ND	ND	ND	ND						
Tetrachloroethene	5	ND	< 1	< 1	ND	ND	ND	ND						
trans-1,2-Dichloroethene	5	ND	< 5	< 5	ND	ND	ND	ND						
Trichloroethene	5	ND	< 1	< 1	ND	ND	ND	ND						
Vinyl Chloride	2	ND	< 1	< 1	ND	ND	ND	ND						
Total CVOCs	-	0	0	0	0	0	0	0						

	NYSDEC				MW4			
CVOC	AWQS	11/17/11	10/29/14	9/6/2022	3/21/2023	9/19/2023	3/26/2024	9/30/2024
1,1-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	< 1	ND	ND	ND	ND	ND
Chloroform	7	ND	< 1	ND	ND	ND	ND	ND
Chloromethane	5	ND	< 1	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	< 2	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	< 1	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Trichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	< 1	ND	ND	ND	ND	ND
Total CVOCs	-	0	0	0	0	0	0	0

 Notes:

 AW0SS: Ambient Water Quality Standard or Guidance Value (TOGS 1.1.1).

 Results and AW0S provided in micrograms per liter (ug/l).

 CVOC - chlorinated volatile organic compound.

 ND - not detected.

 < - not detected.</td>

 < - not detected.</td>

 Results and AW0S provided in micrograms per liter (ug/l).

 CVOC - chlorinated volatile organic compound.

 ND - not detected.

 Result accessed in the AW0S Guidance Value.

 Result accessed in the AW0S Guidance Value.

 Replacement wells (MV-#Rs) were installed in June 2022.

 All OUII off-tite wells were surveyed on 01/23/2023.

 Total CVOCs = the sum of select, bolded CVOCs (Tetrachloroethene, trans-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride).

Table 4: Summary of Historic Results - Detected Chlorinated Volatile Organic Compounds in Groundwater Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

	NYSDEC	MW5
CVOC	AWQS	11/17/11
1,1-Dichloroethene	5	ND
1,2-Dichlorobenzene	3	ND
Chlorobenzene	5	ND
Chloroform	7	ND
Chloromethane	5	ND
cis-1,2-Dichloroethene	5	ND
Dichlorodifluoromethane	5	ND
Tetrachloroethene	5	ND
trans-1,2-Dichloroethene	5	ND
Trichloroethene	5	ND
Vinyl Chloride	2	ND
Total CVOCs	-	0

	NYSDEC		MW6										
CVOC	AWQS	11/17/11	10/29/14	9/6/2022	3/21/2023	9/19/2023	3/26/2024	9/30/2024					
1,1-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND					
1,2-Dichlorobenzene	3	ND	0.16	ND	ND	ND	ND	ND					
Chlorobenzene	5	ND	0.41	0.97	0.57	0.64	ND	ND					
Chloroform	7	ND	< 1	ND	ND	ND	ND	ND					
Chloromethane	5	ND	< 1	ND	ND	ND	ND	ND					
cis-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND					
Dichlorodifluoromethane	5	ND	< 2	ND	ND	ND	ND	ND					
Tetrachloroethene	5	ND	< 1	ND	ND	ND	ND	ND					
trans-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND					
Trichloroethene	5	ND	< 1	ND	ND	ND	ND	ND					
Vinyl Chloride	2	ND	< 1	ND	ND	ND	ND	ND					
Total CVOCs	-	0	0	0	0	0.64	0	0					

	NYSDEC				MW7			
CVOC	AWQS	11/17/11	10/29/14	9/6/2022	3/21/2023	9/19/2023	3/26/2024	9/30/2024
1,1-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	0.55	< 1	ND	ND	ND	ND	ND
Chloroform	7	ND	< 1	ND	ND	ND	ND	ND
Chloromethane	5	ND	< 1	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	< 2	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	< 1	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Trichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	< 1	ND	ND	ND	ND	ND
Total CVOCs	-	0	0	0	0	0	0	0

	NYSDEC				MW8			
CVOC	AWQS	11/17/11	10/29/14	9/6/2022	3/21/2023	9/19/2023	3/26/2024	9/30/2024
1,1-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	< 1	ND	ND	ND	ND	ND
Chloroform	7	ND	< 5	ND	ND	ND	ND	ND
Chloromethane	5	ND	0.49	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	< 1	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	< 1	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	< 5	ND	ND	ND	ND	ND
Trichloroethene	5	ND	< 1	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	< 1	ND	ND	ND	ND	ND
Total CVOCs	-	0	0	0	0	0	0	0

 Notes:

 AW0SS: Ambient Water Quality Standard or Guidance Value (TOGS 1.1.1).

 Results and AW0S provided in micrograms per liter (ug/l).

 CVOC - chlorinated volatile organic compound.

 ND - not detected.

 < - not detected.</td>

 < - not detected.</td>

 Results and AW0S provided in micrograms per liter (ug/l).

 CVOC - chlorinated volatile organic compound.

 ND - not detected.

 Result accessed in the AW0S Guidance Value.

 Result accessed in the AW0S Guidance Value.

 Replacement wells (MV-#Rs) were installed in June 2022.

 All OUII off-tite wells were surveyed on 01/23/2023.

 Total CVOCs = the sum of select, bolded CVOCs (Tetrachloroethene, trans-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride).

Table 4: Summary of Historic Results - Detected Chlorinated Volatile Organic Compounds in Groundwater Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York

NYSDEC BCP	Number:	C130140A	
		NIVODEO	т

	NYSDEC						MW9					
CVOC	AWQS	10/18/13	10/29/14	1/31/2020	7/28/2020	1/18/2021	9/9/2021	9/6/2022	3/21/2023	9/19/2023	3/26/2024	9/30/2024
1,1-Dichloroethene	5	< 2	< 1	< 1	< 1	< 1	< 1	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	< 2	< 1	< 1	< 1	< 1	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	< 2	< 5	< 1	< 1	< 1	<1	ND	ND	ND	ND	ND
Chloroform	7	< 2	< 5	< 1	< 1	< 1	<1	ND	ND	ND	ND	ND
Chloromethane	5	< 2	< 5	< 1	< 1	< 1	< 1	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	< 2	< 1	< 1	< 1	< 1	< 1	ND	ND	0.63	ND	ND
Dichlorodifluoromethane	5	< 2	< 1	< 2	< 2	< 2	< 2	ND	ND	ND	ND	ND
Tetrachloroethene	5	< 2	< 1	< 1	< 1	0.91	<1	ND	ND	0.9	ND	ND
trans-1,2-Dichloroethene	5	< 2	< 5	< 1	< 1	< 1	< 1	ND	ND	ND	ND	ND
Trichloroethene	5	< 2	< 1	< 1	< 1	< 1	< 1	ND	ND	0.68	ND	ND
Vinyl Chloride	2	< 2	< 1	< 1	< 1	< 1	<1	ND	ND	ND	ND	ND
Total CVOCs	-	0	0	0	0	0	0	0	0	2.21	0	0

	NYSDEC	MV	V10
CVOC	AWQS	10/18/13	10/29/14
1,1-Dichloroethene	5	< 1	< 1
1,2-Dichlorobenzene	3	< 1	< 1
Chlorobenzene	5	< 1	0.25
Chloroform	7	< 1	< 1
Chloromethane	5	< 1	0.28
cis-1,2-Dichloroethene	5	< 1	< 1
Dichlorodifluoromethane	5	< 1	< 1
Tetrachloroethene	5	< 1	< 1
trans-1,2-Dichloroethene	5	< 5	< 5
Trichloroethene	5	< 1	< 1
Vinyl Chloride	2	< 1	< 1
Total CVOCs	-	0	0

	NYSDEC		MW11														MW11R				
CVOC	AWQS	10/18/2013	3/26/2014	10/29/2014	6/3/2016	10/27/2016	11/30/2016	12/30/2016	6/29/2017	4/23/2018	1/10/2019	7/31/2019	1/31/2020	7/28/2020	1/18/2021	9/9/2021	9/7/2022	3/22/2023	9/20/2023	3/27/2024	9/30/2024
1,1-Dichloroethene	5	9.4	3.3	< 20	0.74	6.1	4.5	4.9	3.1	< 5	2.3	1.1	< 4	<10	<20	0.72	1.5	ND	0.83	ND	ND
1,2-Dichlorobenzene	3	< 5	< 1	< 20	< 1	< 1	< 4.7	< 4.7	< 4.7	< 5	< 5	< 1	< 4	<10	<20	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 5	< 4	<10	<20	< 1	ND	ND	ND	ND	ND
Chloroform	7	< 5	< 5	< 100	< 5	< 5	< 7.	< 7.	< 7.	< 7.	< 25	< 5	< 4	<10	<20	< 1	ND	ND	ND	ND	ND
Chloromethane	5	< 5	< 5	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 5	< 4	<10	<20	< 1	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	2,500	880	690	270	2,200	2,500	2,500	1,700	1,000	850	330	776	782	1,350	174	504	26.2	275	158	84.6
Dichlorodifluoromethane	5	< 5	< 1	< 20	< 1	< 1	< 5	< 5	< 5	< 5	< 5	1.2	< 8	<20	<20	< 2	ND	ND	ND	ND	ND
Tetrachloroethene	5	4,300	15,000	4,400	1,400	13	5.4	82	6,100	7,000	660	1,500	1,460	3,100	3,750	342	243	4.2	106	728	57
trans-1,2-Dichloroethene	5	28	16	7.2	3.6	26	33	38	56	9.6	8.1	3.7	6.9	9.2	12.5	1.7	2.5	0.54	1.2	3.1 J	0.74 J
Trichloroethene	5	2,700	1,500	770	280	10	3	23	1,600	1,000	210	350	331	840	823	78.7	186	2.7	82.5	135	8.4
Vinyl Chloride	2	130	30	22	2.5	31	210	880	120	27	58	23	35.1	11.4	26.2	4.4	41.6	1.2	16.1	ND	10.6
Total CVOCs	-	7,158	16,546	5,199.2	1,686.1	80	251.4	1,023	7,876	8,036.6	936.1	1,876.7	1,833	3,960.6	4,611.7	426.8	473.1	8.6	205.8	866.1	76.7

Notes: AWQS: Ambient Water Quality Standard or Guidance Value (TOGS 1.1.1). Results and AWQS provided in micrograms per liter (ug/l). CVOC - chlorinated volatile organic compound. ND - not detected.

ND - not detected. c - not detected.
Bold values indicated relative to the indicated laboratory reporting limit (RL).
Bold values indicate detections above the RL.
Result exceeds the AV025(Suidance Value.
Replacement wells (MV-9RS) were installed in June 2022.
All OUII off-site wells were surveyed on 01/23/2023.
Total CVOCs = the sum of select, **bolded CVOCs** (Tetrachloroethene, trans-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride).
Table 4: Summary of Historic Results - Detected Chlorinated Volatile Organic Compounds in Groundwater Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

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	NYSDEC	I							MW12										MW12R		
CVOC	AWQS	10/18/2013	3/26/2014	10/29/2014	6/3/2016	10/27/2016	11/30/2016	12/30/2016	6/29/2017	4/23/2018	1/10/2019	7/31/2019	1/31/2020	7/28/2020	1/18/2021	9/9/2021	9/7/2022	3/22/2023	9/20/2023	3/27/2024	9/30/2024
1,1-Dichloroethene	5	< 2	< 1	< 5	0.49	1.7	< 5	0.42	< 1	0.97	2.3	0.8	<1	0.85	< 1	< 1	0.78	ND	ND	ND	ND
1,2-Dichlorobenzene	3	< 2	< 1	< 5	< 1	< 1	< 4.7	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	< 2	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 5	< 1	< 1	< 1	< 1	ND	ND	ND	ND	ND
Chloroform	7	< 2	< 5	< 25	< 5	0.81	< 7.	< 5	< 5	2.3	2	0.6	<1	< 1	< 1	< 1	ND	ND	ND	ND	ND
Chloromethane	5	< 2	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 5	<1	< 1	<1	<1	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	170	87	78	140	480	130	82	36	270	1,100	290	135	535	33.2	131	252	98.5	143	68.7	117
Dichlorodifluoromethane	5	< 2	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 5	< 1	< 2	< 2	< 2	< 2	ND	ND	ND	ND	ND
Tetrachloroethene	5	450	340	190	120	2,300	1,400	270	110	1,300	1,200	430	152	66.8	14.9	164	28.3	29.8	9.8	4.2	ND
trans-1,2-Dichloroethene	5	< 2	< 5	< 25	2.1	4.5	< 5	1.3	0.59	2.5	6.8	2.6	1	4.1	< 1	1.2	2.3	0.69	1.2	0.60 J	1.1
Trichloroethene	5	45	35	26	44	260	98	53	18	270	510	110	45.7	30	6.4	61.9	16.8	20.4	23.7	9.7	6.6
Vinyl Chloride	2	< 2	3.8	5.2	11	18	5.9	5.1	1.7	5.9	89	120	2	212	<1	5.2	80.8	2.2	11.9	2.0	18.3
Total CVOCs	-	495	378.8	221.2	177.1	2,582.5	1,503.9	329.4	130.3	1,578.4	1,805.8	662.6	200.7	312.9	21.3	232.3	128.20	53.09	46.6	16.5	26

	NYSDEC				MM	V13						MW13R		
CVOC	AWQS	10/18/2013	3/26/2014	10/29/2014	7/31/2019	1/31/2020	7/28/2020	1/18/2021	9/9/2021	9/7/2022	3/22/2023	9/20/2023	3/27/2024	9/30/2024
1,1-Dichloroethene	5	ND	ND	ND	0.5	< 2	<5	0.67		1.0	0.7	0.68	ND	1.3
1,2-Dichlorobenzene	3	ND	ND	ND	< 1	< 2	<5	< 1		ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	< 5	< 2	<5	< 1		ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	0.4	< 2	<5	< 1	ate	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	< 5	< 2	<5	< 1	00	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	50	38	45	120	230	247	135	at L	247	184	278	173	443
Dichlorodifluoromethane	5	ND	ND	ND	<1	< 4	<10	< 1	Ň	ND	ND	ND	ND	ND
Tetrachloroethene	5	430	600	330	500	881	649	433	PI	502	198	237	194	146
trans-1,2-Dichloroethene	5	ND	ND	ND	0.74	1.2	<5	0.91	201	1.6	1.3	1.9	1.6	3
Trichloroethene	5	28	30	23	110	212	161	93.2	0	125	102	128	111	180
Vinyl Chloride	2	1.2	1.6	4.3	6.3	1.9	5	5.5		9.3	3.9	8.3	2.9	3.7
Total CVOCs	-	459.2	631.6	357.3	617.0	1.096.1	815.0	531.7		637.9	305.2	375.2	309.5	332.7

	NYSDEC				MM	V14						MW14R		
CVOC	AWQS	10/18/2013	3/26/2014	10/29/2014	8/13/2019	1/31/2020	7/28/2020	1/18/2021	9/9/2021	9/7/2022	3/22/2023	9/20/2023	3/27/2024	9/30/2024
1,1-Dichloroethene	5	ND	ND	ND	1.3	1.2	<1	<5	< 1	ND	ND	ND	2.6	ND
1,2-Dichlorobenzene	3	ND	ND	ND	< 1	< 1	<1	<5	< 1	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	<1	< 1	<1	<5	<1	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	< 1	< 1	< 1	<5	< 1	6.0	5.4	11.9	3.7	3.4
Chloromethane	5	ND	ND	ND	2.7	< 1	<1	<5	< 1	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	45	40	1,300	170	382	5.9	1,150	9.2	1,780	1,220	2,700	1,340	774
Dichlorodifluoromethane	5	ND	ND	ND	< 1	< 2	< 2	<10	< 2	ND	ND	ND	ND	ND
Tetrachloroethene	5	350	530	670	400	260	11.2	975	9.2	1,920	1,110	1,690	996	1,430
trans-1,2-Dichloroethene	5	ND	ND	6.6	1.4	1.6	<1	<5	<1	13.8	8.0	20.2	9.8	6.3
Trichloroethene	5	30	29	350	250	213	3.1	698	3.2	437	559	1,080	637	560
Vinyl Chloride	2	1.1	1	70	6.7	12.7	<1	56.3	<1	79.3	52.0	109	41.6	20.1
Total CVOCs	-	381.1	560	1,096.6	658.1	487.3	14.3	1,729.3	12.4	2,450	1,729	2,899	1,684.44	2,016.4

Notes: AWQS: Ambient Water Quality Standard or Guidance Value (TOGS 1.1.1). Results and AWQS provided in micrograms per liter (ug/l). CVOC - chlorinated volatile organic compound. NO - on detected.

 And detected.
 - not detected.

All OUII off-site wells were surveyed on 01/23/2023. Total CVOCs = the sum of select, **bolded CVOCs** (Tetrachloroethene, trans-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride).

Table 5. Summary of PFAs & 1,4-Dioxane in Groundwater Former Darby Drugs – OUII (Off-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

Sample ID:	NYSDEC	MW3	MW4	MW6	MW7	MW8	MW9	MW1R
Sample Date:	Ambient Water	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024
Normal or Field Duplicate:	Quality Guidance	N	N	N	N	N	N	N
Units:	Values (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Paramter				Per- and Poly	fluoroalkyl Subs	tances (PFAs)		
Perfluorobutanesulfonic acid (PFBS)	-	3.31	3.07	5.22	4.83	2.03	4.92	4.18
Perfluorohexanoic acid (PFHxA)	-	8.05	6.21	11.8	7.09	5.04	7.84	27.3
Perfluoroheptanoic acid (PFHpA)	-	6.94	8.67	16.6	13.30	9.04	8.47	45.0
Perfluorohexanesulfonic acid (PFHxS)	-	3.47	2.19	3.77	1.98	1.58	2.79	1.03
Perfluorooctanoic acid (PFOA)	6.7	12.2	13.7	31	43.4	42.5	15.1	24.7
Perfluorooctanesulfonic acid (PFOS)	2.7	8.39	5.95	46.1	12.1	9.09	15.30	20.1
Perfluorononanoic acid (PFNA)	-	4.08	6.89	1.72	2.56	1.91	28.80	32.80
Perfluorodecanoic acid (PFDA)	-	ND	ND	ND	ND	ND	ND	11.70
Perfluoroundecanoic acid (PFUnA)	-	ND	ND	ND	ND	ND	ND	13.90
Perfluorododecanoic acid (PFDoA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTrDA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic acid (PFTA)	-	ND	ND	ND	ND	ND	ND	ND
MeFOSAA	-	ND	ND	ND	ND	ND	ND	ND
EtFOSAA	-	ND	ND	ND	ND	ND	ND	ND
Perfluoropentanoic acid (PFPeA)	-	7.63	5.25	8.35	5.62	4.13	9.27	46.4
Perfluoro-1-octanesulfonamide (FOSA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluoroheptanesulfonic acid (PFHpS)	-	ND	ND	ND	ND	ND	ND	ND
Perfluorodecanesulfonic acid (PFDS)	-	ND	ND	ND	ND	ND	ND	ND
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	ND	ND	ND	ND	ND	ND	ND
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	ND	ND	ND	ND	ND	ND	2.13
Perfluorobutanoic acid (PFBA)	-	5.47	8.22	16.6	12.7	4.73	6.11	18.0
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluoro-4-oxapentanoic acid (PFMPA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluoro-5-oxahexanoic acid (PFMBA)	-	ND	ND	ND	ND	ND	ND	ND
Perfluoro-1-pentanesulfonate (PFPeS)	-	ND	ND	0.804	ND	ND	ND	ND
4:2 Fluorotelomer sulfonate (4:2 FTS)	-	ND	ND	ND	ND	ND	ND	ND
HFPO-DA (Gen-X)	-	ND	ND	ND	ND	ND	ND	ND
11CL-PF3OUdS	-	ND	ND	ND	ND	ND	ND	ND
9CL-PF3ONS	-	ND	ND	ND	ND	ND	ND	ND
ADONA	-	ND	ND	ND	ND	ND	ND	ND
Perfluorododecanesulfonic acid (PFDoS)	-	ND	ND	ND	ND	ND	ND	ND
Perfluoro-1-nonanesulfonic acid (PFNS)	-	ND	ND	ND	ND	ND	ND	ND
3-Perfluoropropyl propanoic acid (FPrPA)	-	ND	ND	ND	ND	ND	ND	ND
3-Perfluoropentyl propanoic acid (FPePA)	-	ND	ND	ND	ND	ND	ND	ND
3-Perfluoroheptyl propanoic acid (FHpPA)	-	ND	ND	ND	ND	ND	ND	ND
N-MeFOSE	-	ND	ND	ND	ND	ND	ND	ND
N-MeFOSA	-	ND	ND	ND	ND	ND	ND	ND
N-EtFOSE	-	ND	ND	ND	ND	ND	ND	ND
N-EtFOSA	-	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	-	ND	ND	ND	ND	ND	ND	ND
Total PFAs		59.54	60.15	141.96	103.58	80.05	98.60	247.24

Sample ID:	NYSDEC	MW3	MW4	MW6	MW7	MW8	MW9	MW1R
Sample Date:	Ambient Water	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024
Normal or Field Duplicate:	Quality Guidance	N	N	N	N	N	N	N
Units:	Value (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Paramter					1,4-Dioxane			
1,4-Dioxane	0.35	ND	ND	ND	ND	ND	ND	ND

Notes:

ng/L = nanograms per liter

ug/L = micrograms per liter

NYSDEC = New York State Department of Environmental Conservation

ND - not detected. Bold and shaded values indicate an exceedance of the NYSDEC Ambient Water Quality Guidance Values

Replacement wells (MW-#Rs) were installed in June 2022.



Table 5. Summary of PFAs & 1,4-Dioxane in Groundwater Former Darby Drugs – OUII (0ff-Site) Rockville Centre, New York NYSDEC BCP Number: C130140A

Sample ID:	NYSDEC	MW2R	MW11R	MW12R	MW13R	MW14R	DUPLICATE	EQUIPMENT BLANK	FIELD BLANK
Sample Date:	Ambient Water	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024
Normal or Field Duplicate:	Quality Guidance	N	N	N	N	N	FD	FD	FD
Units:	Values (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Paramter				Per- a	nd Polyfluoroal	kyl Substances (PFAs)		
Perfluorobutanesulfonic acid (PFBS)	-	10.2	6.41	3.2	9.82	23.7	10.5	ND	ND
Perfluorohexanoic acid (PFHxA)	-	7.31	11.1	7.43	8.96	17.5	8.0	ND	ND
Perfluoroheptanoic acid (PFHpA)	-	12.8	13.2	3.76	6.73	16.7	10.2	ND	ND
Perfluorohexanesulfonic acid (PFHxS)	-	5.97	5.87	ND	1.36	0.814	6.56	ND	ND
Perfluorooctanoic acid (PFOA)	6.7	22.9	17.9	6.91	12.3	32.9	20.6	ND	ND
Perfluorooctanesulfonic acid (PFOS)	2.7	3.99	7.44	1.87	2.32	14	3.54	ND	ND
Perfluorononanoic acid (PFNA)	-	1.44	0.861	1.05	3.11	6.54	1.05	ND	ND
Perfluorodecanoic acid (PFDA)	-	ND	ND	ND	0.837	6.43	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	-	ND	ND	ND	ND	1.46	ND	ND	ND
Perfluorododecanoic acid (PFDoA)	-	ND	ND	ND	ND	1.90	ND	ND	ND
Perfluorotridecanoic acid (PFTrDA)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic acid (PFTA)	-	ND	ND	ND	ND	ND	ND	ND	ND
MeFOSAA	-	ND	ND	ND	ND	ND	ND	ND	ND
EtFOSAA	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoropentanoic acid (PFPeA)	-	8.12	15.1	6.59	10.9	24.7	7.78	ND	ND
Perfluoro-1-octanesulfonamide (FOSA)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroheptanesulfonic acid (PFHpS)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorodecanesulfonic acid (PFDS)	-	ND	ND	ND	ND	ND	ND	ND	ND
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	2.54	1.56	2.36	1.88	2.19	1.26	2.21	2.51
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorobutanoic acid (PFBA)	-	5.88	5.59	4.15	6.21	10.10	5.01	0.817	ND
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-4-oxapentanoic acid (PFMPA)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-5-oxahexanoic acid (PFMBA)	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-1-pentanesulfonate (PFPeS)	-	1.07	0.831	ND	ND	ND	0.812	ND	ND
4:2 Fluorotelomer sulfonate (4:2 FTS)	-	ND	ND	ND	ND	ND	ND	ND	ND
HFPO-DA (Gen-X)	-	ND	ND	ND	ND	ND	ND	ND	ND
11CL-PF3OUdS		ND	ND	ND	ND	ND	ND	ND	ND
9CL-PF3ONS	-	ND	ND	ND	ND	ND	ND	ND	ND
ADONA	-	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorododecanesulfonic acid (PFDoS)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-1-nonanesulfonic acid (PFNS)	-	ND	ND	ND	ND	ND	ND	ND	ND
3-Perfluoropropyl propanoic acid (FPrPA)	-	ND	ND	ND	ND	ND	ND	ND	ND
3-Perfluoropentyl propanoic acid (FPePA)	-	ND	ND	ND	ND	ND	ND	ND	ND
3-Perfluoroheptyl propanoic acid (FHpPA)		ND	ND	ND	ND	ND	ND	ND	ND
N-MeFOSE	-	ND	ND	ND	ND	ND	ND	ND	ND
N-MeFOSA		ND	ND	ND	ND	ND	ND	ND	ND
N-EtFOSE	-	ND	ND	ND	ND	ND	ND	ND	ND
N-EtFOSA	-	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	-	ND	ND	ND	ND	ND	ND	ND	ND
Total PFAs		82.22	85.86	37.32	64.43	158.93	75.31	3.03	2.51

Sample ID:	NYSDEC	MW2R	MW11R	MW12R	MW13R	MW14R	DUPLICATE	EQUIPMENT BLANK	FIELD BLANK
Sample Date:	Ambient Water	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024
Normal or Field Duplicate:	Quality Guidance	N	N	N	N	N	FD	FD	FD
Units:	Value (ug/L)	ug/L	ug/L						
Paramter 1,4-Dioxane									
1,4-Dioxane	0.35	ND	ND						

Notes:

ng/L = nanograms per liter ug/L = micrograms per liter NYSDEC = New York State Department of Environmental Conservation ND - not detected.



Bold and shaded values indicate an exceedance of the NYSDEC Ambient Water

Replacement wells (MW-#Rs) were installed in June 2022.



























































9/05/24



9/11/24



10/24/24 -Manual







DATA USABILITY SUMMARY REPORT DARBY DRUG COMPANY, INC., ROCKVILLE CENTRE, NEW YORK

Client:	EnviroTrac Ltd., Yaphank, New York
SDG:	JD97425
Laboratory:	SGS North America, Dayton, New Jersey
Site:	Darby Drug Company, Inc., Rockville Centre, New York
Date:	October 30, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW3-20240930	JD97425-1	Water
2	MW4-20240930	JD97425-2	Water
3	MW6-20240930	JD97425-3	Water
4	MW7-20240930	JD97425-4	Water
5	MW8-20240930	JD97425-5	Water
6	MW9-20241001	JD97425-6	Water
7	MW1R-20241001	JD97425-7	Water
8	MW2R-20240930	JD97425-8	Water
8MS	MW2R-20240930MS	JD97425-8MS	Water
8MSD	MW2R-20240930MSD	JD97425-8MSD	Water
9	MW11R-20241001	JD97425-9	Water
9MS	MW11R-20241001MS	JD97425-9MS	Water
9MSD	MW11R-20241001MSD	JD97425-9MSD	Water
10	MW12R-20240930	JD97425-10	Water
11	MW13R-20241001	JD97425-11	Water
12	MW14R-20241001	JD97425-12	Water
13	DUP-20240930	JD97425-13	Water
14	TB-20240927	JD97425-14	Water
15	TB-20240927	JD97425-15	Water

A Data Usability Summary Review was performed on the analytical data for thirteen water samples and two aqueous trip blank samples collected on September 30-October 1, 2024 by EnviroTrac at the Darby Drug Company, Inc. site in Rockville Centre, New York. The samples were analyzed under the "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

<u>Analysis</u> VOCs <u>Method References</u> USEPA SW-846 Method 8260D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical method and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:
- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for Validation of Volatile Data;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Holding times and sample preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)
 recoveries
- Internal standard area and retention time summary forms
- Target Compound Identification
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the data quality indicator criteria as detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

• The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

• All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning

• All criteria were met.

Initial Calibration

• The initial calibrations exhibited acceptable %D and RRF values.

Continuing Calibration

• The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
10/07/24 (0850)	Chloromethane	33.5%	UJ	1, 3, 5, 8
	Vinyl Chloride	20.2%	UJ	
10/08/24 (0832)	Chloromethane	21.2%	UJ	9,12
	Acetone	32.0%	UJ	
10/08/24 (0850)	Chloroethane	20.5%	UJ	7, 11, 13
	Acetone	41.5%	UJ	
10/10/24 (0853)	Dichlorodifluoromethane	26.4%	UJ	14, 15

Method Blank

• The method blanks were free of contamination.

Field Blank

• Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TB-20240927	None - ND	it it is an	· · · · · · · · · · · · · · · · · · ·	-
TB-20240927	None - ND	10	· · · · · · · · · · · · · · · · · · ·	

Surrogate Spike Recoveries

• All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

• The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
8	Chloroform	123%/127%/OK	None - Sample ND
	1,1-Dichloroethane	OK/131%/OK	
	1,1-Dichloroethene	OK/135%/OK	
	trans-1,2-Dichloroethene	132%/133%/OK	
	1,2-Dichloropropane	125%/132%/OK	
	trans-1,3-Dichloropropene	OK/124%/OK	
	Methylcyclohexane	OK/139%/OK	
	4-Methyl-2-pentanone	OK/136%/OK	

Laboratory Control Samples (LCS)

• The LCS samples exhibited acceptable percent recoveries (%R) except for the following.

LCS ID	Compound	LCS %R	Qualifier	Affected Samples
V1N383-BS	Chloroform	117%	None	All Associated ND

Compound Quantitation

• Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Internal Standard (IS) Area Performance

• All internal standards met response and retention time (RT) criteria.

Tentatively Identified Compounds (TICs)

• TICs were not reported.

Field Duplicate Sample Precision

• Field duplicate results are summarized below. The precision was acceptable.

Compound	MW2R-20240930 ug/L	DUP-20240930 ug/L	RPD	Qualifier
None	ND	ND	0 H	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver Dated: 11/1124

Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



Raw Data: 2N15993.D

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sam Lab Sample Matrix: Method: Project:	ple ID: MW3-20240930 e ID: JD97425-1 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	s Avenue, Ro	ockville	Centre, N	Date Date Perc Y	Sampled: 09 Received: 10 ent Solids: n/	//30/24 //02/24 a
Run #1 Run #2	File ID DF A 2N15993.D 1 10	nalyzed 0/07/24 18:39	By ED	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V2N383
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone	ND	10	3.1	ug/l		
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane	ND	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l		
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l		
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l		
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l		
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l		
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l		
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l		
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l		
76-13-1	Freon 113	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

 $J \,=\, Indicates \; an \; estimated \; value$

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



Client Sample ID:MW3-20240930Lab Sample ID:JD97425-1Matrix:AQ - Ground WaterMethod:SW846 8260DProject:Darby Drugs, 80 Banks		s Avenue, R	ockville C	entre, NY	Date Date Perc	Sampled: Received: ent Solids:	09/30/24 10/02/24 n/a	
VOA TCL I	List							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	1 Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	1 Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styren	e	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	hloroethene	ND	1.0	0.56	ug/l		
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride ^a	ND UJ	1.0	0.52	ug/l		
	m,p-X	lylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyle	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibro	mofluoromethane	106%		80-12	20%		
17060-07-0	1,2-D	ichloroethane-D4	115%		80-12	20%		
2037-26-5	Tolue	ne-D8	100%		80-12	20%		
460-00-4	4-Bro	mofluorobenzene	9 5%		82-1	4%		

Report of Analysis

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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4.1

M10/30/24



Raw Data: 1N15994.D

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sam Lab Sampl Matrix: Method: Project:	ple ID: MW4-20240930 e ID: JD97425-2 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	s Avenue, Ro	ckville	Centre, N	Date Date Perc Y	Sampled: 09 Received: 10 cent Solids: n/)/30/24)/02/24 a
Run #1 Run #2	File ID DF A 1N15994.D 1 1	nalyzed 0/07/24 18:52	By ED	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V1N383
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
71-43-2 74-97-5 75-27-4 75-25-2 74-83-9 78-93-3 75-15-0 56-23-5 108-90-7 75-00-3 67-66-3 74-87-3 110-82-7 96-12-8 124-48-1 106-93-4 95-50-1 541-73-1 106-46-7 75-71-8 75-34-3 107-06-2	Benzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane 2-Butanone (MEK) Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroethane Chloroform Chloromethane Cyclohexane 1,2-Dibromo-3-chloropropane Dibromochloromethane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane 1,2-Dichloroethane	ND ND ND ND ND ND ND ND ND ND ND ND ND N	$\begin{array}{c} 0.50\\ 1.0\\ 1.0\\ 1.0\\ 2.0\\ 10\\ 2.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1$	0.43 0.43 0.45 0.63 1.6 2.7 1.8 0.55 0.56 0.73 0.50 0.76 0.78 0.53 0.56 0.48 0.53 0.54 0.51 0.56 0.57 0.60	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		
(5-35-4) 156-59-2 156-60-5 78-87-5 10061-01-5 10061-02-6 100-41-4 76-13-1 591-78-6	1, 1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene Ethylbenzene Freon 113 2-Hexanone	ND ND ND ND ND ND ND ND	1.0 1.0 1.0 1.0 1.0 1.0 1.0 5.0 5.0	0.59 0.51 0.54 0.51 0.47 0.43 0.60 0.58 4.8	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

5



Client Sample ID:MW4-20240930Lab Sample ID:JD97425-2Matrix:AQ - Ground WaterMethod:SW846 8260DProject:Darby Drugs, 80 Banks /			s Avenue,	Rockville Co	entre, NY	Date Date Perce	Sampled: Received: ent Solids:	09/30/24 10/02/24 n/a
VOA TCL L	list							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Ізорго	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	l Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	l Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styren	e	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	hloroethene	ND	1.0	0.56	ug/l		
108-88-3	Toluer	ıe	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride	ND	1.0	0.52	ug/l		
	m,p-X	ylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyle	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibro	mofluoromethane	104%		80-1	20%		
17060-07-0	1,2-Di	chloroethane-D4	113%		80-1	20%		
2037-26-5	Toluer	ne-D8	102%		80-1	20%		
460-00-4	4-Broi	nofluorobenzene	99 %		82-1	14%		

Report of Analysis

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

4.2

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14 of 5629 SGS



Raw Data: 2N15995.D

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sample ID:MW6-20240930Lab Sample ID:JD97425-3Matrix:AQ - Ground WaterMethod:SW846 8260DProject:Darby Drugs, 80 Banks Avenue, Rockville					Date Sampled: 09/30/24 Date Received: 10/02/24 Per cent Solids: n/a Centre, NY				
Run #1 Run #2	File ID DF A 2N15995.D 1 1	Analyzed 10/07/24 19:06	By ED	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V2N383		
Run #1 Run #2	Purge Volume 5.0 ml								
VOA TCL	List								
CAS No.	Compound	Result	RL	MDL	Units	Q			
67-64-1	Acetone	ND	10	3.1	ug/l				
71-43-2	Benzene	ND	0.50	0.43	ug/l				
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l				
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l				
75-25-2	Bromoform	ND	1.0	0.63	ug/l				
74-83-9	Bromomethane	ND	2.0	1.6	ug/l				
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l				
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l				
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l				
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l				
75-00-3	Chloroethane	ND	1.0	0.73	ug/l				
67-66-3	Chloroform	ND	1.0	0.50	ug/l				
74-87-3	Chloromethane ^a		1.0	0.76	ug/l				
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l				
90-12-8	1,2-Dibromo-3-chioropropan	e ND	2.0	0.53	ug/l				
124-48-1	Dibromocniorometnane	ND	1.0	0.56	ug/I				
100-93-4	1,2-Dibromoetnane	ND	1.0	0.48	ug/I				
93-30-1 541 72 1	1,2-Dichlorobenzene		1.0	0.53	ug/1				
106 /6 7	1,3-Dichlorobenzene		1.0	0.54	ug/1				
75 71 9	Dichlorodifluoromethere	ND	1.0	0.51	ug/1				
75-31 2	1 1 Dichloroethana		2.U 1.0	0.30	ug/1				
107_06_2	1 2-Dichloroethane	ND	1.0	0.07	ug/1				
75_25_1	1 1-Dichloroethere	ND	1.0	0.00	ug/1				
156_50_2	ris-1 2-Dichloroothono	ND	1.0	0.09	ug/1				
156-60-5	trans-1 2-Dichloroethene	ND	1.0	0.51	ug/1 110/1				
78-87-5	1 2-Dichloropropage	ND	1.0	0.54	ug/1 110/1				
10061-01-5	cis-1 3-Dichloropropene	ND	1.0	0.31	ug/1 ug/1				
10061-02-6	trans-1 3-Dichloropropene	ND	1.0	0.47	ug/1 110/l				
100-41-4	Ethylbenzene	ND	1.0	0.40	110/l				
76-13-1	Freon 113	ND	5.0	0.58	ч <u>в</u> /1 11g/l				
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l				

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $J = Indicates \ an \ estimated \ value$

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

4.3



Client Sample ID:MW6-20240930Lab Sample ID:JD97425-3Matrix:AQ - Ground WaterMethod:SW846 8260DProject:Darby Drugs, 80 Ban			s Avenue, R	ockville C	entre, N	Date Date Perce Y	Sampled: Received: ent Solids:
VOA TCL I	List						
CAS No.	Comp	ound	Result	RL	MDL	Units	Q
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methy	Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methy	'l Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styren	e	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrac	hloroethene	ND	1.0	0.56	ug/l	
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl	chloride ^a	ND MJ	1.0	0.52	ug/l	
	m,p-X	(ylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xyle	ene	ND	1.0	0.59	ug/l	
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l	
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibro	mofluoromethane	103%		80-1	20%	
17060-07-0	1,2-D	ichloroethane-D4	104%		80-1	20%	
2037-26-5	Tolue	ne-D8	1 03 %		80-1	20%	
460-00-4	4-Bro	mofluorobenzene	100%		82-1	14%	

Report of Analysis

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit

- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- $B \,=\, Indicates \ analyte \ found \ in \ associated \ method \ blank$
- N = Indicates presumptive evidence of a compound



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09/30/24 10/02/24 n/a



M10130124

4.ω

Raw Data: 1N15996.D

SGS North America Inc.

Report of Analysis

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4.4

Client Sam Lab Sample Matrix: Method: Project:	ple ID: MW7-20240930 e ID: JD97425-4 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	s Avenue, Ro	ckville	Centre, NY	Date Date Perc	Sampled: 09 Received: 10 ent Solids: n/)/30/24)/02/24 a
Run #1 Run #2	File ID DF A 1N15996.D 1 1	nalyzed 0/07/24 19:20	By ED	Prep Da n/a	ite	Prep Batch n/a	Analytical Batch V1N383
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone	ND	10	3.1	ug/l		
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane	ND	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane	ND	1.0	0.76	ug/l		
110-82-7	Cyclohexane	1.2	5.0	0.78	ug/l	J	
96-12-8	1,2-Dibromo-3-chloropropane	e ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l		
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l		
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l		
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l		
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l		
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l		
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l		
76-13-1	Freon 113	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B \ = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$



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Client Sample Lab Sample Matrix: Method: Project:	Date Sampled: Date Received: Per cent Solids:						
VOA TCL I	list						
CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	3.6	1.0	0.65	ug/l		
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methylcyclohexane	1.9	5.0	0.60	ug/l	J	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styrene	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l		
108-88-3	Toluene	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l		
	m,p-Xylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xylene	ND	1.0	0.59	ug/l		
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its		
1868-53-7	Dibromofluoromethane	1 06 %		80-1	20%		
17060-07-0	1,2-Dichloroethane-D4	117%		80-1	20%		
2037-26-5	Toluene-D8	100%		80-1	120%		
460-00-4	4-Bromofluorobenzene	100%		82-1	14%		

Report of Analysis

09/30/24 10/02/24

n/a

4.4

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ND = Not detected MDL = Method Detection Limit RL = Reporting Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range







Report of Analysis

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Client Sam Lab Sampl Matrix: Method: Project:	ple ID: MW8-20240930 e ID: JD97425-5 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	D: MW8-20240930 JD97425-5 Date Sampled: 09/30/24 AQ - Ground Water Date Received: 10/02/24 SW846 8260D Percent Solids: n/a Darby Drugs, 80 Banks Avenue, Rockville Centre, NY									
Run #1 Run #2	File ID DF A 2N15997.D 1 10	nalyzed 0/07/24 19:34	By ED	Prep Da n/a	ite	Prep Batch n/a	Analytical Batch V2N383				
Run #1 Run #2	Purge Volume 5.0 ml										
VOA TCL	List										
CAS No.	Compound	Result	RL	MDL	Units	Q					
67-64-1	Acetone	ND	10	3.1	ug/l						
71-43-2	Benzene	ND	0.50	0.43	ug/l						
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l						
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l						
75-25-2	Bromoform	ND	1.0	0.63	ug/l						
74-83-9	Bromomethane	ND	2.0	1.6	ug/l						
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l						
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l						
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l						
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l						
75-00-3	Chloroethane	ND	1.0	0.73	ug/l						
67-66-3	Chloroform	ND	1.0	0.50	ug/l						
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l						
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l						
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l						
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l						
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l						
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l						
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l						
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l						
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l						
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l						
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l						
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l						
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l						
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l						
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l						
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l						
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l						
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l						
76-13-1	Freon 113	ND	5.0	0.58	ug/l						
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l						

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





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Report of Analysis

Client Samp Lab Sample Matrix: Method: Project:	ole ID: DID:	MW8-20240930 JD97425-5 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks	s Avenue, R	ockville C	Sampled: Received: ent Solids:	09/30/24 10/02/24 n/a		
VOA TCL I	List							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	I Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styrer	ie	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	chloroethene	ND	1.0	0.56	ug/l		
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride ^a	NDUJ	1.0	0.52	ug/l		
	m,p-X	(ylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyl	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibro	mofluoromethane	1 06 %		80-12	20%		
17060-07-0	1,2-D	ichloroethane-D4	112%		80-12	20%		
2037-26-5	Tolue	ne-D8	101%		80-12	20%		
460-00-4	4-Bro	mofluorobenzene	94%		82-11	4%		

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit J = Indicates an estimated value

B = Indicates analyte found in associated method blank

- E = Indicates value exceeds calibration range
- N = Indicates presumptive evidence of a compound



4.5



Raw Data: 1N15998.D

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Report of Analysis

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4.6

Client Sam Lab Sampl Matrix: Method: Project:	ple ID: MW9-20241001 e ID: JD97425-6 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	MW9-20241001JD97425-6Date Sampled: 10/01/24AQ - Ground WaterDate Received: 10/02/24SW846 8260DPer cent Solids: n/aDarby Drugs, 80 Banks Avenue, Rockville Centre, NY									
Run #1 Run #2	File ID DF A 1N15998.D 1 10	nalyzed)/07/24 19:47	By ED	Prep Da n/a	te	Prep Batch n/a	Analytical Batch V1N383				
Run #1 Run #2	Purge Volume 5.0 ml										
VOA TCL	List										
CAS No.	Compound	Result	RL	MDL	Units	Q					
67-64-1	Acetone	4.7	10	3.1	ug/l	J					
71-43-2	Benzene	2.7	0.50	0.43	ug/l						
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l						
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l						
75-25-2	Bromoform	ND	1.0	0.63	ug/l						
74-83-9	Bromomethane	ND	2.0	1.6	ug/l						
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l						
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l						
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l						
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l						
75-00-3	Chloroethane	ND	1.0	0.73	ug/l						
67-66-3	Chloroform	ND	1.0	0.50	ug/l						
74-87-3	Chloromethane	ND	1.0	0.76	ug/l						
110-82-7	Cyclohexane	14.1	5.0	0.78	ug/l						
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l						
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l						
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l						
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l						
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l						
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l						
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l						
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l						
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l						
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l						
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l						
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l						
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l						
10061-01-	5 cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l						
10061-02-	6 trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l						
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l						
76-13-1	Freon 113	ND	5.0	0.58	ug/l						
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l						

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

 $J \ = \ Indicates \ an \ estimated \ value$

 $B\,=\,Indicates$ analyte found in associated method blank

E = Indicates value exceeds calibration range



Client Sample ID:MW9-20241001Lab Sample ID:JD97425-6Matrix:AQ - Ground WaterMethod:SW846 8260DProject:Darby Drugs, 80 Banks Avenue, Rockvill				Rockville C	Date Sampled: 10 Date Received: 10 Percent Solids: n/a kville Centre, NY						
VOA TCL I	List										
CAS No.	Comp	ound	Result	RL	MDL	Units	Q				
98-82-8	Isopro	pylbenzene	12.2	1.0	0.65	ug/l					
79-20-9	Methy	l Acetate	ND	5.0	0.80	ug/l					
108-87-2	Methy	lcyclohexane	19.7	5.0	0.60	ug/l					
1634-04-4	Methy	l Tert Butyl Ether	ND	1.0	0.51	ug/l					
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l					
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l					
100-42-5	Styren	e	ND	1.0	0.49	ug/l					
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l					
127-18-4	Tetrac	hloroethene	ND	1.0	0.56	ug/l					
108-88-3	Tolue	ne	0.67	1.0	0.49	ug/l	J				
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l					
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l					
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l					
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l					
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l					
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l					
75-01-4	Vinyl	chloride	ND	1.0	0.52	ug/l					
	m,p-X	ylene	ND	1.0	0.78	ug/l					
95-47-6	o-Xyl	ene	ND	1.0	0.59	ug/l					
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l					
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limi	its					
1868-53-7	Dibro	mofluoromethane	10 1%		80-1	20%					
17060-07-0	1,2-D	ichloroethane-D4	1 08 %		80-1	20%					
2037-26-5	Tolue	ne-D8	103%		80-1	20%					
460-00-4	4-Broa	mofluorobenzene	102%		82-1	14%					

Report of Analysis

ND = Not detected MDL = Method Detection LimitRL = Reporting LimitE = Indicates value exceeds calibration range J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

calibration range N = Indicate

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4.6

Raw Data: 5A10405.D

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Report of Analysis

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Client Sam Lab Sample Matrix: Method: Project:	s Avenue, Ro	ckville (Centre, NY	Date Date Perc Y	Sampled: 10 Received: 10 ent Solids: n/)/01/24)/02/24 a	
Run #1 Run #2	File ID DF A 5A10405.D 1 10	nalyzed)/08/24 11:26	By NW	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V5A302
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
71-43-2 74-97-5 75-27-4 75-25-2 74-83-9 78-93-3 75-15-0 56-23-5 108-90-7 75-00-3 67-66-3 74-87-3 110-82-7 96-12-8 124-48-1 106-93-4 95-50-1 541-73-1 106-46-7 75-71-8 75-34-3	Benzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane 2-Butanone (MEK) Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroethane ^a Chloroform Chloromethane 1,2-Dibromo-3-chloropropane Dibromochloromethane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Dichlorodifluoromethane 1,1-Dichloroethane	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.50 1.0 1.0 1.0 2.0 1.0	0.43 0.48 0.45 0.63 1.6 2.7 1.8 0.55 0.56 0.73 0.50 0.76 0.78 0.53 0.56 0.48 0.53 0.54 0.51 0.56	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		
107-06-2 75-35-4 156-59-2 156-60-5 78-87-5 10061-01-5 10061-02-6 100-41-4 76-13-1 591-78-6	1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene Ethylbenzene Freon 113 2-Hexanone	ND ND 7.8 ND ND ND ND ND ND	$1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 5.0 \\ 5.0 \\ 5.0 \\$	$\begin{array}{c} 0.60\\ 0.59\\ 0.51\\ 0.54\\ 0.51\\ 0.47\\ 0.43\\ 0.60\\ 0.58\\ 4.8 \end{array}$	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		

~ 10/30/21

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $J \,=\, Indicates \; an \; estimated \; value$

 $B \,=\, Indicates \ analyte \ found \ in \ associated \ method \ blank$



Report	of Analysis	
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Client Samp Lab Sample Matrix: Method: Project:	le ID: ID:	MW1R-20241001 JD97425-7 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks	Avenue, R	ockville Ce	entre, NY	Date Date Perce	Sampled: Received: ent Solids:	10/01/24 10/02/24 n/a
VOA TCL I	List							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	I Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	1 Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styren	e	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	hloroethene	ND	1.0	0.56	ug/l		
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride	2.0	1.0	0.52	ug/l		
	m,p-X	Yylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyl	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibro	mofluoromethane	96%		80-12	20%		
17060-07-0	1,2-D	ichloroethane-D4	98 %		80-12	20%		
2037-26-5	Tolue	ne-D8	101%		80-12	20%		
460-00-4	4-Bro	mofluorobenzene	93 %		82-1	14%		

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound







Report of Analysis

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4.7

Client Sam Lab Sample Matrix: Method: Project:	ple ID: MW1R- e ID: JD97423 AQ - Gr SW846 Darby D	SIM SW846 351 nks Avenue, Roo	Date Sampled: 10/01/24 Date Received: 10/02/24 SW846 3510C Per cent Solids: n/a Avenue, Rockville Centre, NY					
Run #1 Run #2	File ID CR9264.D	DF 1	Analyzed 10/09/24 15:26	By JY	Prep Da 10/08/24	nte 1 14:40	Prep Batch OP58391A	Analytical Batch ECR449
Run #1 Run #2	Initial Volume 250 ml	Final Volu 1.0 ml	ıme					
CAS No.	Compound		Result	RL	MDL	Units	Q	
123-91-1	1,4-Dioxane		ND	0.30	0.20	ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limi	ts		
4165-60-0 321-60-8 1718-51-0	Nitrobenzene-d 2-Fluorobiphen Terphenyl-d14	5 Iyl	81% 69% 74%		29-12 23-12 22-13	24% 22% 30%		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Raw Data: 2N15973.D

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Report of Analysis

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4.8

Client Sample ID:MW2R-20240930Lab Sample ID:JD97425-8Matrix:AQ - Ground WaterMethod:SW846 8260DProject:Darby Drugs, 80 Banks Avenue, Rockville					Date Sampled: 09/30/24 Date Received: 10/02/24 Per cent Solids: n/a e Centre, NY					
Run #1 Run #2	File ID DF I 2N15973.D 1	Analyzed 10/07/24 14:03	By ED	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V2N383			
Run #1 Run #2	Purge Volume 5.0 ml									
VOA TCL	List									
CAS No.	Compound	Result	RL	MDL	Units	Q				
67-64-1	Acetone	ND	10	3.1	ug/l					
71-43-2	Benzene	ND	0.50	0.43	ug/l					
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l					
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l					
75-25-2	Bromoform	ND	1.0	0.63	ug/l					
74-83-9	Bromomethane	ND	2.0	1.6	ug/l					
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l					
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l					
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l					
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l					
75-00-3	Chloroethane	ND	1.0	0.73	ug/l					
67-66-3	Chloroform	ND	1.0	0.50	ug/l					
74-87-3	Chloromethane ^a	NDWJ	1.0	0.76	ug/l					
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l					
96-12-8	1,2-Dibromo-3-chloropropar	ie ND	2.0	0.53	ug/l					
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l					
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l					
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/1					
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l					
106-46-7	1,4-Dicniorobenzene	ND	1.0	0.51	ug/I					
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/I					
107.00.0	1,1-Dichlereethane		1.0	0.57	ug/1					
107-00-2	1,2-Dichloroethane		1.0	0.60	ug/I					
156 50 2	1,1-DICNIOROEINENE		1.0	0.59	ug/I					
100-09-2	cis-1,2-Dichloroethene		1.0	0.51	ug/1					
100-0U-0 70 07 5	1.2 Dichlorosson		1.0	0.54	ug/1					
10061 01 5	1,2-Dichloropropane		1.0	0.31	ug/1					
10001-01-3	cis-1,3-Dichloropropene		1.0	0.47	ug/1					
10001-02-0	Ethylhongonc		1.0	0.43	ug/1					
100-41-4	Euryinenzene Eroon 113		1.0	0.00	ug/1					
10-13-1 501 70 C			5.0	10	ug/1					
JJ1-10-U	L-HEXANUNC		0.0	4.0	ug/1					

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



JD97425

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Report of Analysis

Client Samp Lab Sample Matrix: Method: Project:	le ID: ID:	MW2R-20240930 JD97425-8 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks	s Avenue, R	ockville C	entre, NY	Date Date Per co	Sampled: Received: ent Solids:	09/30/24 10/02/24 n/a
VOA TCL I	List							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	l Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	l Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styren	e	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	hloroethene	ND	1.0	0.56	ug/l		
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride ^a	ND UJ	1.0	0.52	ug/l		
	m,p-X	lylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyl	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibro	mofluoromethane	109%		80-12	20%		
17060-07-0	1,2-D	ichloroethane-D4	110%		80-12	20%		
2037-26-5	Tolue	ne-D8	102%		80-12	20%		
460-00-4	4-Bro	mofluorobenzene	99 %		82-11	14%		

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit J = Indicates an estimated value

pwil30/24

- B = Indicates analyte found in associated method blank
- E = Indicates value exceeds calibration range
- N = Indicates presumptive evidence of a compound



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Report of Analysis

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4.8

Client Sam Lab Sampl Matrix: Method: Project:	ple ID: e ID:	MW2R-2 JD97425 AQ - Gru SW846 8 Darby D	20240930 -8 ound Water 3270E BY S rugs, 80 Ba	IM SW846 351 nks Avenue, Ro	l0C ckville C	entre, NY	Date Date Perc	Sampled: 09 Received: 10 ent Solids: n/a	//30/24 /02/24 a
Run #1 Run #2	File ID 2M1362	202.D	DF 1	Analyzed 10/10/24 19:41	By JY	Prep Da 10/07/24	ite 4 16:30	Prep Batch OP58377A	Analytical Batch E2M6191
Run #1 Run #2	Initial V 250 ml	/olume	Final Volu 1.0 ml	ime					
CAS No.	Comp	ound		Result	RL	MDL	Units	Q	
123-91-1	1,4-Di	oxane		ND	0.30	0.20	ug/l		
CAS No.	Surrog	gate Reco	overies	Run# 1	Run# 2	Limi	ts		
4165-60-0 321-60-8 1718-51-0	Nitrob 2-Fluo Terphe	trobenzene-d5 Fluorobiphenyl rphenyl-d14		76% 60% 66%		29-12 23-12 22-13	24% 22% 30%		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



JD97425

Raw Data: 4A10406.D

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Report of Analysis

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Client Sam Lab Sampl Matrix: Method: Project:	ple ID: MW11R-20241001 e ID: JD97425-9 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks	s Avenue, Ro	Date Date Perc	Date Sampled: 10/01/24 Date Received: 10/02/24 Percent Solids: n/a			
Run #1 Run #2	File ID DF A 4A10406.D 1 10	EID DF Analyzed By Prep Date 10406.D 1 10/08/24 11:44 NW n/a		ate	Prep Batch n/a	Analytical Batch V4A302	
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone ^a	ND UJ	10	3.1	ug/l		
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane	ND	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane ^a	ND UJ	1.0	0.76	ug/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l		
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l		
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l		
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichloroethene	84.6	1.0	0.51	ug/l		
156-60-5	trans-1,2-Dichloroethene	0.74	1.0	0.54	ug/l	J	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l		
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l		
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l		
76-13-1	Freon 113	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



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Client Sample ID: Lab Sample ID: Matrix: Method: Project:		MW11R-20241001 JD97425-9 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks Avenue, Rockville Centre, NY					Sampled: Received: nt Solids:	10/01/24 10/02/24 n/a
VOA TCL I	list							
CAS No.	Compound		Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	1 Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	I Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styren	e	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	chloroethene	57.1	1.0	0.56	ug/l		
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	8.4	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride	10.6	1.0	0.52	ug/l		
	m,p-X	(ylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyl	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surrogate Recoveries		Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibro	mofluoromethane	94%		80-12	20%		
17060-07-0	1,2-D	ichloroethane-D4	103%		80-12	20%		
2037-26-5	Tolue	ne-D8	100%	100% 80-12				
460-00-4	4-Bro	mofluorobenzene	92% 82-1			14%		

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection LimitRL = Reporting LimitE = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



JD97425



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Client Sam Lab Sample Matrix: Method: Project:	ple ID: e ID:	MW11R JD97425 AQ - Gro SW846 8 Darby D	-20241001 -9 ound Water 3270E BY S rugs, 80 Ba	IM SW846 351 nks Avenue, Ro	l0C ckville C	entre, NY	Date Date Perc	Sampled: 10 Received: 10 ent Solids: n/	1/01/24 1/02/24 a
Run #1 Run #2	File ID n #1 CR926 n #2		DF 1	Analyzed 10/09/24 15:48	By JY	Prep Da 10/08/24	ute 4 14:40	Prep Batch OP58391A	Analytical Batch ECR449
Run #1 Run #2	Initial V 250 ml	Volume	Final Volu 1.0 ml	ime					
CAS No.	Comp	ound		Result	RL	MDL	Units	Q	
123-91-1	1,4-Di	oxane		ND	0.30	0.20	ug/l		
CAS No.	Surrog	gate Reco	veries	Run# 1	Run# 2	Limi	ts		
4165-60-0 321-60-8 1718-51-0	Nitrob 2-Fluo Terphe	Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14		99% 77% 93%	29-1 23-1 22-1		24% 22% 30%		

ND = Not detectedMDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank



J = Indicates an estimated value

Raw Data: 1N16000.D

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Client Sample Lab Sample Matrix: Method: Project:	ple ID: MW12R-20240930 e ID: JD97425-10 AQ - Ground Water SW846 8260D Darby Drugs, 80 Ban	ks Avenue, Ro	ckville	Centre, N)/30/24)/02/24 a		
Run #1 Run #2	File ID DF A 1N16000.D 1 1	Analyzed 10/07/24 20:15	By ED	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V1N383
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone	ND	10	3.1	ug/l		
71-43-2	Велzепе	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane	ND	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane	ND	1.0	0.76	ug/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l		
96-12-8	1,2-Dibromo-3-chloropropan	e ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
90-00-1 5/1 70 1	1,2-DICHIOFODENZENE		1.0	0.53	ug/I		
J41-73-1 106 /6 7	1, 3-DICHIOFODENZENE		1.0	0.54	ug/I		
100-40-7 75 71 Q	1,4-Dichlorodifluoromethers		2.0	0.51	ug/1		
75.21 2	1 1-Dichloroethane		4.U 1.0	0.30	ug/1		
107_06_2	1.2-Dichloroethane	ND	1.0	0.07	ug/1		
75_35_1	1 1-Dichloroethene	ND	1.0	0.00	ug/1		
156_59_2	cis-1 2-Dichloroothono	117	1.0	0.55	ug/1		
156-60-5	trans-1 2-Dichloroethene	11	1.0	0.51	ug/1 1107/1		
78-87-5	1.2-Dichloronronane	ND	1.0	0.51	ug/1 110/1		
10061-01-5	cis-1.3-Dichloronronene	ND	1.0	0.47	ug/1 110/1		
10061-02-6	trans-1.3-Dichloronronene	ND	1.0	0.43	110/1		
100-41-4	Ethylbenzene	ND	1.0	0.60	11g/1		
76-13-1	Freon 113	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $J = Indicates \ an \ estimated \ value$

 $B \ = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$



Client Samp Lab Sample Matrix: Method: Project:	le ID: MW12R-20240930 ID: JD97425-10 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	MW12R-20240930 JD97425-10 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks Avenue, Rockville Centre, NY						
VOA TCL I	zist							
CAS No.	Compound	Result	RL	MDL	Units	Q		
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l			
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l			
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l			
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l			
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l			
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l			
100-42-5	Styrene	ND	1.0	0.49	ug/l			
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l			
127-18-4	Tetrachloroethene	3.0	1.0	0.56	ug/l			
108-88-3	Toluene	ND	1.0	0.49	ug/l			
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l			
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l			
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l			
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l			
79-01-6	Trichloroethene	6.6	1.0	0.53	ug/l			
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l			
75-01-4	Vinyl chloride	18.3	1.0	0.52	ug/l			
	m,p-Xylene	ND	1.0	0.78	ug/l			
95-47-6	o-Xylene	ND	1.0	0.59	ug/l			
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts			
1868-53-7	Dibromofluoromethane	105%		80-12	20%			
17060-07-0	1,2-Dichloroethane-D4	113%	113% 80-12					
2037-26-5	Toluene-D8	101%		80-12	20%			
460-00-4	4-Bromofluorobenzene	100%		82-1	14%			

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ND = Not detected MDL = Method Detection Limit RL = Reporting Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

- E = Indicates value exceeds calibration range
- N = Indicates presumptive evidence of a compound





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JD97425



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Client Samj Lab Sample Matrix: Method: Project:	ple ID: MW1 e ID: JD974 AQ - SW84 Darby	MW12R-20240930 JD97425-10 AQ - Ground Water SW846 8270E BY SIM SW846 3510C Darby Drugs, 80 Banks Avenue, Rockville Ce				Date Sampled: 09/30/24 Date Received: 10/02/24 Per cent Solids: n/a entre, NY				
Run #1 Run #2	File ID 2M136203.D	DF 1	Analyzed 10/10/24 20:06	By JY	Prep Da 10/07/24	ite 1 16:30	Prep Batch OP58377A	Analytical Batch E2M6191		
Run #1 Run #2	Initial Volum 250 ml	e Final Vol 1.0 ml	ume							
CAS No.	Compound		Result	RL	MDL	Units	Q			
123-91-1	1,4-Dioxane		ND	0.30	0.20	ug/l				
CAS No.	Surrogate R	ecoveries	Run# 1	Run# 2	Limi	ts				
4165-60-0 321-60-8 1718-51-0	Nitrobenzene 2-Fluorobiph Terphenyl-d1	Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14		65% 53% 68%		24% 22% 30%				

ND = Not detectedMDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

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4.11 4

Client Sam Lab Sample Matrix: Method: Project:	ple ID: MW13R-20241001 e ID: JD97425-11 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banl	ks Avenue, Ro	ckville (Centre, NY	Date Date Perc	Sampled: 10 Received: 10 ent Solids: n/)/01/24)/02/24 a
	File ID DF A	Analyzed	By	Prep Da	te	Prep Batch	Analytical Batch
Run #1	5A10411.D 1 1	0/08/24 13:13	NW	n/a		n/a	V5A302
Run #2	4A10412.D 10 1	0/08/24 13:31	NW	n/a		n/a	V4A302
	Purge Volume						
Run #1	5.0 ml						
Run #2	5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone ^a	ND UJ	10	3.1	ug/l		
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane ^a	ND UJ	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane	ND	1.0	0.76	ug/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l		
96-12-8	1,2-Dibromo-3-chloropropan	e ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l		
75-71- 8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l		
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloroethene	1.3	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichloroethene	443 ^b	10	5.1	ug/l		
156-60-5	trans-1,2-Dichloroethene	3.0	1.0	0.54	ug/l		
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l		
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l		
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l		
76-13-1	Freon 113	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

 $J \,=\, Indicates \ an \ estimated \ value$

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



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Client Samp Lab Sample Matrix: Method: Project:	Lab Sample ID: JD97425-11 Matrix: AQ - Ground Water Method: SW846 8260D Project: Darby Drugs, 80 Banks Avenue, Rockville Centre, N				entre, NY	Date Date Perce Y	Date Sampled: Date Received: Percent Solids:		
VOA TCL I	List								
CAS No.	Comp	ound	Result	RL	MDL	Units	Q		
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l			
79-20-9	Methy	l Acetate	ND	5.0	0.80	ug/l			
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l			
1634-04-4	Methy	l Tert Butyl Ether	ND	1.0	0.51	ug/l			
108-10-1	4-Metl	nyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l			
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l			
100-42-5	Styren	e	ND	1.0	0.49	ug/l			
79-34-5	1,1,2,3	2-Tetrachloroethane	ND	1.0	0.65	ug/l			
127-18-4	Tetrac	hloroethene	146	1.0	0.56	ug/l			
108-88-3	Toluer	ie	ND	1.0	0.49	ug/l			
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l			
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l			
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l			
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l			
79-01-6	Trichle	oroethene	180	1.0	0.53	ug/l			
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l			
75-01-4	Vinyl	chloride	3.7	1.0	0.52	ug/l			
	m,p-X	ylene	ND	1.0	0.78	ug/l			
95-47-6	o-Xyle	ene	ND	1.0	0.59	ug/l			
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l			
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Lim	its			
1868-53-7	Dibroi	mofluoromethane	95 %	95 %	80-1	20%			
17060-07-0	1,2-Di	chloroethane-D4	99 %	99 %	80-1	20%			
2037-26-5	Toluer	ne-D8	102%	100%	80-1	20%			
460-00-4	4-Bron	nofluorobenzene	93 %	91%	82-1	14%			

Report of Analysis

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- E = Indicates value exceeds calibration range
- N = Indicates presumptive evidence of a compound



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Client Sam Lab Sampl Matrix: Method: Project:	ple ID: e ID:	MW13R JD97425 AQ - Gr SW846 8 Darby D	-20241001 i-11 ound Water 3270E BY S brugs, 80 Ba	SIM SW846 35 Inks Avenue, Ro	10C ckville C	entre, NY	Date Date Perc	Sampled: 10 Received: 10 ent Solids: n/	1/01/24 1/02/24 a
Run #1 Run #2	File ID CR9266	6.D	DF 1	Analyzed 10/09/24 16:11	By JY	Prep Da 10/08/24	nte 4 14:40	Prep Batch OP58391A	Analytical Batch ECR449
Run #1 Run #2	Initial V 250 ml	Volume	Final Volu 1.0 ml	ıme					
CAS No.	Comp	ound		Result	RL	MDL	Units	Q	
123-91-1	1,4-Di	oxane		ND	0.30	0.20	ug/l		
CAS No.	Surro	gate Reco	overies	Run# 1	Run# 2	Limi	ts		
4165-60-0 321-60-8 1718-51-0	Nitrob 2-Fluo Terphe	obenzene-d5 uorobiphenyl henyl-d14		81% 66% 80%	29-124% 23-122% 22-130%				

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

NU IOI 30/24



Report of Analysis

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4.12 4

Client Sample Lab Sample Matrix: Method: Project:	ple ID: MW14R-20241001 e ID: JD97425-12 AQ - Ground Water SW846 8260D Darby Drugs, 80 Ban	ks Avenue, Roo	ckville (Centre, NY	Date Date Perc Y	Sampled: 10 Received: 10 ent Solids: n/)/01/24)/02/24 a
	File ID DF	Analyzed	Ву	Prep D	ate	Prep Batch	Analytical Batch
Run #1 ^a	4A10410.D 5	10/08/24 12:55	NW	n/a		n/a	V4A302
Run #2	2N15979.D 10	10/07/24 15:25	ED	n/a		n/a	V2N383
	Purge Volume						
Run #1	5.0 ml						
Run #2	5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone ^b	ND UJ	50	15	ug/l		
71-43-2	Benzene	ND	2.5	2.1	ug/l		
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l		
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l		
75-25-2	Bromoform	ND	5.0	3.2	ug/l		
74-83-9	Bromomethane	ND	10	8.2	ug/l		
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l		
75-15-0	Carbon disulfide	ND	10	9.0	ug/l		
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l		
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l		
75-00-3	Chloroethane	ND	5.0	3.6	ug/l		
67-66-3	Chloroform	3.4	5.0	2.5	ug/l	J	
74-87-3	Chloromethane ^b	ND UJ	5.0	3.8	ug/l		
110-82-7	Cyclohexane	ND	25	3.9	ug/l		
96-12-8	1,2-Dibromo-3-chloropropa	ne ND	10	2.6	ug/l		
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l		
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l		
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l		
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l		
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l		
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l		
156-59-2	cis-1,2-Dichloroethene	774	5.0	2.5	ug/l		
156-60-5	trans-1,2-Dichloroethene	6.3	5.0	2.7	ug/l		
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l		
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l		
100-41-4	Einyldenzene	ND	5.0	3.0	ug/i		
/0-13-1 501 70 0			25	2.9	ug/I		
221-12-0	2-riexanone	ND	25	24	ug/I		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

 $J \,=\, Indicates \ an \ estimated \ value$

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



Report of Analysis

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4.12 4

Client Sample ID: Lab Sample ID: Matrix: Method: Project:		MW14R-20241001 JD97425-12 AQ - Ground Water SW846 8260D Darby Drugs, 80 Banks	Avenue, R	Date Date Perc	Sampled: Received: ent Solids:	10/01/24 10/02/24 n/a		
VOA TCL I	List							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	5.0	3.2	ug/l		
79-20-9	Methy	l Acetate	ND	25	4.0	ug/l		
108-87-2	Methy	lcyclohexane	ND	25	3.0	ug/l		
1634-04-4	Methy	1 Tert Butyl Ether	ND	5.0	2.5	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	25	24	ug/l		
75-09-2	Methy	lene chloride	ND	10	5.0	ug/l		
100-42-5	Styren	e	ND	5.0	2.4	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	5.0	3.3	ug/l		
127-18-4	Tetrac	hloroethene	1430 ^c	10	5.6	ug/l		
108-88-3	Tolue	10	ND	5.0	2.5	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	5.0	2.5	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	5.0	2.5	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	5.0	2.7	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	5.0	2.7	ug/l		
79-01-6	Trichl	oroethene	560	5.0	2.6	ug/l		
75-69-4	Trichl	orofluoromethane	ND	10	2.0	ug/l		
75-01-4	Vinyl	chloride	20.1	5.0	2.6	ug/l		
	m,p-X	lylene	ND	5.0	3.9	ug/l		
95-47-6	o-Xyl	ene	ND	5.0	3.0	ug/l		
1330-20-7	Xylen	e (total)	ND	5.0	3.0	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibro	mofluoromethane	96%	106%	80-12	20%		
17060-07-0	1,2-D	ichloroethane-D4	99 %	108%	80-12	20%		
2037-26-5	Tolue	ne-D8	101%	101%	80-1	20%		
460-00-4	4-Bromofluorobenzene		94%	100%	82-1	14%		

(a) Dilution required due to high concentration of target compound.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound
- E = Indicates value exceeds calibration range N = Indicates value exceeds calibration range

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Report of Analysis

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Client Sample ID: Lab Sample ID: Matrix: Method: Project:		MW14R-20241001 JD97425-12 AQ - Ground Water SW846 8270E BY SIM SW846 3510C Darby Drugs, 80 Banks Avenue, Rockville Ce				Date Sampled: 10/01/24 Date Received: 10/02/24 Per cent Solids: n/a entre, NY			
Run #1 Run #2	File ID CR9267.	D	DF 1	Analyzed 10/09/24 16:34	By JY	Prep Da 10/08/24	te 14:40	Prep Batch OP58391A	Analytical Batch ECR449
Run #1 Run #2	Initial V 250 ml	olume	Final Volu 1.0 ml	me					
CAS No.	Compo	und		Result	RL	MDL	Units	Q	
123-91-1	1,4-Dio	oxane		ND	0.30	0.20	ug/l		
CAS No.	Surrogate Recoveries			Run# 1	Run# 2	Limits			
4165-60-0 321-60-8 1718-51-0	Nitrobe 2-Fluor Terpher	nzene-d5 obipheny nyl-d14	1	92% 74% 79%		29-12 23-12 22-13	24% 22% 60%		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit E = Indicates value exceeds calibration range J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

4.12

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Raw Data: 5A10407.D

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Report of Analysis

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Client Sam Lab Sample Matrix: Method: Project:	ple ID: DUP-20240930 e ID: JD97425-13 AQ - Ground Water SW846 8260D Darby Drugs, 80 Bank	s Avenue, Ro	ckville (Centre, N	Date Date Perc Y	Sampled: 09 Received: 10 ent Solids: n/)/30/24)/02/24 a
Run #1 Run #2	File ID DF A 5A10407.D 1 1	Analyzed 0/08/24 12:02	By NW	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V5A302
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone ^a	ND UJ	10	3.1	ug/l		
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/1		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	-8·- ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	11g/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	110/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	110/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	11g/1		
75-00-3	Chloroethane ^a	NDUJ	1.0	0.73	110/l		
67-66-3	Chloroform	ND	1.0	0.50	110/l		
74-87-3	Chloromethane	ND	1.0	0.76	110/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/1		
96-12-8	1.2-Dibromo-3-chloronronan	e ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	110/1		
106-93-4	1.2-Dibromoethane	ND	1.0	0.48	ug/1		
95-50-1	1.2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1.3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1.4-Dichlorobenzene	ND	1.0	0.51	110/1		
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	יאי µס/1		
75-34-3	1.1-Dichloroethane	ND	1.0	0.57	11g/l		
107-06-2	1.2-Dichloroethane	ND	1.0	0.60	11g/l		
75-35-4	1.1-Dichloroethene	ND	1.0	0.59	<u>ی</u> 110/1		
156-59-2	cis-1 2-Dichloroethene	ND	1.0	0.51	ug/1		
156-60-5	trans-1 2-Dichloroethene	ND	1.0	0.54	110/l		
78-87-5	1 2-Dichloropropage	ND	1.0	0.51	<u>5/1</u> ησ/l		
10061-01-5	cis-1 3-Dichloropropene	ND	1.0	0.01	1107/1		
10061-01-0	trans-1 3. Dichloronronene	ND	1.0	0.12	ug/1		
100.41.4	Ethylbenzene	ND	1.0	0.40	110/I		
76-13-1	Frenn 113	ND	5.0	0.00	ug/1 ug/1		
591-78-6	2-Hevanone	ND	5.0	1 8	46/1 110/1		

ND = Not detectedMDL = Method Detection Limit

RL = Reporting Limit

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E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:DUP-20240930Lab Sample ID:JD97425-13Date Sampled:Matrix:AQ - Ground WaterDate Received:Method:SW846 8260DPer cent Solids:Project:Darby Drugs, 80 Banks Avenue, Rockville Centre, NY							09/30/24 10/02/24 n/a	
VOA TCL I	List							
CAS No.	Comp	ound	Result	RL	MDL	Units	Q	
98-82-8	Isopro	pylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methy	l Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methy	lcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methy	'l Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Met	hyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methy	lene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styren	le	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,	2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrac	chloroethene	ND	1.0	0.56	ug/l		
108-88-3	Tolue	ne	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-	Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-	Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-	Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-	Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichl	oroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichl	orofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl	chloride	ND	1.0	0.52	ug/l		
	m.p-X	Kylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xyl	ene	ND	1.0	0.59	ug/l		
1330-20-7	Xylen	e (total)	ND	1.0	0.59	ug/l		
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Lim	its		
1868-53-7	Dibro	mofluoromethane	94%		80-1	20%		
17060-07-0	1,2-D	ichloroethane-D4	102%		80-1	20%		
2037-26-5	Tolue	ne-D8	99 %		80-1	20%		
460-00-4	4-Bro	mofluorobenzene	93 %		82-1	14%		

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection LimitRL = Reporting LimitE = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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4.14 4

Report	of Analysis	

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Client Sam Lab Sample Matrix: Method: Project:	ple ID: e ID:	TB-2024 JD97425 AQ - Tri SW846 9 Darby D	10927 5-14 ip Blank Wat 8260D Drugs, 80 Ban	er ks Avenue, R	ockville	Centre, N	Date Date Perc Y	Sampled: Received: ent Solids:	10/01/24 10/08/24 n/a
Run #1 Run #2	File ID GB169 [,]	42.D	DF 1	Analyzed 10/11/24 00:2	By 3 GL	Prep D n/a	ate	Prep Batch n/a	Analytical Batch VGB470
Run #1 Run #2	Purge 5.0 ml	Volume							
VOA TCL	List								
CAS No.	Comp	ound		Result	RL	MDL	Units	Q	
74-97-5 75-27-4 75-25-2 74-83-9 78-93-3 75-15-0 56-23-5 108-90-7 75-00-3 67-66-3 74-87-3 110-82-7 96-12-8 124-48-1 106-93-4 95-50-1	Bromo Bromo Bromo 2-Buta Carbo Carbo Chloro	ochlorome odichlorom oform omethane anone (MI) on disulfid on tetrachl obenzene oethane oform omethane hexane ibromo-3- mochloro ibromoeth	ethane methane EK) e oride -chloropropar methane nane	ND ND ND ND ND ND ND ND ND ND ND ND ND N	$\begin{array}{c} 1.0\\ 1.0\\ 1.0\\ 2.0\\ 10\\ 2.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1$	0.43 0.48 0.45 0.63 1.6 2.7 1.8 0.55 0.56 0.73 0.50 0.76 0.78 0.53 0.56 0.53	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		
53-30-1 541-73-1 106-46-7 75-71-8 75-34-3 107-06-2 75-35-4 156-59-2 156-60-5 78-87-5 10061-01-5 10061-02-6 100-41-4 76-13-1 591-78-6	1,2-D 1,3-D 1,4-D Dichle 1,1-D 1,2-D 1,1-D cis-1, trans- 1,2-D cis-1, trans- Ethyll Freon 2-Hex	ichlorobe ichlorobe orodifluor ichloroeth ichloroeth ichloroeth 2-Dichlor 1,2-Dichlor 3-Dichlor 3-Dichlor 1,3-Dichl benzene 113 kanone	nzene nzene nzene romethane ^a nane nane oethene oroethene opropene oropropene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	$\begin{array}{c} 1.0\\ 1.0\\ 1.0\\ 2.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1$	0.53 0.54 0.51 0.56 0.57 0.60 0.59 0.51 0.54 0.51 0.47 0.43 0.60 0.58 4.8	ug/1 ug/1 ug/1 ug/1 ug/1 ug/1 ug/1 ug/1		

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

 $J \ = \ Indicates \ an \ estimated \ value$

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



SGS North America Inc.

Client Samp	le ID: TB-20240927						
Lab Sample	ID: JD97425-14				Date	Sampled:	10/01/24
Matrix:	AQ - Trip Blank Water				Date	10/08/24	
Method:	SW846 8260D			Perce	Percent Solids:		
Project:	Darby Drugs, 80 Banks	s Avenue, F	Rockville Co	entre, NY			
VOA TCL I	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l		
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l		
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l		
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l		
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l		
100-42-5	Styrene	ND	1.0	0.49	ug/l		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l		
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l		
108-88-3	Toluene	ND	1.0	0.49	ug/l		
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l		
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l		
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l		
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l		
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l		
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l		
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l		
	m,p-Xylene	ND	1.0	0.78	ug/l		
95-47-6	o-Xylene	ND	1.0	0.59	ug/l		
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts		
1868-53-7	Dibromofluoromethane	114%		80-1	20%		
17060-07-0	1,2-Dichloroethane-D4	105%		80-12	20%		
2037-26-5	Toluene-D8	110%		80-12	20%		
460-00-4	4-Bromofluorobenzene	102%		82-1	14%		

Report of Analysis

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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Raw Data: GB16943.D

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Report of Analysis

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4.15

Client Sam Lab Sample Matrix: Method: Project:	ple ID: TB-20240927 e ID: JD97425-15 AQ - Trip Blank Water SW846 8260D Darby Drugs, 80 Bank	s Avenue, Ro	ckville	Centre, NY	Date Date Perc	Sampled: 10 Received: 10 ent Solids: n/)/01/24)/08/24 a
Run #1 Run #2	File IDDFAGB16943.D110	nalyzed 0/11/24 00:48	By GL	Prep Da n/a	ite	Prep Batch n/a	Analytical Batch VGB470
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone	ND	10	3.1	ug/l		
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l		
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane	ND	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane	ND	1.0	0.76	ug/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l		
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l		
75-71-8	Dichlorodifluoromethane ^a	NDUJ	2.0	0.56	ug/l		
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l		
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l		
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l		
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l		
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l		
76-13-1	Freon 113	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l		

MDL = Method Detection Limit ND = Not detected

RL = Reporting Limit

J = Indicates an estimated value

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



4.15

SGS North America Inc.

		Repor	t of Ana	alysis				Page 2 of 2
Client Samp Lab Sample Matrix: Method: Project:	ole ID: TB-20240927 DD: JD97425-15 AQ - Trip Blank Water SW846 8260D Darby Drugs, 80 Banks	s Avenue, 1	Rockville C	entre, NY	Date Date Perc	Sampled: Received: ent Solids:	10/01/24 10/08/24 n/a	
VOA TCL I	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l			
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l			
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l			
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l			
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l			
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l			
100-42-5	Styrene	ND	1.0	0.49	ug/l			
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l			
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l			
108-88-3	Toluene	ND	1.0	0.49	ug/l			
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l			
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l			
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l			
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l			
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l			
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l			
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l			
	m,p-Xylene	ND	1.0	0.78	ug/l			
95-47-6	o-Xylene	ND	1.0	0.59	ug/l			
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its			
1868-53-7	Dibromofluoromethane	112%		80-13	20%			
17060-07-0	1,2-Dichloroethane-D4	105%		80-13	20%			
2037-26-5	Toluene-D8	110%		80-12	20%			
460-00-4	4-Bromofluorobenzene	103%		82-1	14%			

Report of Analysis

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound





DATA USABILITY SUMMARY REPORT DARBY DRUG COMPANY, INC., ROCKVILLE CENTRE, NEW YORK

Client:	EnviroTrac Ltd., Yaphank, New York
SDG:	24J1726
Laboratory:	York Analytical Laboratories, Stratford, Connecticut
Site:	Darby Drug Company, Inc., Rockville Centre, New York
Date:	December 2, 2024

EDS ID	Client ID	Laboratory ID	Matrix
1	MW3-20241024	24J1726-01	Water
2	MW4-20241024	24J1726-02	Water
3	MW6-20241024	24/1726-03	Water
4	MW7-20241024	24J1726-04	Water
5	MW8-20241024	24/1726-05	Water
6	MW9-20241024	24J1726-06	Water
7	MW1R-20241024	24J1726-07	Water
8	MW2R-20241024	24J1726-08	Water
8MS*	MW2R-20241024MS	24J1726-08MS	Water
8MSD*	MW2R-20241024MSD	24J1726-08MSD	Water
9	MW11R-20241024	24J1726-09	Water
10	MW12R-20241024	24/1726-10	Water
11	MW13R-20241024	24J1726-11	Water
12	MW14R-20241024	24J1726-12	Water
13	DUP-20241024	24J1726-13	Water
14	Equipment Blank	24J1726-14	Water
15	Field Blank	24]1726-15	Water

* - PFAS only

A Data Usability Summary Review was performed on the analytical data for thirteen water samples, one aqueous equipment blank sample, and one aqueous field blank sample collected on October 24, 2024 by EnviroTrac at the Darby Drug Company, Inc. site in Rockville Centre, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, and the USEPA Method for the Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by Liquid Chromatography and Tandem Mass Spectrometry (LC-MS/MS).

Specific method references are as follows:

<u>Analysis</u> 1,4-Dioxane PFAS <u>Method References</u> USEPA Method 8270E SIM USEPA Method 1633 The data have been validated according to the protocols and quality control (QC) requirements of the analytical method and the USEPA Region II Data Review Standard Operating Procedures (SOPs) and the New York State Department of Environmental Conservation (NYSDEC) PFAS Data Validation Guidelines as follows:

- SOP Number QA-HWSS-A-005, April 2022, Standard Operating Procedure for the Validation of Semivolatile Data;
- NYSDEC Sampling Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), April 2023;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics/PFAS

- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Liquid Chromatography/Mass Spectrometry (LC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Target Compound Identification
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

• The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Semivolatile Organic Compounds (1,4-Dioxane)

Holding Times

• All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning

• All criteria were met.

Initial Calibration

• The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

• All %D and RRF criteria were met.

Method Blank

• The method blanks were free of contamination

Field Blank

• Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
Equipment Blank	None - ND		-	
Field Blank	None - ND		÷	÷

Surrogate Spike Recoveries

• All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

• MS/MSD samples were not analyzed.

Laboratory Control Samples (LCS)

• The LCS samples exhibited acceptable percent recoveries (%R)-

Compound Quantitation

• All criteria were met.

Internal Standard (IS) Area Performance

• All internal standards met response and retention time (RT) criteria.

Tentatively Identified Compounds (TICs)

• TICs were not reported.

Field Duplicate Sample Precision

• Field duplicate results are summarized below. The precision was acceptable.

Compound	MW2R-20241024 ug/L	DUP-20241024 ug/L	RPD	Qualifier
None	ND	ND	1. Dec. 1	

Perfluorinated Alkyl Substances (PFAS)

Holding Times

• All samples were extracted within 14 days for water samples and analyzed within 28 days.

LC/MS Tuning

• All criteria were met.

Initial Calibration

• All relative standard deviation (%RSD), %R and/or coefficient of determination criteria were met.

Continuing Calibration

The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).</p>

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
10/30/24 (2234)	NFDHA	32.2%	UJ	1-7
	PFHpA	43.1%	J	
10/31/24 (0932)	PFHpA	38.7%	Ĵ	8
10/31/24 (1610)	N-MeFOSA	31.9%	UJ	9-15
10/31/24 (1851)	PFHpA	44.6%	J/UJ	9-15

Method Blank

• The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Sample ID	Compound	Conc. ng/L	Qualifier	Affected Samples
BJ42006-BLK1	6:2 FTS	1.49	None	All Associated ND
BJ42083-BLK	6:2 FTS	1.92	U	8-15

Field QC Blank

• Field QC blank samples are summarized below.

Sample ID	Compound	Conc. ng/L	Qualifier	Affected Samples	
Equipment Blank	PFBA	0.817	None	All Associated >5X	
Field Blank	None - ND	-	1		

Surrogate Spike Recoveries

• The following table presents samples that exhibited surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Surrogate	%R	Qualifier
Several	Various	High/Low	J/UJ*

* - See Summaries on Form Is

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

• The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample	Compound	MS %R/MSD %R/RPD	Qualifier
8	11C1-PF3OUdS	OK/OK/34.9	None - Sample ND
	PFMPA	OK/OK/39.5	
	PFDoS	OK/OK/40.8	

Laboratory Control Samples

• The following table presents LCS/LCSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified and qualified (J). Results are valid and usable, however possibly biased.

LCS/LCSD	Compound	LCS %R/LCSD %R/RPD	Qualifier	Affected Samples	
BJ42006-BS1	FPrPA	46.7%	UJ	1-7	
	PFMPA	11.0%			
BJ42006-BS2	FPrPA	45.5%	None	See BS1	
	PFMPA	9.76%			
BJ42083-BS1	PFMPA	17.7%	UI	8-15	
BJ42083-BS2	PFMPA	18.6%	None	See BS1	

Internal Standard (IS) Area Performance

• All internal standards met response and retention time (RT) criteria.

Target Compound Identification

• All mass spectra and quantitation criteria were met.

Compound Quantitation

• All criteria were met.

Field Duplicate Sample Precision

• Field duplicate samples are summarized below. The precision was acceptable

Compound	MW2R-20241024 ng/L	DUP-20241024 ng/L	RPD	Qualifier
PFBS	10.2	10.5	3%	None
PFHxA	7.31	8.00	9%	
PFHpA	12.8	10.2	23%	
PFHxS	5.97	6.56	9%	
PFOA	22.9	20.6	11%	
PFOS	3.99	3.54	12%	
PFNA	1.44	1.05	31%	
PFPeA	8.12	7.78	4%	
PFBA	5.88	5.01	16%	
PFPeS	1.07	0.812	27%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver Senior Chemist

Dated: 12/3/24

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW3-20241024

Laboratory:	York Analytical I	York Analytical Laboratories, Inc Stratford			SDG:	<u>24J1726</u>		1
Client:	<u>EnviroTrac</u>				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	<u>-01</u>	File ID:	<u>E800078995.D</u>	
Sampled:	<u>10/24/24 13:30</u>	Prepared:		10/30/24	12:51	Analyzed:	11/01/24 13:20	
Solids:		Preparatio	on:	<u>EPA 353</u>	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ42100</u>	Sequence:	<u>S4K0130</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.	300	U
SYSTEM MON	TORING COMPC	UND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.0	00	2.40	60.0	36.6 - 118	

* Values outside of QC limits

NW 12/2/24 Page 1358 of 1501

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW4-20241024

Laboratory:	York Analytical L	York Analytical Laboratories, Inc Stratford			SDG:	<u>24J1726</u>		2
Client:	<u>EnviroTrac</u>				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	<u>-02</u>	File ID:	<u>E800078996.D</u>	
Sampled:	10/24/24 12:45	Prepared:		<u>10/30/24</u>	12:51	Analyzed:	11/01/24 13:38	
Solids:		Preparatio	n:	<u>EPA 353</u>	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ42100</u>	Sequence:	<u>S4K0130</u>		Calibration	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.1	300	U
SYSTEM MONI	TORING COMPO	UND	ADDED	O (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.0	00	2.40	60.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW6-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford			SDG:	<u>24J1726</u>		3	
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	<u>-03</u>	File ID:	E800078998.D	
Sampled:	10/24/24 14:00	Prepared:		10/30/24	12:51	Analyzed:	11/01/24 14:13	
Solids:		Preparatio	n:	<u>EPA 353</u>	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ42100</u>	Sequence:	<u>S4K0130</u>		Calibration	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.3	300	U
SYSTEM MONI	TORING COMPO	UND	ADDED	(ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.0	00	2.24	56.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW7-20241024

Laboratory:	York Analytical I	Laboratories, Inc Str	atford		SDG:	<u>24J1726</u>		4
Client:	EnviroTrac				Project:	Darby Drugs		•
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-04	File ID:	E800078999.D	
Sampled:	<u>10/24/24 14:15</u>	Prepared:		<u>10/30/24</u>	12:51	Analyzed:	11/01/24 14:30	
Solids:		Preparatio	on:	<u>EPA 353</u>	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ42100</u>	Sequence:	<u>S4K0130</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.	300	U
SYSTEM MONI	TORING COMPC	UND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.(00	2.56	64.0	36.6 - 118	

* Values outside of QC limits

1

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW8-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford S			SDG:	<u>24J1726</u>		5	
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-05	File ID:	E800078949.D	
Sampled:	10/24/24 14:30	Prepared:		<u>10/28/24</u>	08:34	Analyzed:	10/30/24 14:36	
Solids:		Preparatio	on:	<u>EPA 353</u>	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.3	300	U
SYSTEM MONI	TORING COMPO	UND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.()0	3.04	76.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW9-20241024

Laboratory:	York Analytical L	aboratories, Inc Str	atford		SDG:	<u>24J1726</u>		6
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-06	File ID:	<u>E800078950.D</u>	
Sampled:	10/24/24 13:00	Prepared:		10/28/24	08:34	Analyzed:	10/30/24 14:53	
Solids:		Preparatio	on:	EPA 353	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>\$4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.3	300	U
SYSTEM MONI	TORING COMPO	UND	ADDED	O (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.0	00	3.04	76.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW1R-20241024

Laboratory:	<u>York Analytical I</u>	aboratories, Inc Str	ratford		SDG:	<u>24J1726</u>		7
Client:	<u>EnviroTrac</u>				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-07	File ID:	E800078951.D	
Sampled:	<u>10/24/24 12:15</u>	Prepared:		10/28/24	08:34	Analyzed:	10/30/24 15:11	
Solids:		Preparatio	on:	EPA 353	5 <u>A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				11	0.:	300	U
SYSTEM MONI	TORING COMPO	UND	ADDEI	O (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.	00	2.72	68.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW2R-20241024

								d
Laboratory:	York Analytical I	Laboratories, Inc St	ratford		SDG:	<u>24J1726</u>		X
Client:	EnviroTrac				Project:	Darby Drugs		-
Matrix:	Ground Water	Laborator	ry ID:	<u>24J1726</u>	-08	File ID:	E800078952.D	
Sampled:	10/24/24 12:35	Prepared:		10/28/24	1 08:34	Analyzed:	10/30/24 15:28	
Solids:		Preparatio	on:	EPA 353	<u>35A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CON	C. (ug/L)	Q
123-91-1	1,4-Dioxane				11	0	.300	U
SYSTEM MONI	TORING COMPO	UND	ADDEI	O (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.0	00	2.72	68.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW11R-20241024

Laboratory:	<u>York Analytical L</u>	aboratories, Inc Str	ratford		SDG:	<u>24J1726</u>		9
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-09	File ID:	E800078953.D	
Sampled:	<u>10/24/24 12:45</u>	Prepared:		10/28/24	08:34	Analyzed:	10/30/24 15:46	
Solids:		Preparatio	on:	EPA 353	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.:	300	U
SYSTEM MONI	TORING COMPO	UND	ADDEI	O (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.0	00	2.40	60.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW12R-20241024

								()
Laboratory:	York Analytical I	aboratories, Inc Str	<u>ratford</u>		SDG:	<u>24J1726</u>		10
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-10	File ID:	E800078954.D	
Sampled:	<u>10/24/24 11:30</u>	Prepared:		10/28/24	08:34	Analyzed:	10/30/24 16:03	
Solids:		Preparatio	on:	EPA 353	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	SJ40038	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.1	300	U
SYSTEM MONI	TORING COMPO	UND	ADDED	(ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1.4-Dioxane-d8			4.0	0	3.04	76.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW13R-20241024

Laboratory:	York Analytical Labo	ratories, Inc Stratford		SDG:	<u>24J1726</u>		
Client:	EnviroTrac			Project:	Darby Drugs		•
Matrix:	Ground Water	Laboratory ID:	<u>24J1726</u>	-11	File ID:	E800078955.D	
Sampled:	10/24/24 11:50	Prepared:	10/28/24	1 08:34	Analyzed:	10/30/24 16:21	
Solids:		Preparation:	EPA 353	<u>5A</u>	Initial/Final:	125 mL / 2 mL	
Batch:	<u>BJ41856</u> Se	quence: <u>S4J3103</u>		Calibration;	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND			DILUTION	CON	C. (ug/L)	Q
123-91-1	1,4-Dioxane			1	(0.300	U
SYSTEM MON	NITORING COMPOUNI	D ADDEI	D (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8		4.	00	2.88	72.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

MW14R-20241024

Laboratory:	York Analytical L	aboratories, Inc St	atford		SDG:	<u>24J1726</u>		12
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-12	File ID:	<u>E800078957.D</u>	
Sampled:	10/24/24 12:05	Prepared:		10/28/24	108:34	Analyzed:	10/30/24 16:56	
Solids:		Preparatio	on:	<u>EPA 353</u>	<u>5A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.	300	U
SYSTEM MONI	TORING COMPO	UND	ADDED	O (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.(00	3.04	76.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

DUP-20241024

Laboratory:	York Analytical I	aboratories, Inc St	ratford		SDG:	24J1726		13
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Ground Water	Laborator	y ID:	<u>24J1726</u>	-13	File ID:	<u>E800078958.D</u>	
Sampled:	10/24/24 12:35	Prepared:		10/28/24	1 08:34	Analyzed:	<u>10/30/24 17:13</u>	
Solids:		Preparatio	on:	EPA 353	35A	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.1	300	U
SYSTEM MONI	TORING COMPC	UND	ADDEI	D (ug/L)	CONC (ug/L)	% REC	OC LIMITS	0
1,4-Dioxane-d8			4.	00	2.88	72.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

Equipment Blank

								6.1
Laboratory:	York Analytical La	boratories, Inc Str	atford		SDG:	<u>24J1726</u>		14
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Water	Laborator	y ID:	24J1726	-14	File ID:	E800078959.D	
Sampled:	10/24/24 14:40	Prepared:		10/28/24	08:34	Analyzed:	10/30/24 17:31	
Solids:		Preparatio	on:	EPA 353	5A	Initial/Final:	<u>125 mL/2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	SJ40038	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CON	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	().300	U
SYSTEM MON	ITORING COMPOL	JND	ADDEI	D (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.	00	3.20	80.0	36.6 - 118	

ORGANIC ANALYSIS DATA SHEET EPA 8270E SIM

Field Blank

Laboratory:	York Analytical I	aboratories, Inc St	ratford		SDG:	<u>24J1726</u>		15
Client:	EnviroTrac				Project:	Darby Drugs		
Matrix:	Water	Laborato	y ID:	<u>24J1726</u>	-15	File ID:	E800078960.D	
Sampled:	10/24/24 14:50	Prepared		10/28/24	08:34	Analyzed:	10/30/24 17:49	
Solids:		Preparati	on:	<u>EPA 353</u>	5 <u>A</u>	Initial/Final:	<u>125 mL / 2 mL</u>	
Batch:	<u>BJ41856</u>	Sequence:	<u>S4J3103</u>		Calibration:	<u>SJ40038</u>	Instrument:	MSBNA8
CAS NO.	COMPOUND				DILUTION	CONC	C. (ug/L)	Q
123-91-1	1,4-Dioxane				1	0.	300	U
SYSTEM MONI	TORING COMPO	UND	ADDEI	D (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8			4.	00	2.72	68.0	36.6 - 118	



ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW3-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>	1
Client:	EnviroTrac	Project:	Darby Drugs	
Matrix:	Ground Water Laboratory ID: 24J172	6-01	File ID: QQQ45636.d	
Sampled	10/24/24 13:30 Prepared: 10/29/	24 15:32	Analyzed: 10/30/24 23:22	
	<u>10/24/24 15:50</u> Frepared. <u>10/24/24</u>	<u>19.52</u>	Analyzed. <u>10/50/24/25.22</u>	Sec. 1.
Solids:	Preparation: <u>EPA 16</u>	533 Prep	Initial/Final: <u>551.78 mL / 5 n</u>	<u>nL</u>
Batch:	<u>BJ42006</u> Sequence: <u>S4J3116</u>	Calibration:	SJ40012 Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	3.31	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	8.05	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	6.94	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	3.47	
335-67-1	Perfluorooctanoic acid (PFOA)	1	12.2	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	8.39	
375-95-1	Perfluorononanoic acid (PFNA)	1	4.08	
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.81	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.81	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.81	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.81	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.81	U
2355-31-9	N-MeFOSAA	1	1.81	U
2991-50-6	N-EtFOSAA	1	1.81	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	7.63	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.81	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.73	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.75	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	6.89	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	6.96	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	t	5.47	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.23	U
151772-58-6	Perfluoro-3.6-dioxaheptanoic acid (NFDHA)	1	3.62	1 W WJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.62	JUN X
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.62	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.70	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.80	U
13252-13-6	HFPO-DA (Gen-X)	1	7.25	U
763051-92-9	11CL-PF3OUdS	1	6.85	U
756426-58-1	9CL-PF3ONS	1	6.78	U
919005-14-4	ADONA	1	6.85	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.76	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.74	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.53	× WUJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	22.7	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	22.7	U
24448-09-7	N-MeFOSE	1	18.1	U
31506-32-8	N-MeFOSA	1	1.81	U
1691-99-2	N-EtFOSE	1	18.1	CNU
4151-50-2	N-EtFOSA	1	1.81	U

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MW3-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	24J1726		10
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: <u>24J1726</u>	-01	File ID:	<u>QQQ45636.d</u>	
Sampled:	<u>10/24/24 13:30</u> Prepared:	10/29/24	15:32	Analyzed:	10/30/24 23:22	
Solids:	Preparatio	n: <u>EPA 163</u>	3 Prep	Initial/Final:	551.78 mL / 5 m	L
Batch:	BJ42006 Sequence:	S4J3116	Calibration:	SJ40012	Instrument:	- LC000
CASNO			DULUTION	CON		
1100.05 (DILUTION	COINC		Q
1180-95-6	Taurodeoxycholic Acid (TDCA)					U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	11			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MONI	TORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.1	17.5	82.8	25 - 150	
M5PFHxA		22.7	22.4	98.8	25 - 150	
M4PFHpA		22.7	16.7	73.6	25 - 150	
M3PFHxS		21.5	18.6	86.8	25 - 150	
Perfluoro-n-[13C	8]octanoic acid (M8PFOA)	22.7	25.5	113	25 - 150	
M6PFDA		11.3	9.98	88.1	25 - 150	
M7PFUdA		11.3	7.53	66.4	25 - 150	
Perfluoro-n-[1,2-	13C2]dodecanoic acid (MPFDoA)	11.3	3.97	35.1	25 - 150	
M2PFTeDA		11.3	1.59	14.1	10 - 150	
Perfluoro-n-[13C	24]butanoic acid (MPFBA)	90.6	77.5	85.6	25 - 150	
Perfluoro-1-[13C	28]octanesulfonic acid (M8PFOS)	21.7	21.4	98.5	25 - 150	12.00
Perfluoro-n-[13C	C5]pentanoic acid (M5PFPeA)	45.3	44.8	98.8	25 - 150	1
Perfluoro-1-[13C	28]octanesulfonamide (M8FOSA)	22.7	19.5	85.9	10 - 150	
d3-N-MeFOSAA		45.3	29.8	65.8	25 - 150	
d5-N-EtFOSAA		45.3	30.7	67.8	25 - 150	
M2-6:2 FTS		43.1	36.2	84.1	25 - 200	
M2-8:2 FTS		43.5	27.8	63.9	25 - 200	
M9PFNA		11.3	9.34	82.5	25 - 150	
M2-4:2 FTS		42.5	47.8	113	25 - 150	
d-N-MeFOSA		22.7	8.48	37.4	25 - 150	-
d-N-EtFOSA		22.7	7.06	31.2	25 - 150	
M3HFPO-DA		90.6	80.5	88.8	25 - 150	
d9-N-EtFOSE		227	54.3	24.0	25 - 150	
d7-N-MeFOSE		227	87.3	38.5	25 - 150	
INTERNAL STA	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		14229.49	1.225467	16044.63	1.234633	
MPFDA		5066.412	8.772933	6072.83	8.772917	
MPFHxA		14268.08	6.196317	15602.51	6.205567	
MPFHxS		1454.167	7.11235	1527.053	7.1216	
MPFNA		6806.697	8.265384	7820.77	8.265384	
MPFOA		14432.04	7.680917	17576.08	7.690166	
MPFOS		4136.182	8.30125	4757.775	8.30125	
Perfluoro-n-[130	C9]nonanoic acid (M9PFNA)-EIS	1741.195	8.264983	2141.99	8.264983	
Perfluoro-n-[130	C8]octanoic acid (M8PFOA)-EIS	12411.55	7.68045	14138.04	7.6897	
Perfluoro-n-[130	C54]pentanoic acid (M5PFPeA)-EIS	43232.51	4.55105	44317.15	4.56945	
Perfluoro-n-[130	C4]butanoic acid (MPFBA)-EIS	52476.26	1.223167	71017.5	1.23235	
Perfluoro-n-[1,2-	-13C2]dodecanoic acid (MPFDoA)-EIS	4290.269	9.58695	10797.92	9.58695	

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MW4-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>	2
Client:	EnviroTrac	Project:	Darby Drugs	
Matrix:	Ground Water Laboratory ID: 24J172	6-02	File ID: <u>QQQ45637.d</u>	
Sampled:	10/24/24 12:45 Prepared: 10/29/2	4 15:32	Analyzed: 10/30/24 23:39	
Solider	Propagation: EDA 16	22 Drop	Initial/Einel: 540.84 mL / 5	ml
Solids:	Preparation: <u>EPA to</u>	<u>SS Prep</u>	Initial/Final: $549.84 \text{ mL}/5$	<u>mL</u>
Batch:	<u>BJ42006</u> Sequence: <u>S4J3116</u>	Calibration:	SJ40012 Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	3.07	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	6.21	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	8.67	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	2.19	
335-67-1	Perfluorooctanoic acid (PFOA)	1	13.7	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	5.95	
375-95-1	Perfluorononanoic acid (PFNA)	1	6.89	
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.82	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.82	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.82	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.82	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.82	U
2355-31-9	N-MeFOSAA	1	1.82	U
2991-50-6	N-EtFOSAA	1	1.82	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	5.25	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.82	U
375-92-8	Perfluoro-1-bentanesulfonic acid (PEHnS)	1	1 74	U
335-77-3	Perfluoro-1-decanesulfonic acid (PEDS)	1	1.76	U
27619-97-2	1H 1H 2H 2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	6.91	U
39108-34-4	1H 1H 2H 2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	6.98	1
375-22-4	Perfluoro-n-butanoic acid (PEBA)	1	8.22	0
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PEESA)	1	3.24	II
151772-58-6	Perfluoro-3 6-dioxabentanoic acid (NEDHA)	1	3.64	411
377-73-1	Perfluoro-4-ovapentanoic acid (PEMPA)	1	3.64	INTH
863090-89-5	Perfluoro-5-ovabevanoic acid (PEMRA)	1	3.64	
2706 01 4	Parfuoro 1 pontanegulfonato (PEPaS)	1	1.71	U
757124 72 4	14 14 24 24 Parfluorobovenegulfenie agid (4:2 ETS)	1	6.82	0
12252 12 6	HERO DA (Con X)	1	7.27	0
762051 02 0		1	1.27	U
703031-92-9		1	0.87	U
730420-38-1	ADONA	1	6.80	U
919003-14-4	ADONA	1	0.87	0
/9/80-39-5	Perfluorododecanesultonic acid (PFDoS)	1	1.76	U
08259-12-1	Periluoro-1-nonanesultonic acid (PFNS)		1.75	U
356-02-5	3-Pertluoropropyl propanoic acid (FPrPA)		4.55	u) e
914637-49-3	3-Pertluoropentyl propanoic acid (FPePA)	1	22.7	U
812-70-4	3-Pertluoroheptyl propanoic acid (FHpPA)	1	22.7	U
24448-09-7	N-MeFOSE	11	18.2	U
31506-32-8	N-MeFOSA	1	1.82	Ų
1691-99-2	N-EtFOSE	1	18.2	U
4151-50-2	N-EtFOSA	1	1.82	U

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MW4-20241024

Laboratory:	Vork Analytical Laboratories, Inc Str	atford	SDC:	2411726		2
Climate	Tork Anarytical Laboratories, Inc Su	anoru	300.	<u>24J1720</u>		1
Client:	EnviroIrac		Project:	<u>Darby Drugs</u>		
Matrix:	Ground Water Laborator	y ID: <u>24J1726</u>	-02	File ID:	<u>QQQ45637.d</u>	
Sampled:	<u>10/24/24 12:45</u> Prepared:	10/29/24	4 15:32	Analyzed:	10/30/24 23:39	
Solids:	Preparatio	on: <u>EPA 163</u>	33 Prep	Initial/Final:	<u>549.84 mL / 5 m</u>	L
Batch:	BJ42006 Sequence:	S4J3116	Calibration:	SJ40012	Instrument:	LCQQQ
CAS NO.	COMPOUND		DILUTION	CON	C (ng/L)	0
1180-95-6	Taurodeoxycholic Acid (TDCA)		1	0011	0. (115)	
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
14005-22-2	Thuroursoucoxycholic Acid (TODCA)		1		-	
SYSTEM MON	NITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.2	20.8	98.0	25 - 150	1
M5PFHxA		22.7	25.9	114	25 - 150	
M4PFHpA		22.7	19.8	87.2	25 - 150	
M3PFHxS		21.6	22.4	104	25 - 150	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)	22.7	30.5	134	25 - 150	
M6PFDA		11.4	12.2	107	25 - 150	
M7PFUdA		11.4	8.29	72.9	25 - 150	
Perfluoro-n-[1,2	2-13C2]dodecanoic acid (MPFDoA)	11.4	4.25	37.4	25 - 150	
M2PFTeDA		11.4	2.61	23.0	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)		90.9	44.8	49.2	25 - 150	
Perfluoro-1-[13	C8]octanesulfonic acid (M8PFOS)	21.8	26.5	122	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)		45.5	57.0	125	25 - 150	<u></u>
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)		22.7	25.6	112	10 - 150	
d3-N-MeFOSAA		45.5	41.5	91.2	25 - 150	
d5-N-EtFOSAA	A	45.5	41.6	91.6	25 - 150	
M2-6:2 FTS		43.2	74.8	173	25 - 200	
M2-8:2 FTS		43.6	49.2	113	25 - 200	
M9PFNA		11.4	11.2	98.8	25 - 150	
M2-4:2 FTS		42.6	80.0	187	25 - 150	1
d-N-MeFOSA		22.7	8.52	37.5	25 - 150	
d-N-EtFOSA		22.7	5.98	26.3	25 - 150	
M3HFPO-DA		90.9	93.5	103	25 - 150	
d9-N-EtFOSE		227	60.7	26.7	25 - 150	
d7-N-MeFOSE		227	95.4	42.0	25 - 150	
INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	0
M3PFBA		13156.29	1,216283	16044.63	1.234633	
MPFDA		4302.156	8 763667	6072.83	8 772917	
MPFH×A		10343 14	6 187067	15602 51	6 205567	
MPFHxS		1178 297	7 11235	1527.053	7 1216	-
MPENA		5874 226	8 256117	7820.77	9 265384	-
MPFOA		12231 17	7 671667	17576 08	7 600166	
MPEOS		3600 676	8 201094	4757 775	9 20125	-
Derfluero n [12	COlponencie soid (MODENA) EIS	1900 775	0.271984	4/3/.//3	0.30123	-
Porfluoro = [12	C2]actancia acid (M9FFINA)-EIS	1000.775	8.204983	2141.99	8.204983	
Perfluoro-n-[13	Cojuctanoic acid (MiSPFUA)-EIS	12578.75	/.0/1183	14138.04	/.689/	-
Pertiuoro-n-[13	Cotipentanoic acid (MSPFPeA)-EIS	39/51.61	4.532667	44317.15	4.56945	
Pertluoro-n-[13	C4 Joutanoic acid (MPFBA)-EIS	27913.26	1.213983	71017.5	1.23235	
Perfluoro-n-[1,2	2-13C2 dodecanoic acid (MPFDoA)-EIS	3887.727	9.58695	10797.92	9.58695	



ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW6-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>	3
Client:	EnviroTrac	Project:	Darby Drugs	
Matrix:	Ground Water Laboratory ID: 24117	26-03	File ID: 00045638 d	
Generale de	10/24/24 14:00 Proceed: 10/20/	24.15-22		F
Sampled:	<u>10/24/24 14:00</u> Prepared: <u>10/29/</u>	24 15:32	Analyzed: $10/30/24/23:5$	2
Solids:	Preparation: EPA 1	633 Prep	Initial/Final: <u>545.63 mL / 5</u>	mL
Batch:	<u>BJ42006</u> Sequence: <u>S4J3116</u>	Calibration:	SJ40012 Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	5.22	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	11.8	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	16.6	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	3.77	
335-67-1	Perfluorooctanoic acid (PFOA)	1	31.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	46.1	
375-95-1	Perfluorononanoic acid (PFNA)	1	1.72	J
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.83	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.83	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.83	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.83	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.83	U
2355-31-9	N-MeFOSAA	1	1.83	U
2991-50-6	N-EtFOSAA	1	1.83	U
2706-90-3	Perfluoropentanoic acid (PEPeA)	1	8 35	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.83	U
375-92-8	Perfluoro-1-beptanesulfonic acid (PEHpS)	1	1.75	U
335-77-3	Perfluoro-1-decanesulfonic acid (PEDS)	1	1.77	U
27619-97-2	1H 1H 2H 2H-Perfluorooctanesulfonic acid (6·2 FTS)	1	6.96	U
39108-34-4	1H.1H.2H.2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.04	U
375-22-4	Perfluoro-n-hutanoic acid (PFBA)	1	16.6	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.26	U
151772-58-6	Perfluoro-3 6-dioxaheptanoic acid (NFDHA)	1	3.67	UTH
377-73-1	Perfluoro-4-oxapentanoic acid (PEMPA)	1	3.67	MT H
863090-89-5	Perfluoro-5-oxabexanoic acid (PFMBA)	1	3.67	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.804	J
757124-72-4	1H 1H 2H 2H-Perfluorobexanesulfonic acid (4:2 FTS)	1	6.87	<u>,</u> П
13252-13-6	HEPO-DA (Gen-X)	1	7 33	U U
763051-92-9	LICL-PF30UdS	1	6.93	U
756426-58-1	9CL_PF3ONS	1	6.85	1
919005-14-4	ADONA	1	6.03	U
79780-39-5	Perfluorododecanesulfonic acid (PEDoS)	1	1 78	U
68259.12.1	Perfluoro 1 nonanegulfonic acid (PENS)	1	1.76	U
356-02-5	3-Perfluoropropyl propanoje acid (FPrPA)	1	4.58	411
914637_40_2	3-Perfluoropentyl propanoic acid (FPaPA)	1	7.00	1
812-70-4	3-Perfluorohentyl propanoic acid (FUSPA)	1	22.7	11
24448_00_7	N-MeFOSE	1	19.1	
31506.22.9	N-MeEOSA	1	1.92	
1601_00_2	N-EtEOSE	1	1.03	U TT
4151 50 2	N-EtFOSA	1	1 0.3	
-151-50-2	IT-LI OOA		1.0.5	0
ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW6-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	2411726		3
Client	EnviroTroc		Drojacti	Desky Davas		
Chent:	Envirotrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: <u>24J1726</u>	-03	File ID:	<u>QQQ45638.d</u>	
Sampled:	<u>10/24/24 14:00</u> Prepared:	10/29/24	15:32	Analyzed:	10/30/24 23:55	
Solids:	Preparatio	on: <u>EPA 163</u>	<u>3 Prep</u>	Initial/Final:	<u>545.63 mL / 5 m</u>	L
Batch:	BJ42006 Sequence:	<u>S4J3116</u>	Calibration:	SJ40012	Instrument:	LCQQQ
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	0
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1			П
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEMMON	NTORING COMPOUND	ADDED (ng/L)	CUNC (ng/L)	% REC	QULIMITS	Q
M3PFBS		21.4	19.6	92.0	25 - 150	-
M5PFHxA		22.9	29.5	129	25 - 150	
M4PFHpA		22.9	22.5	98.1	25 - 150	
M3PFHxS		21.7	21.5	98.9	25 - 150	-
Perfluoro-n-13	C8 octanoic acid (M8PFOA)	22.9	25.2	110	25 - 150	
M6PFDA		11.5	14.3	125	25 - 150	
M/PFUdA		11.5	11.2	98.2	25 - 150	1
Perfluoro-n-[1,	2-13C2)dodecanoic acid (MPFDoA)	11.5	8.67	75.7	25 - 150	
M2PFTeDA		11.5	6.22	54.3	10 - 150	
Perfluoro-n-13	C4 butanoic acid (MPFBA)	91.6	53.7	58.6	25 - 150	
Pertluoro-1-13	SC8 octanesultonic acid (M8PFOS)	21.9	26.3	120	25 - 150	
Perfluoro-n-13	CS pentanoic acid (MSPFPeA)	45.8	60.0	131	25 - 150	
Perfluoro-1-113	(M8FOSA)	22.9	27.0	118	10 - 150	
d3-N-MEFUSA	AA	45.8	47.7	104	25 - 150	
do-N-EIFUSAA	4	45.8	51.9	113	25 - 150	
M2-6:2 F1S		43.6	83.0	190	25 - 200	
M2-8:2 FIS		44.0	63.7	145	25 - 200	
M9PFNA		11.5	10.7	93.6	25 - 150	1
MI2-4:2 F15		43.0	80.9	188	25 - 150	-
d-N-MEFUSA		22.9	17.0	74.0	25 - 150	-
d-N-EIFUSA		22.9	12.2	53.4	25 - 150	
MON ELEOSE		91.0	95.7	104	25 - 150	-
d7-N-MeFOSE	1	229	138	78.4	25 - 150	
			100	70.1	25 150	
INTERNAL ST	IANDARD	AREA	RI	REF AREA	REF RI	Q
M3PFBA		12973.68	1.225467	16044.63	1.234633	-
MPFDA		4398.009	8.772933	6072.83	8.772917	-
MPFHxA		9121.9	6.187067	15602.51	6.205567	
MPFHxS		1198.101	7.11235	1527.053	7.1216	
MPFNA		6536.757	8.256117	7820.77	8.265384	
MPFOA		13126.96	7.680917	17576.08	7.690166	
MPFOS		3624.6	8.291984	4757.775	8.30125	
Perfluoro-n-[13	3C9]nonanoic acid (M9PFNA)-EIS	1876.042	8.255716	2141.99	8.264983	_
Perfluoro-n-[1]	3C8]octanoic acid (M8PFOA)-EIS	11064.28	7.671183	14138.04	7.6897	
Perfluoro-n-[1]	3C54]pentanoic acid (M5PFPeA)-EIS	36631.7	4.541867	44317.15	4.56945	
Perfluoro-n-[1]	3C4]butanoic acid (MPFBA)-EIS	32765.18	1.223167	71017.5	1.23235	1
Perfluoro-n-[1,	2-13C2]dodecanoic acid (MPFDoA)-EIS	8038.537	9.5962	10797.92	9.58695	

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MW7-20241024

SDG: Laboratory: York Analytical Laboratories, Inc. - Stratford 24J1726 Client: EnviroTrac Project: Darby Drugs Matrix: Ground Water File ID: Laboratory ID: 24J1726-04 QQQ45639.d Sampled: 10/24/24 14:15 Prepared: 10/29/24 15:32 Analyzed: 10/31/24 00:11 Solids: Preparation: EPA 1633 Prep Initial/Final: 558.18 mL / 5 mL Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LC000 CAS NO. COMPOUND DILUTION CONC. (ng/L) Q 375-73-5 Perfluorobutanesulfonic acid (PFBS) 1 4.83 307-24-4 Perfluorohexanoic acid (PFHxA) 1 7.09 1 375-85-9 Perfluoroheptanoic acid (PFHpA) 1 13.3 355-46-4 Perfluorohexanesulfonic acid (PFHxS) 1 1.98 335-67-1 Perfluorooctanoic acid (PFOA) 43.4 1 1763-23-1 Perfluorooctanesulfonic acid (PFOS) 1 12.1 375-95-1 Perfluorononanoic acid (PFNA) 1 2.56 335-76-2 Perfluorodecanoic acid (PFDA) 1 1.79 U 2058-94-8 Perfluoroundecanoic acid (PFUnA) 1 1.79 U 307-55-1 Perfluorododecanoic acid (PFDoA) 1 1.79 U 72629-94-8 Perfluorotridecanoic acid (PFTrDA) 1 1.79 U 376-06-7 Perfluorotetradecanoic acid (PFTA) 1 1.79 U 2355-31-9 N-MeFOSAA 1 1.79 U 1 1.79 U 2991-50-6 N-EtFOSAA 2706-90-3 Perfluoropentanoic acid (PFPeA) 1 5.62 754-91-6 Perfluoro-1-octanesulfonamide (FOSA) U 1 1.79 375-92-8 U Perfluoro-1-heptanesulfonic acid (PFHpS) 1 1.71 335-77-3 Perfluoro-1-decanesulfonic acid (PFDS) 1 1.73 U U 27619-97-2 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) 6.81 1 39108-34-4 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1 6.88 U 375-22-4 Perfluoro-n-butanoic acid (PFBA) 1 12.7 1 113507-82-7 Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) U 3.19 UJ 151772-58-6 Perfluoro-3,6-dioxaheptanoic acid (NFDHA) 1 3.58 X 377-73-1 1 NJE Perfluoro-4-oxapentanoic acid (PFMPA) 3.58 863090-89-5 Perfluoro-5-oxahexanoic acid (PFMBA) 1 3.58 U 2706-91-4 Perfluoro-1-pentanesulfonate (PFPeS) 1 1.68 U 757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.72 U 13252-13-6 HFPO-DA (Gen-X) 1 7.17 U 763051-92-9 11CL-PF3OUdS 1 6.77 U 9CL-PF3ONS 756426-58-1 1 6.70 U 919005-14-4 ADONA 6.77 U 1 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1.74 1 U 1 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1.72 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.48 41 4 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 22.4 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHpPA) 1 22.4 U 24448-09-7 N-MeFOSE 1 17.9 U 31506-32-8 N-MeFOSA 1.79 U 1 1691-99-2 N-EtFOSE 1 17.9 U 4151-50-2 N-EtFOSA 1.79 U 1

ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW7-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	24J1726		4
Client:	EnviroTrac		Project	Dorby Drugs		•
enent.	Environae		Flojeci.	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: <u>24J1726</u>	-04	File ID:	<u>QQQ45639.d</u>	
Sampled:	<u>10/24/24 14:15</u> Prepared:	<u>10/29/24</u>	15:32	Analyzed:	10/31/24 00:11	
Solids:	Preparatio	on: <u>EPA 163</u>	3 Prep	Initial/Final:	<u>558.18 mL / 5 m</u>	L
Batch:	BJ42006 Sequence:	S4J3116	Calibration:	SJ40012	Instrument:	LCQQQ
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SVSTEM MON			CON(C (ng/L))	N/ DEC	OCLIMITS	
MADEDO				70 KEC	QC LIMITS	Q
MSDELL-A		20.9	21.5	103	25 - 150	-
MADEU		22.4	19.5		25 - 150	-
M2DELL-S		22.4	18.5	82.7	25 - 150	-
MOPPHXS	Celesterois said (MAREOA)	21.2	23.9	113	25 - 150	-
MCDEDA	Calocianoic acid (MappoA)	22.4	28.1	126	25 - 150	
MOPFDA		11.2	13.8	124	25 - 150	
MITTOUA	12C2ldodoonoin naid (MBEDoA)	11.2	10.4	92.0	25 - 150	-
MODETaDA	2-13C2 douecanoic acid (MPPDOA)	11.2	0.15	22.1	25 - 150	-
Perfluoro n [13	CAlbutanoia agid (MBERA)	20.6	2.30	23.1	10 - 130	
Perfluoro 1 [13	Celostanesulfonia acid (MEREOS)	09.0	43.3	30.8	25 - 150	-
Perfluoro-n-[13	C5]pentanoic acid (MSPEPeA)	44.8	49.5	109	25 - 150	
Perfluoro-1-[13	C8 loctanesulfonemide (M8EOSA)	22.4	46.5	100	25 - 150	
d3-N-MeFOSA		44.8	37.3	82.2	25 150	
d5-N-EtEOSA A		44.8	37.6	84.0	25 - 150	
M2-6-2 FTS	X	47.6	55.0	131	25 - 200	1
M2-8:2 FTS		43.0	39.2	91.1	25 - 200	1
M9PFNA		11.2	10.8	96.2	25 - 150	
M2-4:2 FTS		42.0	71.2	169	25 - 150	1
d-N-MeFOSA		22.4	9.14	40.8	25 - 150	
d-N-EtFOSA		22.4	6.27	28.0	25 - 150	1
M3HFPO-DA		89.6	89.2	99.5	25 - 150	
d9-N-EtFOSE		224	56.6	25.3	25 - 150	
d7-N-MeFOSE		224	109	48.5	25 - 150	1
INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	0
M3PFBA		12182.4	1.234633	16044.63	1.234633	
MPFDA		4281.862	8.782184	6072.83	8.772917	1
MPFHxA		12071.59	6,196317	15602.51	6.205567	
MPFHxS		1183.672	7.1216	1527.053	7.1216	
MPFNA		6219.24	8.265384	7820 77	8.265384	
MPFOA		13375 34	7 690166	17576.08	7 690166	
MPFOS		3536 518	8 30125	4757 775	8 30125	
Perfluoro-n-[13	C9]nonanoic acid (M9PENA)-FIS	1855 547	8 2747	2141 00	8 264083	
Perfluoro-n-[13	C8]octanoic acid (M8PEOA)-EIS	12878 15	7 68045	14138.04	7 6807	
Perfluoro-n-[13	C54]pentanoic acid (MSPEPe A)_EIS	40032.45	4 56025	4431715	A 56045	
Perfluoro-n-[13	C4]butanoic acid (MPFRA)-FIS	26675 38	1 22225	71017.5	1 22225	
Perfluoro-n-[1	2-13C21dodecanoic acid (MDEDoA) EIS	5661 167	0.605422	10707.02	0.59405	

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MW8-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>	5
Client:	EnviroTrac	Project:	Darby Drugs	
Matrix:	Ground Water Laboratory ID: 24J172	6-05	File ID: <u>QQQ45640.d</u>	
Sampled:	10/24/24 14:30 Prepared: 10/29/2	24 15:32	Analyzed: 10/31/24 00:27	
Solids:	Preparation: EPA 1/	33 Pren	Initial/Final: 555.3 mL / 5 ml	
D i 1				4 0000
Batch:	<u>BJ42006</u> Sequence: <u>S4J3116</u>	Calibration:	SJ40012 Instrument:	
CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	2.03	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	5.04	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	9.04	3
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.58	J
335-67-1	Perfluorooctanoic acid (PFOA)	1	42.5	1
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	9.09	
375-95-1	Perfluorononanoic acid (PFNA)	1	1.91	1
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.80	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.80	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.80	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.80	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.80	U
2355-31-9	N-MeFOSAA	1	1.80	U
2991-50-6	N-EtFOSAA	1	1.80	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	4.13	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.80	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.72	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	_ 1	1.74	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	6.84	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	6.92	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	4.73	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.21	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.60	NJK
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.60	NJN
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.60	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.69	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.75	U
13252-13-6	HFPO-DA (Gen-X)	1	7.20	U
763051-92-9	11CL-PF3OUdS	1	6.81	U
756426-58-1	9CL-PF3ONS	1	6.74	U
919005-14-4	ADONA	1	6.81	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.75	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.73	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.50	UTE
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	22.5	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	22.5	U
24448-09-7	N-MeFOSE	1	18.0	U
31506-32-8	N-MeFOSA	1	1.80	U
1691-99-2	N-EtFOSE	1	18.0	U
4151-50-2	N-EtFOSA	1	1.80	U

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MW8-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	24J1726		5
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: 24J1726-	-05	File ID:	OQO45640.d	
Sampled:	10/24/24 14:30 Prepared:	10/29/24	15:32	Analyzed:	10/31/24 00:27	
Solids:	Prenaratio	EPA 163	3 Prep	Initial/Final:	555 3 m[/ 5 m]	
Batch:	B1/2006 Sequence:	SA13116	Calibration	S 140012	Instrument:	I COOO
	<u>BJ42000</u> Sequence.	3433110		3340012	msnument.	
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA	L)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1	1		U
SYSTEM MON	IITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.0	20,6	98.2	25 - 150	
M5PFHxA		22.5	27.6	123	25 - 150	1
M4PFHpA		22.5	22.5	99.8	25 - 150	
M3PFHxS		21.3	23.3	109	25 - 150	
Perfluoro-n-[130	C8loctanoic acid (M8PFOA)	22.5	25.0	111	25 - 150	
M6PFDA		11.3	14.0	125	25 - 150	
M7PFUdA		11.3	9.95	88.4	25 - 150	1
Perfluoro-n-[1.2	-13C2ldodecanoic acid (MPFDoA)	11.3	9.11	80.9	25 - 150	1
M2PFTeDA		11.3	7.74	68.8	10 - 150	
Perfluoro-n-[130	C4lbutanoic acid (MPFBA)	90.0	59.1	65.6	25 - 150	
Perfluoro-1-[130	C8loctanesulfonic acid (M8PFOS)	21.6	25.4	118	25 - 150	
Perfluoro-n-[130	C5]pentanoic acid (MSPFPeA)	45.0	53.2	118	25 - 150	
Perfluoro-1-[130	C8loctanesulfonamide (M8FOSA)	22.5	25.3	112	10 - 150	
d3-N-MeFOSA	A	45.0	41.4	91.9	25 - 150	
d5-N-EtFOSAA		45.0	45.8	102	25 - 150	
M2-6:2 FTS		42.8	55.5	130	25 - 200	
M2-8:2 FTS		43.2	42.8	98.9	25 - 200	
M9PFNA		11.3	11.7	104	25 - 150	
M2-4:2 FTS		42.2	68.6	162	25 - 150	6
d-N-MeFOSA		22.5	15.9	70.5	25 - 150	
d-N-EtFOSA		22.5	13.4	59.5	25 - 150	
M3HFPO-DA		90.0	95.9	107	25 - 150	
d9-N-EtFOSE		225	136	60.5	25 - 150	
d7-N-MeFOSE		225	180	79.9	25 - 150	
INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		14733.85	1.225467	16044.63	1.234633	
MPFDA		4649.613	8.735867	6072.83	8.772917	
MPFHxA		11124.49	6.187067	15602.51	6.205567	
MPFHxS		1230.518	7.084617	1527.053	7.1216	
MPFNA		6422.604	8.2283	7820.77	8,265384	
MPFOA		13600.42	7.642334	17576.08	7.690166	
MPFOS		3734.03	8,263783	4757.775	8,30125	
Perfluoro-n-[13	C9]nonanoic acid (M9PFNA)-EIS	2075.533	8,2279	2141.99	8.264983	
Perfluoro-n-[13	C8loctanoic acid (M8PFOA)-EIS	11563.13	7.641933	14138.04	7 6897	
Perfluoro-n-[13	C54]pentanoic acid (M5PFPeA)-FIS	40264 54	4,56025	44317.15	4,56945	17
Perfluoro-n-[13	C4lbutanoic acid (MPFBA)-FIS	41688.14	1 223167	71017.5	1 23235	
Perfluoro-p-[1]	2-13C2ldodecanoic acid (MPEDoA)-EIS	0072 332	9 56845	10707 02	9 58695	

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MW9-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>		1.
Client:	EnviroTrac	Project:	Darby Drugs		Ý
Matrix:	Ground Water Laboratory ID: 24J17	26-06	File ID:	<u>QQQ45641.d</u>	
Sampled:	<u>10/24/24 13:00</u> Prepared: <u>10/29</u>	/24 15:32	Analyzed:	10/31/24 00:43	
Solids:	Preparation: EPA 1	633 Prep	Initial/Final:	559.27 mL / 5 n	nL
Batch:	<u>BJ42006</u> Sequence: <u>S4J3116</u>	Calibration:	SJ40012	Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CONC	. (ng/L)	0
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	4	92	
307-24-4	Perfluorobexanoic acid (PEHxA)	1	7	84	1
375-85-9	Perfluorohentanoic acid (PFHnA)	1	8.	47	T
355-46-4	Perfluorohevanesulfonic acid (PEHxS)	1	0.	70	
335-67-1	Perfluorooctanoic acid (PEOA)	1	14	1	
1763-23-1	Perfluorooctanesulfonic acid (PEOS)	1	1.		1
275.05.1	Perfluereneneneie eeid (PENA)	1	1.	0.0	1
375-75-1	Perflueredeenneie erid (PEDA)	1	20	70	TI
333-70-2	Perfluorodecanoic acid (PFDA)	1	1.	79	0
2038-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.	79	U
307-33-1	Perfluorododecanoic acid (PFDoA)	1	l.	79	U
72029-94-8	Perfluorotridecanoic acid (PF1rDA)	1	1.	79	<u> </u>
3/6-06-/	Perfluorotetradecanoic acid (PFTA)		<u> </u>	79	0
2355-31-9	N-MeFOSAA			79	0
2991-50-6	N-EtFOSAA				0
2706-90-3	Perfluoropentanoic acid (PFPeA)		9.	27	-
/54-91-6	Perfluoro-1-octanesulfonamide (FOSA)		1.	79	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)			71	U
335-77-3	Perfluoro-1-decanesultonic acid (PFDS)	1	1.	73	0
27619-97-2	IH, IH, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	6.	79	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	6.	87	U
375-22-4	Pertluoro-n-butanoic acid (PFBA)	1	6.	11	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.	18	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.	58	uj b
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.	58	475
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	11	3.	58	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.	68	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.	71	U
13252-13-6	HFPO-DA (Gen-X)	1	7.	15	U
763051-92-9	11CL-PF3OUdS	1	6.	.76	U
756426-58-1	9CL-PF3ONS	1	6.	69	U
919005-14-4	ADONA	1	6.	.76	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1	.73	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1	.72	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4	.47	NJY
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	2	2.4	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	2	2,4	U
24448-09-7	N-MeFOSE	1	1	7.9	U
31506-32-8	N-MeFOSA	1	1	.79	U
1691-99-2	N-EtFOSE	1	1	7.9	U
4151-50-2	N-EtFOSA	1	1	.79	U

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MW9-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford_	SDG:	<u>24J1726</u>		
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: 24J1726	-06	File ID:	QQQ45641.d	
Sampled:	10/24/24 13:00 Prepared:	10/29/24	15:32	Analyzed:	10/31/24 00:43	
Solids:	Preparatio	m: FPA 163	3 Pren	Initial/Final:	559 27 mL / 5 m	T
Batch:	RI42006 Sequence:	8413116	Calibration:	S 140012	Instrument:	
	BJ42000 Sequence.	3433110		5340012		
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MON	ITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		20.8	19.1	91.5	25 - 150	
M5PFHxA		22.4	25.8	116	25 - 150	
M4PFHpA		22.4	21.9	98.1	25 - 150	
M3PFHxS		21.2	21.6	102	25 - 150	
Perfluoro-n-[130	C8]octanoic acid (M8PFOA)	22.4	28.1	126	25 - 150	
M6PFDA		11.2	12.3	110	25 - 150	
M7PFUdA		11.2	7.53	67.4	25 - 150	
Perfluoro-n-[1,2-	-13C2]dodecanoic acid (MPFDoA)	11.2	6.21	55.6	25 - 150	
M2PFTeDA		11.2	3.06	27.3	10 - 150	
Perfluoro-n-[13C	C4]butanoic acid (MPFBA)	89.4	47.6	53.2	25 - 150	
Perfluoro-1-[13C	C8]octanesulfonic acid (M8PFOS)	21.4	22.5	105	25 - 150	
Perfluoro-n-[130	C5]pentanoic acid (M5PFPeA)	44.7	51.8	116	25 - 150	
Perfluoro-1-[130	C8]octanesulfonamide (M8FOSA)	22.4	22.8	102	10 - 150	1
d3-N-MeFOSAA	4	44.7	37.0	82.8	25 - 150	
d5-N-EtFOSAA		44.7	36.0	80.6	25 - 150	
M2-6:2 FTS		42.5	61.9	146	25 - 200	
M2-8:2 FTS		42.9	43.6	102	25 - 200	
M9PFNA		11.2	10.2	91.6	25 - 150	
M2-4:2 FTS		41.9	68.1	162	25 - 150	1
d-N-MeFOSA		22.4	9.61	43.0	25 - 150	
d-N-EtFOSA		22.4	7.23	32.3	25 - 150	
M3HFPO-DA		89.4	93.8	105	25 - 150	
d9-N-EtFOSE		224	78.2	35.0	25 - 150	
d7-N-MeFOSE		224	114	50.9	25 - 150	
INTERNAL STA	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		13417.29	1.234633	16044.63	1.234633	
MPFDA		4174.254	8.70805	6072.83	8.772917	1
MPFHxA		10541.23	6.187067	15602.51	6.205567	
MPFHxS		1194.658	7.075366	1527.053	7.1216	
MPFNA		5709.808	8,20975	7820.77	8,265384	
MPFOA		11719.64	7.622983	17576.08	7.690166	
MPFOS		3695.622	8.235967	4757 775	8,30125	
Perfluoro-n-[130	C9]nonanoic acid (M9PFNA)-FIS	1622 943	8 20935	2141.99	8 264983	
Perfluoro-n-[130	C8loctanoic acid (M8PFOA)-FIS	11288 47	7 622617	14138.04	7 6897	
Perfluoro-n-[130	C54]nentanoic acid (M5PEPeA)-EIS	37472.26	4 56025	44317 15	4 56945	
Perfluoro-n-[130	C4lbutanoic acid (MPFRA)-FIS	30761.64	1 23235	71017.5	1 23235	
Perfluoro_n_[1.2	- 13C2)dodecanoic acid (MDEDoA) EIS	5605 260	0 5502	10707.03	0 58605	

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MW1R-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>	7
Client:	EnviroTrac	Project:	Darby Drugs	
Matrix:	Ground Water Laboratory ID: 24J172	26-07	File ID: <u>QQQ45642.d</u>	
Sampled:	10/24/24 12:15 Prepared: 10/29/	24 15:32	Analyzed: 10/31/24 00:59)
Solids:	Preparation: EPA 1/	633 Pren	Initial/Final: 550.67 mL / 5	- m[
Detals.				IIII.
Batch:	<u>BJ42006</u> Sequence: <u>S4J3116</u>	Calibration:	SJ40012 Instrument:	
CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	4.18	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	27.3	_
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	45.0	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.03	J
335-67-1	Perfluorooctanoic acid (PFOA)	1	24.7	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	20.1	
375-95-1	Perfluorononanoic acid (PFNA)	1	32.8	
335-76-2	Perfluorodecanoic acid (PFDA)	1	11.7	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	13.9	
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.82	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.82	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.82	U
2355-31-9	N-MeFOSAA	1	1.82	U
2991-50-6	N-EtFOSAA	1	1.82	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	46.4	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.82	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.73	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.75	U
27619-97-2	1H.1H.2H.2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	6.90	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	2.13	J
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	18.0	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.23	U
151772-58-6	Perfluoro-3.6-dioxaheptanoic acid (NFDHA)	1	3.63	UTH
377-73-1	Perfluoro-4-oxanentanoic acid (PFMPA)	1	3.63	4711
863090-89-5	Perfluoro-5-oxabexanoic acid (PFMBA)	1	3 63	U
2706-91-4	Perfluoro-1-pentanesulfonate (PEPeS)	1	1 71	U
757124-72-4	1H 1H 2H 2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.81	U
13252-13-6	HFPO-DA (Gen-X)	1	7.26	U
763051-92-9		1	6.86	U
756426-58-1	ACL-PE3ONS	1	6.70	U
919005-14-4		1	6.96	
70780 20 5	Parfluoradadaannamilfania said (DEDaS)	1	1.76	0
69250 12 1	Perfuere 1 reconceptionic acid (PEDCS)	1	1.76	0
256 02 5	2 Derfluoronzonul propensio scid (PP-DA)	1	1./4	
014627 40 2	2 Derfluoropentul progeneir		4.54	
914037-49-3	2 Development of the second of		22.7	
812-70-4	3-Periluoroneptyl propanoic acid (FHpPA)		22.7	U
24448-09-7	N-MeFUSE	1	18.2	<u> </u>
31506-32-8	N-MetOSA	1	1.82	U
1691-99-2	N-EtFOSE	1	18.2	U
4151-50-2	N-EtFOSA	1	1.82	U

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EPA 1633 Draft 3

MW1R-20241024

Laboratory:	York Analytical Laboratories, Inc St	tratford	SDG:	<u>24J1726</u>		7
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborato	ory ID: 24J1726	-07	File ID:	QQQ45642.d	
Sampled [.]	10/24/24 12:15 Prenared	. 10/29/24	1 15.32	Analyzed	10/31/24 00:59	
- 1' 1	<u>10/20/21/12/10</u> 110pulou		113.52	A thirty zea.	10/01/24 00:00	
Solids:	Preparati	ion: <u>EPA 163</u>	<u>3 Prep</u>	Initial/Final:	<u>550.67 mL / 5 m</u>	L
Batch:	BJ42006 Sequence:	<u>S4J3116</u>	Calibration:	<u>SJ40012</u>	Instrument:	<u>LCQQQ</u>
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDC.	A)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)	1			U
OVOTEM MON	UTOPING COMPOLIND		CONC (as/L)	N/ DEC	OCLIMITS	
STSTEM MON	ITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REL	QUELIMITS	Q
M3PFBS		21.2	20.2	95.6	25 - 150	
M5PFHxA		22.7	28.1	124	25 - 150	-
M4PFHpA		22.7	22.2	97.7	25 - 150	
M3PFHxS		21.5	23.4	109	25 - 150	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)	22.7	27.5	121	25 - 150	
M6PFDA		11.3	14.4	127	25 - 150	
M7PFUdA		11.3	11.3	99.3	25 - 150	
Perfluoro-n-[1,2	2-13C2]dodecanoic acid (MPFDoA)	11.3	9.41	82.9	25 - 150	-
M2PFTeDA		11.3	6.26	55.2	10 - 150	
Perfluoro-n-[13	C4]butanoic acid (MPFBA)	90.8	91.7	101	25 - 150	-
Perfluoro-1-[13	C8 octanesulfonic acid (M8PFOS)	21.7	24.0	110	25 - 150	
Perfluoro-n-[13	C5 pentanoic acid (M5PFPeA)	45.4	55.7	123	25 - 150	
Perfluoro-1-13	C8 loctanesulfonamide (M8FOSA)	22.7	25.3	111	10 - 150	
d3-N-MeFOSA	A	45.4	41.8	92.1	25 - 150	
d5-N-EtFOSAA	A	45.4	48.2	106	25 - 150	
M2-6:2 FTS		43.2	51.2	119	25 - 200	-
M2-8:2 F1S		43.6	41.8	95.9	25 - 200	
M9PFNA		11.3	11.6	102	25 - 150	1
M2-4:2 F15		42.6	67.7	159	25 - 150	
d-N-MerOSA		22.7	15.0	66.2	25 - 150	-
d-N-EIFOSA		22.1	12.3	54.4	25 - 150	-
do N Eteose		90.8	101	55.7	25 - 150	
d7-N-MeFOSE		227	154	67.8	25 - 150	
u7-IN-INCLOSE		227	154	07.8	25 - 150	
INTERNAL ST	TANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		12863.43	1.271367	16044.63	1.234633	
MPFDA		4118.41	8.763667	6072.83	8.772917	
MPFHxA		10814.05	6.2152	15602.51	6.205567	
MPFHxS		1210.19	7.1216	1527.053	7.1216	
MPFNA		6330.573	8.256117	7820.77	8.265384	
MPFOA		12527.63	7.671667	17576.08	7.690166	
MPFOS		3722.948	8.282717	4757.775	8.30125	
Perfluoro-n-[13	3C9]nonanoic acid (M9PFNA)-EIS	2002.804	8.255716	2141.99	8.264983	
Perfluoro-n-[13	3C8]octanoic acid (M8PFOA)-EIS	11610.91	7.671183	14138.04	7.6897	
Perfluoro-n-[13	C54]pentanoic acid (M5PFPeA)-EIS	40722.18	4.597633	44317.15	4.56945	
Perfluoro-n-[13	3C4]butanoic acid (MPFBA)-EIS	55990.66	1.269067	71017.5	1.23235	
Perfluoro-n-[1.]	2-13C2]dodecanoic acid (MPFDoA)-EIS	8249.576	9.605433	10797.92	9,58695	

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MW2R-20241024

Client: EnviroTac Project: Dathy Dang Matrix: Ground Water Laboratory ID: $24J125c.08$ File ID: 0024521.13 Sampled: 1023/2412.32 Prepared: 1030/2410.46 Analyzet: $1031/2415.21$ Solid: B42083 Sequence: Solid: Install File: 313.60 Calibration: Sd40012 Install File: QQ Ground Matrix: B42083 Sequence: Sd31.50 Calibration: Sd40012 Install File: Q Ground Matrix: DILUTION CONC. (rg/L) Q Q 307-24-4 Perfluorohexanoic acid (PFIA) 1 12.8 T 375-85-1 Perfluorohexanoic acid (PFIA) 1 22.9 T 335-67-1 Perfluorohexanoic acid (PFIA) 1 1.85 U 335-76-2 Perfluorohexanoic acid (PFDA) 1 1.85 U 307-62 Perfluorohexanoic acid (PFDA) 1 1.85 U 307-63-1 Perfluorohexanoic acid (PFDA) 1 1.85 </th <th>Laboratory:</th> <th>York Analytical Laboratories, Inc Stratford</th> <th>SDG:</th> <th><u>24J1726</u></th> <th></th> <th>8</th>	Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>		8
Main:Ground WaterLaboratory ID: $241/26-08$ File ID: $QQQ557Ld$ Sampled:1024/241/235Prepared:1030/2410.66Analyzei: $101/241.52$ Solid:Preparation:EPA 1633 PrepInitial Final: $5410/124$ Sequence: $5410/126$ Sequence: $1020/241.62$ Initial Final: $101/241.52$ Solid:B42083Sequence: 841310 Calibrationi $5440/12$ Initial Final:I 1020 $0737-37-5$ Perfluorobaroaselfonic acid (PFBS)1 10.2 I 1023 1023 $377-34-6$ Perfluorobaroaselfonic acid (PFDA)1 12.8 1 1023 $375-87-1$ Perfluorobaroaselfonic acid (PFOA)1 12.8 1 $375-87-1$ Perfluorobaroaselfonic acid (PFOA)1 1.85 0 $375-87-2$ Perfluorobaroaseld (PFDA)1 1.85 0 $275-87-4$ Perfluorobaroaseld (PFDA)1 1.85 0 $275-87-4$ Perfluorobaroaseld (PFDA)1 1.85 0 $276-99-48-8$ Perfluorobaroasel acid (PFPA)1 1.85 0	Client:	EnviroTrac	Project:	Darby Drugs		-
Samplet: 10/24/24 12:35 Prepared: 10/30/24 10:46 Analyzed: 10/31/24 15:21 Solids: Preparation: EPA1633 Prep Initial/Finel: 541.81 mL / 5 mL Backh: B42083 Sequence: 54/31.50 Calibration: 54/4012 Instrument: LCOQQ CAS NO. COMPOUND OLUTION CONC. (mg/L) Q Q 375-73-5 Perfluoroblexanoic acid (PFBS) 1 10.2	Matrix:	Ground Water Laboratory ID: 24J172	26-08	File ID:	OOO45671.d	
International production Preparation Preparati	Sampled [.]	10/24/24 12:35 Prepared: 10/30/	24 10:46	Analyzed	10/31/24 15:21	
Stadis: Treparation: EV21831 Peg IntaPrime: 54181 Peg IntaPrime: 54181 Peg Bukh: B42083 Sequence: \$43130 Calibration \$140012 Instrument: LC0Q0 375-75-5 Perfluorohexanoia acid (PFBS) 1 10.2 - - 307-24-4 Perfluorohexanoia acid (PFHA) 1 7.31 - - 375-85-9 Perfluorohexanoia acid (PFHA) 1 5.97 - - 335-67-1 Perfluoronohexanoia acid (PFNA) 1 3.99 - - 375-75-2 Perfluoronohexanoia acid (PFNA) 1 1.85 U 2058-94-8 Perfluoronohexanoia acid (PFNA) 1 1.85 U 2069-94-8 Perfluoronohexanoia acid (PFNA) 1 1.85 U 2078-95-1 Perfluoronotorohexanoia acid (PFNA) 1 1.85 U 2080-94-8 Perfluoronotorohexanoia acid (PFNA) 1 1.85 U 2080-94-9 Perfluoronotorohexanoia acid (PFNA) 1 1.85 <t< td=""><td></td><td><u>10/21/24 12:55</u> Fréplied. <u>10/50/</u></td><td><u>24 10.40</u></td><td>Analyzed.</td><td>10/31/24 13:21</td><td>9</td></t<>		<u>10/21/24 12:55</u> Fréplied. <u>10/50/</u>	<u>24 10.40</u>	Analyzed.	10/31/24 13:21	9
Batch: BL3203 Sequence: S4(3) 50 Calibration! SL40012 Instrument: LCQQQ CAS NO. COMPOUND DILUTION CONC.(ng/L) Q 375-73-5 Perfluorohexanoic acid (PFBS) 1 10.2	Solids:	Preparation: <u>EPA 1</u>	633 Prep	Initial/Final:	<u>541.81 mL / 51</u>	<u>nL</u>
CAS NO. COMPOUND DILUTION CONC.(ng/L) Q 375-73-5 Perfluorobuanos and (PFBS) 1 10.2 1 375-73-5 Perfluorobeanos and (PFHA) 1 7.31 1 375-85-9 Perfluorobeanos and (PFHA) 1 1.2.8 1 375-85-1 Perfluorobeanos and (PFDA) 1 2.2.9 1 375-87-1 Perfluorobeanos and (PFDA) 1 3.9.9 1 375-75-2 Perfluorobeanos and (PFDA) 1 1.8.5 U 2058-94-8 Perfluoroternaceanoic and (PFDA) 1 1.8.5 U 375-75-1 Perfluoroternaceanoic and (PFDA) 1 1.8.5 U 2762-9-44 Perfluoroternaceanoic and (PFDA) 1 1.8.5 U 2765-9-0-5 Perfluoroternaceanoic and (PFDA) 1 1.8.5 U 2764-9-1-6 Perfluoroternaceanoic and (PFDA) 1 1.8.5 U 2764-9-0-8 Perfluoroternaceanoic and (PFDA) 1 1.8.5 U 2764-9-1-6 Perfluoro	Batch:	BJ42083 Sequence: <u>\$4J3150</u>	Calibration:	SJ40012	Instrument:	LCQQQ
337:73-55 Perfluorobexanesationic acid (PFBS) 1 10.2 307:24:4 Perfluorobexanesationic acid (PFHxA) 1 7.8 5 375:85:5 Perfluorobexanesationic acid (PFAx) 1 12.8 1 375:85:6 Perfluorobexanesationic acid (PFOA) 1 22.9 1 176:22:1 Perfluoroocanoic acid (PFOA) 1 1.44 J 335:67:1 Perfluoroocanoic acid (PFOA) 1 1.85 U 2053:94:8 Perfluoroaceanoic acid (PFDA) 1 1.85 U 2053:94:8 Perfluoroaceanoic acid (PFDA) 1 1.85 U 276:29:94:8 Perfluoroaceanoic acid (PFDA) 1 1.85 U 276:29:44:8 Perfluoroaceanoic acid (PFDA) 1 1.85 U 276:9:0:45 Perfluoroaceanoic acid (PFDA) 1 1.85 U 278:9:0:46 Perfluoroaceanoic acid (PFDA) 1 1.85 U 278:9:0:46 Perfluoro-1-octanesulformic dc (OSA) 1 1.85 U 278:9:2:6 Perfluoro-1-octanesulformic dc (6:2 FTS) 1 1.76 U <t< td=""><td>CAS NO.</td><td>COMPOUND</td><td>DILUTION</td><td>COl</td><td>NC. (ng/L)</td><td>Q</td></t<>	CAS NO.	COMPOUND	DILUTION	COl	NC. (ng/L)	Q
307-24-4 Perfluorohexanoei acid (PFHxA) 1 12.8 375-85-9 Perfluorohexanoei acid (PFHxS) 1 5.97 335-46-4 Perfluorohexanoei acid (PFOA) 1 22.9 1763-23-1 Perfluoronexanoei acid (PFOA) 1 3.99 375-95-1 Perfluoronexanoia acid (PFOA) 1 1.44 J 335-76-2 Perfluoronexanoia acid (PFOA) 1 1.85 U 2058-94-8 Perfluoronexanoia acid (PFDA) 1 1.85 U 2058-94-8 Perfluoronexanoia acid (PFDA) 1 1.85 U 7263-94-8 Perfluoronexanoia acid (PFDA) 1 1.85 U 7263-94-8 Perfluoronexanoia acid (PFDA) 1 1.85 U 2764-90-7 Perfluoronexanoia acid (PFDA) 1 1.85 U 2795-91-8 NetPOSAA 1 1.85 U 2706-90-3 Perfluoron-becanosulfonia acid (PFDA) 1 1.85 U 27619-97-2 IH_112H_2H_Perfluoronexensulfonia acid (PEDS) 1 1.76 U 375-92-8 Perfluoron-becanosulfonia acid (PEDA) 1<	375-73-5	Perfluorobutanesulfonic acid (PFBS)	1		10.2	
375.85-0 Perfluorohexanesulfonic acid (PFHxS) 1 12.8 J 335.67-1 Perfluorohexanesulfonic acid (PFOA) 1 22.9 1763-23-1 Perfluoroctanoic acid (PFOA) 1 3.99 335.67-1 Perfluoroctanoic acid (PFOA) 1 3.99 335.76-2 Perfluorocanoic acid (PFOA) 1 1.85 U 2058.94-8 Perfluorodecanoic acid (PFOA) 1 1.85 U 307.55-1 Perfluorodecanoic acid (PFOA) 1 1.85 U 307.65-7 Perfluorodecanoic acid (PFDA) 1 1.85 U 376.06-7 Perfluorotadecanoic acid (PFTA) 1 1.85 U 2991.50-6 N-EHCOSA 1 1.85 U 2991.50-6 N-EHCOSA 1 1.85 U 2706-90-3 Perfluoro-1-octansulfonic acid (PFDA) 1 1.85 U 2706-90-3 Perfluoro-1-octansulfonic acid (PFDS) 1 1.76 U 375-22-8 Perfluoro-1-octansulfonic acid (PFDS) 1 1.76 U 27619-97-2 1H,1H,2H,2H-Perfluorobecanesulfonic acid (PEDS)	307-24-4	Perfluorohexanoic acid (PFHxA)	1		7.31	
335:46-4 Perflueroekanesulfonic acid (PFHxS) 1 5.97 335:67-1 Perflueroekanesulfonic acid (PFOA) 1 22.9 1763:23-1 Perflueroekanesulfonic acid (PFOA) 1 3.99 375:95-1 Perflueroekanesic acid (PFOA) 1 1.44 J 307:55-2 Perflueroekanesic acid (PFDA) 1 1.85 U 307:55-1 Perfluerondecanic acid (PFDA) 1 1.85 U 307:05-7 Perfluerondecanic acid (PFTA) 1 1.85 U 370:06-7 Perfluerondecanic acid (PFTA) 1 1.85 U 2355:31-9 N-MeFOSAA 1 1.85 U 291:90-6 N-EFDOSAA 1 1.85 U 2978:90-8 Perfluerone-1-nebranesulfonic acid (PFDA) 1 1.81 U 2761:90-7 Perfluerone-1-nebranesulfonic acid (PFDA) 1 1.81 U 2761:90-7 11,17.6 U U 27619-97.2 14,11,24,24,24-Perfluoroectanesulfonic acid (PFDA) 1 3.877.3 131	375-85-9	Perfluoroheptanoic acid (PFHpA)	1		12.8	J
333-67-1 Perfluoroctanoic acid (PFOA) 1 22.9 1763-23-1 Perfluoroctanesufforic acid (PFOA) 1 3.99 375-95-1 Perfluoronanoic acid (PFDA) 1 1.44 J 335-76-2 Perfluorondecanoic acid (PFDA) 1 1.85 U 2058-94-8 Perfluorondecanoic acid (PFDA) 1 1.85 U 307-55-1 Perfluorotidecanoic acid (PFDA) 1 1.85 U 72629-94-8 Perfluorotidecanoic acid (PFDA) 1 1.85 U 235-06-7 Perfluorotidecanoic acid (PFDA) 1 1.85 U 235-06-8 Perfluorotidecanoic acid (PFDA) 1 1.85 U 235-07-9 Perfluorotidecanoic acid (PFDA) 1 1.85 U 2706-90-3 Perfluorotidecanoic acid (PFDA) 1 1.85 U 235-73-8 Perfluorotidecanoic acid (PFDS) 1 1.76 U 335-77-3 Perfluorotidecanoic acid (PFDA) 1 5.88 J 216/947-2 IH, H1,214,21+Perfluorodeanesulfo	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1		5.97	
1763-23-1 Perfluorooctanesulfonic acid (PFOS) 1 3.9.9 375-95-1 Perfluoronanoic acid (PFDA) 1 1.4.4 J 335-76-2 Perfluorondecanoic acid (PFDA) 1 1.8.5 U 2058-94-8 Perfluorondecanoic acid (PFDA) 1 1.8.5 U 307-55-1 Perfluorondecanoic acid (PFTA) 1 1.8.5 U 27629-94-8 Perfluorotetradecanoic acid (PFTA) 1 1.8.5 U 2355-31-9 N-MeFOSAA 1 1.8.5 U 2991-90-6 N-EFOSAA 1 1.8.5 U 2706-90-3 Perfluoro-l-octanesulfonarnide (FOSA) 1 1.8.5 U 2705-90-3 Perfluoro-l-octanesulfonic acid (PFDS) 1 1.7.6 U 335-77-3 Perfluoro-l-decanesulfonic acid (PFDS) 1 1.7.8 U 27619-97-2 11,1,11,21,121-Perfluorocdcanesulfonic acid (6:2 FTS) 1 7.09 U 131577-32 Perfluoro-boxtanesulfonic acid (PFESA) 1 3.29 U 15172-58-6 <td>335-67-1</td> <td>Perfluorooctanoic acid (PFOA)</td> <td>1</td> <td></td> <td>22.9</td> <td></td>	335-67-1	Perfluorooctanoic acid (PFOA)	1		22.9	
375-95-1 Perfluoronanoic acid (PFNA) 1 1.44 J 335-76-2 Perfluorondecanoic acid (PFDA) 1 1.85 U 307-57-2 Perfluorondecanoic acid (PFDA) 1 1.85 U 307-57-1 Perfluorondecanoic acid (PFDA) 1 1.85 U 307-57-1 Perfluorondecanoic acid (PFTDA) 1 1.85 U 376-06-7 Perfluorondecanoic acid (PFTA) 1 1.85 U 2355-31-9 N-MeFOSAA 1 1.85 U 2355-11-9 Perfluoron-leanceulfonic acid (PFEA) 1 8.12 U 27619-91-6 Perfluoron-leanceulfonic acid (PFEA) 1 1.85 U 375-92-8 Perfluoron-leanceulfonic acid (PFDS) 1 1.76 U 375-93-7.7 Perfluoron-leanceulfonic acid (PEDS) 1 1.78 U 375-92-8 Perfluoron-butanoic acid (PEDS) 1 1.76 U 375-92-4 Perfluoron-butanoic acid (PEDS) 1 1.76 U 375-73-1 <td< td=""><td>1763-23-1</td><td>Perfluorooctanesulfonic acid (PFOS)</td><td>1</td><td></td><td>3.99</td><td></td></td<>	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1		3.99	
335-76-2 Perfluorodecanoic acid (PFDA) 1 1.85 U 2058-94-8 Perfluorodudecanoic acid (PFDA) 1 1.85 U 307-55-1 Perfluorodudecanoic acid (PFDA) 1 1.85 U 307-56-7 Perfluorottidecanoic acid (PFTA) 1 1.85 U 376-06-7 Perfluorottidecanoic acid (PFTA) 1 1.85 U 2355-31-9 N-MePOSAA 1 1.85 U 2901-50-6 N-ERFOSAA 1 1.85 U 2706-90-3 Perfluoro-1-octanesulfonic acid (PFPA) 1 8.12 U 375-92-8 Perfluoro-1-octanesulfonic acid (PFIPS) 1 1.76 U 335-77.3 Perfluoro-1-decanesulfonic acid (PEIPS) 1 1.78 U 27619-97-2 IH, IH, 2H, 2H-Perfluorocanesulfonic acid (S-2 FTS) 1 2.54 J* M 31507-82-7 Perfluoro-1-decanesulfonic acid (S-2 FTS) 1 3.69 U 27619-97-2 IH, IH, 2H, 2H-Perfluorodecanesulfonic acid (S-2 FTS) 1 3.09 U <td>375-95-1</td> <td>Perfluorononanoic acid (PFNA)</td> <td>1</td> <td></td> <td>1.44</td> <td>J</td>	375-95-1	Perfluorononanoic acid (PFNA)	1		1.44	J
2058-94-8 Perfluoroundecanoic acid (PFUA) 1 1.85 U 307-55-1 Perfluorotdecanoic acid (PFDA) 1 1.85 U 72629-94-8 Perfluorotetradecanoic acid (PFTA) 1 1.85 U 2355-31-9 N-MeFOSAA 1 1.85 U 2355-31-9 N-MeFOSAA 1 1.85 U 2901-50-6 N-EFOSAA 1 1.85 U 276-90-3 Perfluorol-loctanesulfonic acid (PFPA) 1 8.12 - 754-91-6 Perfluorol-loctanesulfonic acid (PFPS) 1 1.76 U 375-92-8 Perfluorol-decanesulfonic acid (PFDS) 1 1.76 U 375-92-8 Perfluorol-decanesulfonic acid (62 FTS) 1 2.54 J* M 39108-34-4 IH,IH2,2H.Perfluorodecanesulfonic acid (62 FTS) 1 2.54 J* M 39108-34-4 Perfluorol-decanesulfonic acid (62 FTS) 1 3.29 U 151772-86 Perfluorol-decanesulfonic acid (62 FTS) 1 3.29 U 151772-87	335-76-2	Perfluorodecanoic acid (PFDA)	1		1.85	U
307-55-1 Perfluorotidecanoic acid (PFDA) 1 1.85 U 72629-94-8 Perfluorotidecanoic acid (PFTA) 1 1.85 U 376-06-7 Perfluorotidecanoic acid (PFTA) 1 1.85 U 2355-31-9 N-MeFOSAA 1 1.85 U 2391-50-6 N-EiFOSAA 1 1.85 U 2769-90-3 Perfluoro-1-octanesulfonia acid (PFEA) 1 8.12 U 754-91-6 Perfluoro-1-octanesulfonia acid (PFEA) 1 1.85 U 375-92-8 Perfluoro-1-octanesulfonic acid (PFDS) 1 1.76 U 335-77.3 Perfluoro-1-decanesulfonic acid (6:2 FTS) 1 2.54 J 39108-34-4 IH,1H,2H,2H-Perfluorodecanesulfonic acid (6:2 FTS) 1 7.09 U 2706-91-4 Perfluoro-n-butanoic acid (PFBA) 1 5.88 J 113507-82-7 Perfluoro-d-scanabeptancie acid (PFBA) 1 3.69 U 2706-91-4 Perfluoro-5-coathexanoic acid (PFMPA) 1 3.69 U	2058-94-8	Perfluoroundecanoic acid (PFUnA)	1		1.85	U
72629-94-8 Perfluorotridecanoic acid (PFTDA) 1 1.85 U 376-06-7 Perfluorotetradecanoic acid (PFTA) 1 1.85 U 2355-31-9 N-MeFOSAA 1 1.85 U 2391-50-6 N-EIFOSAA 1 1.85 U 2706-90-3 Perfluoropentanoic acid (PFPA) 1 8.12 U 375-92-8 Perfluoro-1-ectanesulfonia acid (PFDS) 1 1.76 U 335-77-3 Perfluoro-1-decanesulfonic acid (PFDS) 1 1.778 U 27619-97-2 IH,1H,2H,2H-Perfluorodecanesulfonic acid (6:2 FTS) 1 2.54 J M 315077-82-7 Perfluoro-3.6-dioxabeptanoic acid (PFDA) 1 5.88 J 113507-82-7 Perfluoro-3.6-dioxabeptanoic acid (PFESA) 1 3.29 U 31705-78-7 Perfluoro-3.6-dioxabeptanoic acid (PFESA) 1 3.69 U 377-73-1 Perfluoro-3.6-dioxabeptanoic acid (PFESA) 1 3.69 U 377-73-1 Perfluoro-3.6-dioxabeptanoic acid (PFMA) 1 3.69	307-55-1	Perfluorododecanoic acid (PFDoA)	1		1.85	U
376-06-7 Perfluorotetradecanoic acid (PFTA) 1 1.85 U 2355-31-9 N-MeFOSAA 1 1.85 U 2901-50-6 N-EiFOSAA 1 1.85 U 2706-90-3 Perfluoro-1-octanesulfonamide (FOSA) 1 8.12 754-91-6 Perfluoro-1-octanesulfonic acid (PFPA) 1 1.85 U 375-92-8 Perfluoro-1-octanesulfonic acid (PFDS) 1 1.76 U 335-77-3 Perfluoro-1-decanesulfonic acid (PEDS) 1 1.78 U 2706-99-7.2 1H,1H,2H,2H-Perfluorodecanesulfonic acid (2FTS) 1 2.54 J* M 39108-34-4 1H,1H,2H,2H-Perfluorodecanesulfonic acid (3:ETS) 1 7.09 U 375-22-4 Perfluoro-n-butanoic acid (PFBA) 1 5.88 J 113507-82-7 Perfluoro-A-exapentanoic acid (PFDA) 1 3.69 U 377-73-1 Perfluoro-1-pentanesulfonic acid (PFDA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (PFMA) 1 1.07 J <t< td=""><td>72629-94-8</td><td>Perfluorotridecanoic acid (PFTrDA)</td><td>1</td><td></td><td>1.85</td><td>U</td></t<>	72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1		1.85	U
2355-31-9 N-MeFOSAA 1 1.85 U 2991-50-6 N-EFOSAA 1 1.85 U 2706-90-3 Perfluoropentanoic acid (PFPA) 1 8.12 U 754-91-6 Perfluoro-1-beptanesulfonia acid (PFBS) 1 1.76 U 315-92-8 Perfluoro-1-beptanesulfonic acid (PFBS) 1 1.76 U 335-77-3 Perfluoro-1-decanesulfonic acid (62 FTS) 1 2.54 J 31908-34-4 1H,1H,2H,2H-Perfluoroctanesulfonic acid (82 FTS) 1 5.88 J 113507-82-7 Perfluoro-1-butanoic acid (PEBA) 1 5.88 J U 27619-97-2 IH,1H,2H,2H-Perfluorodcanesulfonic acid (82 FTS) 1 7.09 U 375-22-4 Perfluoro-1-butanoic acid (PEBA) 1 3.69 U 13507-82-7 Perfluoro-2-ehotanoic acid (PFDA) 1 3.69 U 377-73-1 Perfluoro-1-pentanesulfonic acid (PFMPA) 1 3.69 U 3770-91-4 Perfluoro-1-pentanesulfonic acid (PFMA) 1 1.07	376-06-7	Perfluorotetradecanoic acid (PFTA)	1		1.85	U
2991-50-6 N-EtFOSAA 1 1.85 U 2706-90-3 Perfluoropentanoic acid (PFPcA) 1 8.12	2355-31-9	N-MeFOSAA	1		1.85	U
2706-90-3 Perfluoropentanoic acid (PFPeA) 1 8.12 754-91-6 Perfluoro-1-octanesulfonamide (FOSA) 1 1.85 U 375-92-8 Perfluoro-1-heptanesulfonic acid (PFDS) 1 1.76 U 335-77-3 Perfluoro-1-decanesulfonic acid (PFDS) 1 1.78 U 27619-97-2 1H, HL,2H.1-Perfluorooctanesulfonic acid (6:2 FTS) 1 2.54 J* M 39108-34-4 1H, HL,2H.2H-Perfluorodecanesulfonic acid (8:2 FTS) 1 5.88 J 113507-82-7 Perfluoro-n-butanoic acid (PFBA) 1 5.88 J 113507-82-7 Perfluoro-acouncia acid (PFBA) 1 3.69 U 377-73-1 Perfluoro-acouncia acid (PFBA) 1 3.69 U 1577-24 Perfluoro-acouncia acid (PFMA) 1 3.69 U 2706-91-4 Perfluoro-acouncia acid (PFMA) 1 3.69 U 2706-91-4 Perfluoro-acouncia acid (PFMA) 1 6.92 U 13522-13-6 HFPO-DA (Gen-X) 1 7.38 U <	2991-50-6	N-EtFOSAA	1		1.85	U
754-91-6 Perfluoro-1-octanesulfonic acid (PFDS) 1 1.85 U 375-92-8 Perfluoro-1-heptanesulfonic acid (PFDS) 1 1.76 U 335-77-3 Perfluoro-1-heptanesulfonic acid (PFDS) 1 1.76 U 27619-97-2 IH,1H,2H,2H-Perfluorootanesulfonic acid (6:2 FTS) 1 2.54 J 39108-34-4 IH,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1 7.09 U 375-22-4 Perfluoro-n-butanoic acid (PEDA) 1 5.88 J 113507-82-7 Perfluoro-a-butanoic acid (PEDA) 1 3.69 U 377.73-1 Perfluoro-a-butanoic acid (PEDA) 1 3.69 U 377.73-1 Perfluoro-4-oxapentanoic acid (PFMA) 1 3.69 U 377.73-1 Perfluoro-1-pentanesulfonate (PFPS) 1 1.07 J 751124-72-4 IH_1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 756426-58-1 9CL-PF3ONS 1 6.92 U 19005-14-4 ADONA 1 6.98 U	2706-90-3	Perfluoropentanoic acid (PFPeA)	1		8.12	10
375-92-8 Perfluoro-1-heptanesulfonic acid (PFHpS) 1 1.76 U 335-77-3 Perfluoro-1-decanesulfonic acid (PFDS) 1 1.78 U 27619-97-2 IH,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) 1 2.54 F M 39108-34-4 IH,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1 7.09 U 375-22-4 Perfluoro-n-butanoic acid (PFBA) 1 5.88 J 113507-82-7 Perfluoro-3,6-dioxaheptanoic acid (PFESA) 1 3.29 U 151772-58-6 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.69 U 377-73-1 Perfluoro-3,6-dioxaheptanoic acid (PFMPA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (4:2 FTS) 1 1.07 J 757124-72-4 IH,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 1 763051-92-9 II	754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1		1.85	U
335-77-3 Perfluoro-1-decanesulfonic acid (PFDS) 1 1.78 U 27619-97-2 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) 1 2.54 Image: Constraint of the constrai	375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1		1.76	U
27619-97-2 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) 1 2.54 Image: Constraint of the state of the st	335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1		1.78	U
39108-34-4 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1 7.09 U 375-22-4 Perfluoro-n-butanoic acid (PFBA) 1 5.88 J 113507-82-7 Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) 1 3.29 U 377-73-1 Perfluoro-3,6-dioxaheptanoic acid (NFDHA) 1 3.69 U 377-73-1 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (4:2 FTS) 1 1.07 J 757124-72-4 IH,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 1 756426-58-1 9CL-PF30UdS 1 6.98 U 1 79780-39-5 Perfluorol-enonanesulfonic acid (PFDS) 1 1.77 U 356-02-5 3-Perfluorol-enonanesulfonic acid (PFDA) 1 2.3.1 U 19405-14-4 ADONA <	27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1		2.54	5 W
375-22-4 Perfluoron-butanoic acid (PFBA) 1 5.88 J 113507-82-7 Perfluoro(2-ethoxyethane)sulfonic acid (PFESA) 1 3.29 U 151772-58-6 Perfluoro-3,6-dioxaheptanoic acid (NFDHA) 1 3.69 U 377-73-1 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.69 U 377-73-1 Perfluoro-5-oxahexanoic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (4:2 FTS) 1 1.07 J 757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 11CL-PF30UdS 1 6.98 U 919005-14-4 ADONA 1 6.98 U 9780-39-5 Perfluorol-1-nonanesulfonic acid (PFDS) 1 1.79 U 68259-12-1 Perfluorol-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoroponpyl propanoic acid (FPPA) 1 23.1 U	39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1		7.09	U
113507-82-7 Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) 1 3.29 U 151772-58-6 Perfluoro-3,6-dioxaheptanoic acid (NFDHA) 1 3.69 U 377-73-1 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.69 U 863090-89-5 Perfluoro-4-oxapentanoic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (PFNS) 1 1.07 J 757124-72-4 IH,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 I1CL-PF30UdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.98 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorol-nonanesulfonic acid (PFDS) 1 1.79 U 68259-12-1 Perfluorol-nonanesulfonic acid (PFDS) 1 1.77 U 356-02-5 3-Perfluoropopyl propanoic acid (FPPA) 1 23.1 U	375-22-4	Perfluoro-n-butanoic acid (PFBA)	1		5.88	J
151772-58-6 Perfluoro-3,6-dioxaheptanoic acid (NFDHA) 1 3.69 U 377-73-1 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.69 U 863090-89-5 Perfluoro-5-oxahexanoic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonate (PFPES) 1 1.07 J 757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 11CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.98 U 919005-14-4 ADONA 1 6.98 U 9780-39-5 Perfluorodecanesulfonic acid (PFDoS) 1 1.77 U 68259-12-1 Perfluoropentyl propanoic acid (FPFA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 122-70-4 3-Perfluoropentyl propanoic acid (FPPA) 1 18.5 U 1450	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	L.		3.29	U
377-73-1 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.69 U 863090-89-5 Perfluoro-5-oxahexanoic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonic acid (PFPGS) 1 1.07 J 757124-72-4 IH,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 I1CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.90 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.77 U 356-02-5 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 182-70-4 3-Perfluoropentyl propanoic acid (FPPA) 1 18.5 U 131506-32-8 N-MeFOSE 1 1.85 U 1691-99-2 N-EtFOSE	151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1		3.69	U
863090-89-5 Perfluoro-5-oxahexanoic acid (PFMBA) 1 3.69 U 2706-91-4 Perfluoro-1-pentanesulfonate (PFPcS) 1 1.07 J 757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 11CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.98 U 919005-14-4 ADONA 1 6.98 U 9780-39-5 Perfluorodeceanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluorol-1-nonanesulfonic acid (PFDoS) 1 1.77 U 356-02-5 3-Perfluoropentyl propanoic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 812-70-4 3-Perfluoropentyl propanoic acid (FHPA) 1 18.5 U 315	377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1		3.69	418
2706-91-4 Perfluoro-1-pentanesulfonate (PFPeS) 1 1.07 J 757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 11CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.98 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFDoS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (PFPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHPA) 1 18.5 U 31506-32-8 N-McFOSE 1 18.5 U 1691-99-2 N-EtFOSE 1 18.5 U 1691-99-2 N-EtFOSA 1	863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1		3.69	U
757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.92 U 13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 11CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.90 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FPPA) 1 18.5 U 31506-32-8 N-MeFOSE 1 18.5 U 1506-32-8 N-MeFOSA 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 1691-99-2 N-EtFOSA 1 1.85 U	2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1		1.07	J
13252-13-6 HFPO-DA (Gen-X) 1 7.38 U 763051-92-9 11CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.90 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoropentyl propanoic acid (FPePA) 1 18.5 U 31506-32-8 N-MeFOSE 1 1.85 U 31506-32-8 N-MeFOSE 1 1.85 U 4151-50-2 N-EtFOSE 1 1.85 U	757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1		6.92	U
763051-92-9 11CL-PF3OUdS 1 6.98 U 756426-58-1 9CL-PF3ONS 1 6.90 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (PFNA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHPA) 1 18.5 U 31506-32-8 N-MeFOSE 1 1.85 U 1691-99-2 N-EtFOSE 1 1.85 U 4151-50-2 N-EtFOSA 1 1.85 U	13252-13-6	HFPO-DA (Gen-X)	1		7.38	U
756426-58-1 9CL-PF3ONS 1 6.90 U 919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPPA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHpPA) 1 23.1 U 24448-09-7 N-MeFOSE 1 1.85 U 31506-32-8 N-MeFOSE 1 1.85 U 4151-50-2 N-EtFOSE 1 1.85 U	763051-92-9	11CL-PF3OUdS	1		6.98	U
919005-14-4 ADONA 1 6.98 U 79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHpPA) 1 23.1 U 24448-09-7 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSA 1 1.85 U 4151-50-2 N-EtFOSA 1 18.5 U	756426-58-1	9CL-PF3ONS	1		6.90	U
79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1.79 U 68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoropentyl propanoic acid (FHpPA) 1 23.1 U 1506-32-8 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSE 1 1.85 U 4151-50-2 N-EtFOSA 1 18.5 U	919005-14-4	ADONA	1		6.98	U
68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.77 U 356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoropentyl propanoic acid (FHpPA) 1 23.1 U 12-70-4 3-Perfluoropentyl propanoic acid (FHpPA) 1 18.5 U 24448-09-7 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSA 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1		1.79	U
356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4.61 U 914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHpPA) 1 23.1 U 24448-09-7 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSA 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1		1.77	U
914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 23.1 U 812-70-4 3-Perfluoroheptyl propanoic acid (FHpPA) 1 23.1 U 24448-09-7 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSE 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	•	4.61	U
812-70-4 3-Perfluoroheptyl propanoic acid (FHpPA) 1 23.1 U 24448-09-7 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSA 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1		23.1	U
24448-09-7 N-MeFOSE 1 18.5 U 31506-32-8 N-MeFOSA 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1		23.1	0
31506-32-8 N-MeFOSA 1 1.85 U 1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	24448-09-7	N-MeFOSE	1		18.5	<u> </u>
1691-99-2 N-EtFOSE 1 18.5 U 4151-50-2 N-EtFOSA 1 1.85 U	31506-32-8	N-MeFOSA	1		1.85	U U
4151-50-2 N-EtFOSA 1 1.85 II	1691-99-2	N-EtFOSE	1		18.5	U
	4151-50-2	N-EtFOSA	1		1.85	11

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ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW2R-20241024

Laboratory:	York Analytical Laboratories, Inc Str	<u>atford</u>	SDG:	24J1726		8
Client:	EnviroTrac		Project:	Darby Drugs		0
Matrix:	Ground Water Laborator	y ID: <u>24J1726</u>	-08	File ID:	<u>QQQ45671.d</u>	
Sampled:	<u>10/24/24 12:35</u> Prepared:	10/30/24	10:46	Analyzed:	10/31/24 15:21	
Solids:	Preparatio	on: EPA 163	3 Prep	Initial/Final:	541.81 mL / 5 m	L
Batch:	BJ42083 Sequence:	\$4J3150	Calibration:	SJ40012	Instrument:	- LCOOO
CASNO			DULUTION	CON	C (ng/L)	
1180.05.6	Tauradeoxycholic Acid (TDCA)		1		c. (iig/L)	V V
6000.08.0	Taurodeoxycholic Acid (TDCA)		1			0
0009-98-9	Taurochenodeoxycholic Acid (TCDCA	.)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			
SYSTEM MONI	TORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.5	21.7	101	25 - 150	1
M5PFHxA		23.1	24.6	107	25 - 150	
M4PFHpA		23.1	15.4	66.6	25 - 150	
M3PFHxS		21.9	23.5	107	25 - 150	
Perfluoro-n-[13C	8]octanoic acid (M8PFOA)	23.1	23.3	101	25 - 150	
M6PFDA		11.5	15.1	131	25 - 150	
M7PFUdA		11.5	11.6	101	25 - 150	
Perfluoro-n-[1,2-	13C2]dodecanoic acid (MPFDoA)	11.5	9.26	80.2	25 - 150	
M2PFTeDA	10	11.5	7.00	60.7	10 - 150	
Perfluoro-n-[13C	4]butanoic acid (MPFBA)	92.3	79.2	85.9	25 - 150	
Perfluoro-1-[13C	8loctanesulfonic acid (M8PFOS)	22.1	21.4	97.0	25 - 150	
Perfluoro-n-[13C	Spentanoic acid (MSPFPeA)	46.1	44.8	97.0	25 - 150	
Perfluoro-1-[13C	8]octanesulfonamide (M8FOSA)	23.1	22.4	97.3	10 - 150	
d3-N-MeFOSAA		46.1	38.9	84.3	25 - 150	
d5-N-EtFOSAA		46.1	42.4	92.0	25 - 150	
M2-6:2 FTS		43.9	39.2	89.4	25 - 200	
M2-8:2 FTS		44.3	38.4	86.7	25 - 200	
M9PFNA		11.5	10.1	87.4	25 - 150	
M2-4:2 FTS		43.3	48.0	111	25 - 150	
d-N-MeFOSA		23.1	11.5	49.6	25 - 150	
d-N-EtFOSA		23.1	9.63	41.7	25 - 150	
M3HFPO-DA		92.3	92.7	100	25 - 150	
d9-N-EtFOSE		231	137	59.4	25 - 150	
d7-N-MeFOSE		231	184	79.6	25 - 150	
INTERNAL STA	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		11995.64	1.262183	16871.18	1.243817	
MPFDA		3891.459	8.643184	5704.794	8.735867	
MPFHxA		11885.92	6.177817	16105.06	6.187067	
MPFHxS		1134.506	7.047633	1482.492	7.093867	
MPFNA		6284.417	8.133783	7737.607	8.2283	11
MPFOA		12614.98	7.576567	16073.6	7.6516	
MPFOS		3397.112	8.170067	4663.833	8.263783	
Perfluoro-n-[130	C9]nonanoic acid (M9PFNA)-EIS	1704.726	8.133433	2180.265	8.237166	
Perfluoro-n-[130	C8loctanoic acid (M8PFOA)-EIS	9753.435	7.576217	12756.09	7.651217	
Perfluoro-n-[130	C54]pentanoic acid (M5PFPeA)-EIS	35356.08	4,597633	47239.22	4,56025	
Perfluoro-n-[130	C4]butanoic acid (MPFBA)-EIS	44388.42	1.259883	75099.02	1.241533	11
Perfluoro-n-[1.2-	-13C2]dodecanoic acid (MPFDoA)-EIS	7543.705	9,503366	11161.12	9,58695	

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ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW11R-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	24J1726		9
Client:	EnviroTrac	Project:	Darby Drugs		•
Matrix:	Ground Water Laboratory ID: 24J172	6-09	File ID:	<u>QQQ45676.d</u>	
Sampled:	10/24/24 12:45 Prepared: 10/30/	24 10.46	Analyzed:	10/31/24 16:42	
Call day		(22 D	Luitie I/Einel	542.22 ml /5 -	- T
Solids:	Preparation: <u>EPA 10</u>	<u>533 Prep</u>	Initial/Final:	<u>543.22 mL7 5 n</u>	<u>1L</u>
Batch:	<u>BJ42083</u> Sequence: <u>S4J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CON	C. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	6	5.41	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1	1.1	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1	3.2	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	5	5.87	1
335-67-1	Perfluorooctanoic acid (PFOA)	1	1	17.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	7	7.44	
375-95-1	Perfluorononanoic acid (PFNA)	1	0	.861	J
335-76-2	Perfluorodecanoic acid (PFDA)	1	1	1.84	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1	1.84	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1	1.84	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1	1.84	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1		1.84	U
2355-31-9	N-MeFOSAA	1		1.84	U
2991-50-6	N-EtFOSAA	1		1.84	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1		15.1	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1		1.84	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1		1.76	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1		1.78	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1		1.56	4 2
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1		7.07	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1		5.59	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1		3.28	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1		3.68	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1		3.68	UJY
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1		3.68	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	C	0.831	J
757124-72-4	1H.1H.2H.2H-Perfluorohexanesulfonic acid (4:2 FTS)	1		6.90	U
13252-13-6	HFPO-DA (Gen-X)	1		7.36	U
763051-92-9	11CL-PF3OUdS	1		6.96	U
756426-58-1	9CL-PF3ONS	1		6.88	U
919005-14-4	ADONA	1		6.96	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1		1.79	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1		1.77	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1		4.60	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	I		23.0	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1		23.0	U
24448-09-7	N-MeFOSE	1		18.4	U
31506-32-8	N-MeFOSA	1		1.84	NJK
1691-99-2	N-EtFOSE	1		18.4	U
4151-50-2	N-EtFOSA	1		1.84	U

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ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW11R-20241024

Laboratory:	York Analytical Laboratories, Inc Stra	atford	SDG:	<u>24J1726</u>		9
Client:	EnviroTrac]	Project:	Darby Drugs		
Matrix:	Ground Water Laboratory	/ ID: <u>24J1726</u> -	-09	File ID:	<u>QQQ45676.d</u>	
Sampled:	<u>10/24/24 12:45</u> Prepared:	10/30/24	10:46	Analyzed:	10/31/24 16:42	
Solids:	Preparatio	n: EPA 163	3 Prep	Initial/Final:	543.22 mL / 5 m	G
Batch	R142083 Sequence:	2413150	Calibration:	\$140012	Instrument:	= LC000
		<u>13130</u>		3340012		
CAS NO.	COMPOUND		DILUTION	CONC	(ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1	-		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MON	ITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.4	17.6	81.9	25 - 150	
M5PFHxA		23.0	23.9	104	25 - 150	
M4PFHpA		23.0	16.6	72.1	25 - 150	
M3PFHxS		21.8	17.6	80.8	25 - 150	
Perfluoro-n-[130	C8]octanoic acid (M8PFOA)	23.0	22.9	99.5	25 - 150	1
M6PFDA		11.5	13.1	114	25 - 150	
M7PFUdA		11.5	10.3	89.7	25 - 150	1
Perfluoro-n-[1,2-	-13C2]dodecanoic acid (MPFDoA)	11.5	7.29	63.4	25 - 150	
M2PFTeDA		11.5	6.49	56.4	10 - 150	
Perfluoro-n-[130	C4]butanoic acid (MPFBA)	92.0	92.4	100	25 - 150	
Perfluoro-1-[130	C8loctanesulfonic acid (M8PFOS)	22.0	17.8	80.6	25 - 150	
Perfluoro-n-[130	C5]pentanoic acid (M5PFPeA)	46.0	45.9	99.7	25 - 150	
Perfluoro-1-[130	C8loctanesulfonamide (M8FOSA)	23.0	19.0	82.4	10 - 150	
d3-N-MeFOSAA	A	46.0	30.2	65.6	25 - 150	
d5-N-EtFOSAA		46.0	32.3	70.1	25 - 150	
M2-6:2 FTS		43.8	31.9	72.8	25 - 200	
M2-8:2 FTS		44.2	30.4	68.7	25 - 200	
M9PFNA		11.5	9.80	85.2	25 - 150	
M2-4:2 FTS		43.2	41.2	95.3	25 - 150	
d-N-MeFOSA		23.0	9.92	43.1	25 - 150	
d-N-EtFOSA		23.0	9.70	42.1	25 - 150	
M3HFPO-DA		92.0	97.6	106	25 - 150	
d9-N-EtFOSE		230	100	43.5	25 - 150	
d7-N-MeFOSE		230	144	62.8	25 - 150	
INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		11249.08	1.280533	14054.33	1.253	
MPFDA		3683.342	8.670983	5192.04	8.643184	
MPFHxA		10182.56	6.187067	13000.3	6.187067	
MPFHxS		1164.192	7.056883	1358.59	7.047633	
MPFNA		6262.066	8.15235	6486.921	8.143066	
MPFOA		12382.75	7.595133	14633.58	7.58585	
MPFOS		3434.856	8.18865	4085.823	8.179367	
Perfluoro-n-[13	C9]nonanoic acid (M9PFNA)-EIS	1655.178	8.152	1821.848	8.142716	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)-EIS	9447.553	7.594767	10905.19	7.5855	
Perfluoro-n-[13	C54]pentanoic acid (M5PFPeA)-EIS	31131.18	4.606833	37113.44	4.597633	
Perfluoro-n-[13	C4]butanoic acid (MPFBA)-EIS	48657.64	1.27825	61992.38	1.2507	
Perfluoro-n-[1,2	-13C2]dodecanoic acid (MPFDoA)-EIS	5640.024	9.512617	8783.024	9.512617	

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MW12R-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	24J1726		(0
Client:	EnviroTrac	Project:	Darby Drugs		``
Matrix:	Ground Water Laboratory ID: 24J172	26-10	File ID:	00045677.d	
Sampled:	10/24/24 11·30 Prepared: 10/30/	24 10:46	Analyzed	10/31/24 16:59	
Sampled.	<u>10/24/24 11.50</u> Trepared. <u>10/50/</u>	24 10.40	Anaryzeu.	10/31/24 10:39	
Solids:	Preparation: <u>EPA 1</u>	<u>333 Prep</u>	Initial/Final:	<u>551.99 mL/5 n</u>	<u>1L</u>
Batch:	<u>BJ42083</u> Sequence: <u>S4J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CON	IC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1		3.20	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	10	7.43	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1		3.76	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1		1.66	U
335-67-1	Perfluorooctanoic acid (PFOA)	1		6.91	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1		1.87	
375-95-1	Perfluorononanoic acid (PFNA)	1		1.05	J
335-76-2	Perfluorodecanoic acid (PFDA)	1		1.81	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1		1.81	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1		1.81	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1		1.81	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	a	1.81	U
2355-31-9	N-MeFOSAA	1		1.81	U
2991-50-6	N-EtFOSAA	1		1.81	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1		6.59	1.
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1		1.81	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1		1.73	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1		1.75	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1		2.36	48
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1		6.96	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1		4.15	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1		3.22	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1		3.62	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1		3.62	UIN
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1		3.62	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1		1.70	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1		6.79	U
13252-13-6	HFPO-DA (Gen-X)	1		7.25	U
763051-92-9	11CL-PF3OUdS	11		6.85	U
756426-58-1	9CL-PF3ONS	1		6.78	U
919005-14-4	ADONA	1		6.85	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	11		1.76	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1		1.74	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1		4.53	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1		22.6	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1		22.6	U
24448-09-7	N-MeFOSE	1		18.1	U
31506-32-8	N-MeFOSA	1		1.81	NJK
1691-99-2	N-EtFOSE	1	_	18.1	U
4151-50-2	N-EtFOSA	1		1.81	NJN

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MW12R-20241024

Cline:EnvironmeProject:Duby DurgMatric:Ground Ming:Laboratory its2417.25 //2File itsQQU4557.1Samplet:102.02.41.01.01102.02.41.05.01Coll1021.12.11.01Style itsSamplet:Intra Minite itsStyle itsStyle itsStyle itsStyle itsStyle itsSolat:120.20.41.01.01EM103.20.11.01Style itsStyle itsQIntra Minite itsSequence:Style itsStyle itsQIntra Minite itsQIntra Minite itsStyle itsStyle itsQIntra Minite itsQQIntra Minite itsTransdeexsychelic Acid (TDCA)ItsItsQUQIntra Minite itsAmound Style itsItsQQItsQMSPFMaxTransdeexsychelic Acid (TDCA)ItsRQQItsQMSPFMaxTransdeexsychelic Acid (TDCA)22.620.1RSQItsMSPFMaxIts21.520.595.625.10ItsItsMSPFMaxIts11.3Q7.5RS24.10ItsItsMSPFMaxIts11.3Q7.5RSQItsItsMSPFMaxIts11.3Q7.5RSQItsItsMSPFMaxIts11.3Q7.5RSQItsItsMSPFMaxIts11.3Q7.5RSQItsItsMSPFMaxIts11.3<	Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	<u>24J1726</u>		0
Matrix Ground Ware Laborator 241726-10 Fiel Dis QOQ456714 Sampleit UQ2424 [1.32] Perparation 103024 10.46 Analyzed: 103124 16.59 Solid: Perparation EPA 1637 Pro Initial Pros 512001 COV Solid: B42083 Sequence Sul3150 Columbation 520012 Instrument LQ000 CAS NO. COMPOUND Funcehoneoxycholic Acid (TCCA) 1 0 Q 10995-50 Turocheoxycholic Acid (TCDCA) 1 1 U 0 10455-222 Turocheoxycholic Acid (TCDCA) 1 1 U 0 SYSTEM MONTRE COMPOUND ADDED (rigL) CONC (rigL) Se REC QC LMTR Q MSPFBA 22.6 20.1 88.9 25.150 1 MSPFHA 22.6 20.1 88.9 25.150 1 MSPFHA 11.3 27.5 86.1 25.150 1 MSPFHA 11.3 13.6 162 57.5 1.50 1 Perfluoro-H12-214C2(adocancia acid (MFPDA) 11.3 13.4 30.4 10.150 1 Perfluoro-H12-214C2(adocancia acid (MFPDA) 22.6 23.150 1 <t< td=""><td>Client:</td><td>EnviroTrac</td><td></td><td>Project:</td><td>Darby Drugs</td><td></td><td></td></t<>	Client:	EnviroTrac		Project:	Darby Drugs		
Samplet: 10/24/24 11:3C Prepartion: 10/30/24 10:46 Analyzet: 10/31/24 16:52 Solids: Prepartion: ERA 103 Prep Initial/Final: S1(90 ml / 5 ml	Matrix:	Ground Water Laborator	y ID: 24J1726	-10	File ID:	QQQ45677.d	
Solid: Preparation: EVA 1632 Preparation: Initial/Final: S19 9 ml / S mL Batch: B42083 Sequence: S40012 Instrument: LCOQQ CAS NO, COMPOUND DILUTION CONC (ng/L) Q 1180-95-6 Taurodecoxycholic Acid (TDCA) 1 U 6009-98-9 Taurodecoxycholic Acid (TDCA) 1 U 1469552-22 Taurounodecoxycholic Acid (TDCA) 1 U SYSTEM MONITORING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3PFHs. 22.6 27.0 119 25 - 150	Sampled:	10/24/24 11:30 Prepared:	10/30/24	4 10:46	Analyzed:	10/31/24 16:59	
Batch: BJ2083 Sequence: SJ3150 Cubbration: SJ40012 Instrument LQQQ0 CAS NO. COMPOUND DILUTION CONC.(ng/L) Q 1180-95-6 Tauncheondoxycholic Acid (TDCA) 1 U U 0609-98-9 Tauncheondoxycholic Acid (TDCA) 1 U U 14665-22-2 Tauroursdoxycholic Acid (TDCA) 1 U U SYSTEM MONITOR.ING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3PFBS 21.1 17.6 83.4 25.150 - - M3PFHSA 22.6 20.1 88.9 25.150 - - M3PFHSA 21.5 20.5 95.6 25.150 - <td< td=""><td>Solids:</td><td>Preparatio</td><td>n: EPA 163</td><td>33 Prep</td><td>Initial/Final:</td><td>551.99 mL / 5 m</td><td>L</td></td<>	Solids:	Preparatio	n: EPA 163	33 Prep	Initial/Final:	551.99 mL / 5 m	L
CAS NO. COMPOUND DILLITON CONC. (ng/L) Q 11809-56 Tumodeoxycholic Acid (TDCA) 1 U U 6609-98-9 Tumodeoxycholic Acid (TDCA) 1 U U 16605-298-9 Tumodeoxycholic Acid (TDCA) 1 U U 16605-22 Tumouschendeoxycholic Acid (TDCA) 1 U U SYSTEM MONITORING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3PFB8 21.1 17.6 83.4 25-150	Batch:	BJ42083 Sequence:	54J3150	Calibration:	SI40012	Instrument:	= LC000
Construct District District Construct Q 1180-95-6 Taurodeoxycholic Acid (TDCA) 1 U 14605-22.2 Taurosdeoxycholic Acid (TDCA) 1 U SYSTEM MONITORING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3PFBA 21.1 17.6 83.4 25-150 U M3PFBA 22.6 27.0 119 25-150 M M3PFHA 22.6 20.0 88.9 25-150 M M3PFHA 22.6 21.1 12.6 112 25-150 M4PFIpA 22.6 21.9 96.8 25-150 M M3PFLXA 11.3 12.6 112 25-150 M M7PFU4A 11.3 0.75 86.1 25-150 M Perfluoro1(12-12/2/dodecanoic acid (MPFDA) 113 3.45 10.150 M Perfluoro1(13CS/petanoic acid (MPFDA) 21.7 22.4 103 25-150 M Perfluo	CAS NO			DULUTION	CON		
I Barrosenegocycholic Acid (TDCA) 1 U 6009-96-9 Taurobenedoccycholic Acid (TCDCA) 1 U 14605-22-2 Taurobenedoccycholic Acid (TCDCA) 1 U SYSTEM MONITORING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3FPBS 21.1 17.6 83.4 25.150 M3FPBS 21.5 20.5 95.6 25.150 M4PFHpA 22.6 21.9 96.8 25.150 M3PFHxS 21.5 20.5 95.6 25.150 M4PFHpA 12.6 11.2 25.150 M4PFDA 11.3 9.75 86.1 25.150	1180.05 (DILUTION	CON	C. (IIg/L)	V V
6009-98-9 Tauroursodeoxycholic Acid (TUDCA) 1 U 14605-22-2 Tauroursodeoxycholic Acid (TUDCA) 1 U SYSTEM MONITORING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3PFBx 21.1 17.6 83.4 25 - 150 M3PFHxA 22.6 27.0 119 25 - 150 M3PFHxA 22.6 20.1 88.9 25 - 150 M3PFHxA 22.6 21.9 96.8 25 - 150 M3PFHxA 11.3 12.6 112 25 - 150 M3PFDA 11.3 9.75 86.1 25 - 150 10 25 - 150 25 - 150 15 - 150 25 - 150 25 - 150 25 - 150 <	1180-95-6	Taurodeoxycholic Acid (TDCA)					U
14605-22-2 Turoursadeoxycholic Aeid (TUDCA) 1 U SYSTEM MONITORING COMPOUND ADDED (ag/L) CONC (ag/L) % REC QC LIMITS Q M3FPBS 21.1 17.6 83.4 25 - 150 M3FPHA 22.6 27.0 119 25 - 150 M4PFIIAA 22.6 27.0 188.9 25 - 150 M3PFHAS 21.5 20.5 95.6 25 - 150 M4PFIDA 11.3 12.6 112 25 - 150 M7PFU0A 11.3 9.75 86.1 25 - 150 Perfluoro-n-f.13C4[butanoic acid (MPFDA) 11.3 6.52 57.5 25 - 150	6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	I	-		0
SYSTEM MONITORING COMPOUND ADDED (ng/L) CONC (ng/L) % REC QC LIMITS Q M3PFBAS 21.1 17.6 83.4 25.150	14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1	sk.		U
M3FPBS 21.1 17.6 83.4 25-150 M3FPHA 22.6 27.0 119 25-150 M3FPHA 22.6 20.1 88.9 25-150 M3FPHA 22.6 21.9 96.8 25-150 M3FPHA 11.3 12.6 112 25-150 MMFDA 11.3 12.6 112 25-150 M7FPLdA 11.3 9.75 86.1 25-150 M2FPLDA 11.3 6.52 57.5 25-150 Perfluoro-n-1/3C2[betanoic acid (MPFDA) 10.3 45.3 30.4 10-150 Perfluoro-n-1/3C3[betanesulfonac acid (MSPFOS) 21.7 22.4 103 25-150 Perfluoro-n-1/3C3[betanesulfonamide (MSFOSA) 22.6 23.8 105 10-150 d3-N-MEFOSA 45.3 40.6 89.7 25-150 25-150 M2-8.2 FTS 43.5 35.6 8.1.9 25-200 25-150 M2-8.2 FTS 43.5 35.6 8.1.9 25-150 25-150 <td>SYSTEM MON</td> <td>NITORING COMPOUND</td> <td>ADDED (ng/L)</td> <td>CONC (ng/L)</td> <td>% REC</td> <td>QC LIMITS</td> <td>Q</td>	SYSTEM MON	NITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
MSPFHxA 22.6 27.0 119 25-150 M4PFIpA 22.6 20.1 88.9 25-150 Parfluoro-n-[13C8]octanoic acid (M8PFOA) 22.6 21.9 96.8 25-150 M6PFDA 11.3 12.6 112 25-150 25 M7PFUdA 11.3 9.75 86.1 25-150 25 Parfluoro-n-[12C3]otdoecanoic acid (MPFDA) 11.3 6.52 57.5 25-150 Parfluoro-n-112C3[butanoic acid (MPFDA) 11.3 3.45 30.4 10-150 Perfluoro-n-113C3[butanoic acid (MPFDA) 90.6 53.8 59.4 25-150 Perfluoro-n-113C3[butanoic acid (MSPFOS) 21.7 22.4 103 25-150 Perfluoro-n-113C3[butanoic acid (MSPFOSA) 22.6 23.8 105 10-150 G3-N-MEFOSA 45.3 40.6 89.7 25-150 25 M2-52 FTS 43.1 43.6 101 25-200 25 10 M2-62 FTS 43.5 35.6 81.9 25-150 <td< td=""><td>M3PFBS</td><td></td><td>21.1</td><td>17.6</td><td>83.4</td><td>25 - 150</td><td></td></td<>	M3PFBS		21.1	17.6	83.4	25 - 150	
M4PFHpA 22.6 20.1 88.9 25-150 M3PFHxS 21.5 20.5 95.6 25-150 Perfluoro-n-[12C8]octanoic acid (M8PFOA) 22.6 21.9 96.8 25-150 M6PFDA 11.3 12.6 112 25-150 M7PEUda 11.3 9.75 86.1 22-150 M2PFTb2A 11.3 6.52 57.5 25-150 M2PFTb2A 11.3 3.45 30.4 10-150 Perfluoro-n-[12C3[bctanasulfonic acid (MPFDA) 90.6 53.8 59.4 25-150 Perfluoro-113C8[bctansulfonic acid (M8PFOS) 21.7 22.4 103 25-150 Perfluoro-113C8[bctansulfonamide (M8FOSA) 22.6 23.8 105 10-150 d5N-MEOSAA 45.3 38.2 84.3 25-150 10 d5-N-EROSA 45.3 38.2 84.3 25-150 10 M2-62 FTS 43.5 55.6 81.9 25-200 10 M2-82 FTS 43.5 52.8 12	M5PFHxA		22.6	27.0	119	25 - 150	
M3PFHxS 21.5 20.5 95.6 25 · 150 Perfluoro-n-[13C8]octanoic acid (M8PFOA) 22.6 21.9 96.8 25 · 150 M7PFUdA 11.3 12.6 112 25 · 150 M7PFUdA 11.3 9.75 86.1 25 · 150 M2PFTeDA 11.3 6.52 57.5 25 · 150 Perfluoro-n-[13C4]butanoic acid (MPFDA) 90.6 53.8 59.4 25 · 150 Perfluoro-1-13C8]bottanesulfonic acid (MSPFOS) 21.7 22.4 103 25 · 150 Perfluoro-1-13C8]bottanesulfonamide (M8POSA) 22.6 23.8 105 10 · 150 Perfluoro-1-13C8[bottanesulfonamide (M8POSA) 22.6 23.8 105 10 · 150 d3-NetrOSAA 45.3 40.6 89.7 25 · 150 25 · 150 d2-62 FTS 43.1 43.6 101 25 · 200 25 · 150 M2-62 FTS 43.5 35.6 81.9 25 · 150 25 · 150 M2-42 FTS 42.5 52.8 124 25 · 150 25 · 150 <td>M4PFHpA</td> <td></td> <td>22.6</td> <td>20.1</td> <td>88.9</td> <td>25 - 150</td> <td></td>	M4PFHpA		22.6	20.1	88.9	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA) 22.6 21.9 96.8 25 - 150 M6PFDA 11.3 12.6 112 25 - 150 M7FPUdA 11.3 9.75 86.1 25 - 150 Perfluoro-n-[13C2]dodecanoic acid (MPFDoA) 11.3 6.52 57.5 25 - 150 M2PFTEDA 11.3 3.45 30.4 10 - 150 Perfluoro-n-[13C4]butanoic acid (MPFDA) 90.6 53.8 59.4 25 - 150 Perfluoro-n-[13C5]bentanoic acid (MSPFOS) 21.7 22.4 103 25 - 150 Perfluoro-1/13C8]botanesulfonamide (M8FOSA) 22.6 23.8 105 10 - 150 d3-N-MeCOSA 45.3 31.6 114 25 - 150 113 d3-N-MeCOSA 45.3 38.2 84.3 25 - 150 113 M2-8:2 FTS 43.1 43.6 101 25 - 200 113 M2-8:2 FTS 43.5 53.6 81.9 25 - 150 114 M2-8:2 FTS 42.5 52.8 124 25 - 150 114	M3PFHxS		21.5	20.5	95.6	25 - 150	1
M6PFDA 11.3 12.6 112 25.150 M7PFUdA 11.3 0.75 86.1 25.150 Perfluoro-n-f1.2-13C2/dodecanoic acid (MPFDA) 11.3 6.52 57.5 25.150 M2PFTEDA 11.3 3.45 30.4 10.150 Perfluoro-n-f13C4/butanoic acid (MPFDA) 90.6 53.8 59.4 25.150 Perfluoro-n-f13C5/betnanoic acid (MPFDA) 45.3 51.6 114 25.150 Perfluoro-1-f13C5/betnamoic acid (MPFOA) 22.6 23.8 105 10.150 d3-N-MEFOSAA 45.3 40.6 89.7 25.150 d5-N-EFOSAA 45.3 38.2 84.3 25.150 d5-N-EFOSAA 43.5 35.6 81.9 25.200 M2-8:2 FTS 43.5 35.6 81.9 25.150 M2-4:2 FTS 42.5 52.8 124 25.150 M2-4:2 FTS 42.5 52.8 124 25.150 M3HFPO-DA 90.6 109 120 25.150	Perfluoro-n-[13	C8]octanoic acid (M8PFOA)	22.6	21.9	96.8	25 - 150	
M7PFUdA 11.3 9.75 86.1 25.150 Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) 11.3 6.52 57.5 25.150 M2PFTeDA 11.3 3.45 30.4 10.150 Perfluoro-1-[13C4]butanoic acid (MPFDA) 90.6 53.8 59.4 25.150 Perfluoro-1-[13C8]octanesulfonic acid (MPFPA) 45.3 51.6 114 25.150 Perfluoro-1-[13C8]octanesulfonamide (M8FOSA) 22.6 23.8 105 10.150 d3-NdeFOSAA 45.3 38.2 84.3 25.150 M2-62 PTS 43.1 43.6 101 25.200 M2-62 PTS 43.5 35.6 81.9 25.200 M2-82 PTS 43.5 35.6 81.9 25.150 M2-42 PTS 42.5 52.8 124 25.150 M2-42 PTS 42.5 52.8 124 25.150 M2-42 PTS 42.6 5.63 24.9 25.150 M2-42 PTS 42.6 5.63 24.9 25.150	M6PFDA		11.3	12.6	112	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA) 11.3 6.52 57.5 25 - 150 M2PTEDA 11.3 3.45 30.4 10 - 150 Perfluoro-n-[13C3]octanosulfonic acid (MSPFOS) 21.7 22.4 103 25 - 150 Perfluoro-1-[13C3]octanesulfonic acid (MSPFOS) 21.7 22.4 103 25 - 150 Perfluoro-1-[13C3[octanesulfonic acid (MSPFOS) 22.6 23.8 105 10 - 150 d3-N-MeFOSAA 45.3 38.2 84.3 25 - 150 26 - 5150 d5-N-EFOSAA 45.3 38.2 84.3 25 - 150 25 - 200 M2-6:2 FTS 43.1 43.6 101 25 - 200 25 - 150 M2-6:2 FTS 43.5 35.6 81.9 25 - 150 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 25 - 150 M2-4:2 FTS 42.6 56.3 24.9 25 - 150 26 - 150 M2-10DA 90.6	M7PFUdA		11.3	9.75	86.1	25 - 150	
M2PFTeDA 11.3 3.45 30.4 10 - 150 Perfluoro-n-[13C4]butanoic acid (M8PF0N) 90.6 53.8 59.4 25 - 150 Perfluoro-n-[13C3]octanesulfonia acid (M8PF0N) 21.7 22.4 103 25 - 150 Perfluoro-1-[13C3]octanesulfonia acid (M8PF0A) 45.3 51.6 114 25 - 150 Perfluoro-1-[13C8]octanesulfonamide (M8F0SA) 22.6 23.8 105 10 - 150 d3-N-MeF0SAA 45.3 38.2 84.3 25 - 150 M2-6:2 FTS 43.1 43.6 101 25 - 200 M2-6:2 FTS 43.5 35.6 81.9 25 - 200 M2-6:2 FTS 43.5 35.6 81.9 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-MeFOSE 22.6 78.3 34.6 25 - 150 d-N-MeFOSE 22.6 78.3 34.6 25 - 150 M3HFPO-DA 90.6 109 120	Perfluoro-n-[1,2	2-13C2]dodecanoic acid (MPFDoA)	11.3	6.52	57.5	25 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA) 90.6 53.8 59.4 25 - 150 Perfluoro-n-[13C5]pentanoic acid (MSPFOS) 21.7 22.4 103 25 - 150 Perfluoro-n-[13C3]pentanoic acid (MSPFOA) 45.3 51.6 114 25 - 150 Perfluoro-1-[13C8]pentanoic acid (MSPFOA) 22.6 22.8 105 10 - 150 d3-N-MeFOSAA 45.3 40.6 89.7 25 - 150 d5-N-EHFOSAA 45.3 38.2 84.3 25 - 150 M2-6:2 FTS 43.5 335.6 81.9 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 150 M2-8:2 FTS 42.5 52.8 124 25 - 150 M2-4:2 FTS 42.5 53.8 124 25 - 150 M2-4:2 FTS 42.6 5.63 24.9 25 - 150 M2-NeEFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 M3HFPO-SE 226 117 51.5 25 - 1	M2PFTeDA		11.3	3.45	30.4	10 - 150	1
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS) 21.7 22.4 103 25 - 150 Perfluoro-1-[13C8]octanesulfonamide (M8FOSA) 22.6 23.8 105 10 - 150 d3-N-MeFOSAA 45.3 40.6 89.7 25 - 150 d5-N-EFOSAA 45.3 38.2 84.3 25 - 150 d5-N-EFOSAA 45.3 38.2 84.3 25 - 150 M2-6.2 FTS 43.1 43.6 101 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M2-4:2 FTS 42.5 52.8 124 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 M2-HEFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 M3HFPO-DA 226 78.3 34.6 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 M4040251	Perfluoro-n-[13	C4]butanoic acid (MPFBA)	90.6	53.8	59.4	25 - 150	
Perfluoro-I-13CS]pentanoic acid (M5PFPeA) 45.3 51.6 114 25 - 150 Perfluoro-I-13CS]octanesulfonamide (M8FOSA) 22.6 23.8 105 10 - 150 d3-N-MeFOSAA 45.3 40.6 89.7 25 - 150 d5-N-EFFOSAA 45.3 38.2 84.3 25 - 150 M2-6:2 FTS 43.1 43.6 101 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-EIFOSA 22.6 5.63 24.9 25 - 150 d-N-EIFOSA 22.6 78.3 34.6 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 M3FFBA 11004.76 1.253 14054.33 1.253 MPPDA	Perfluoro-1-[13	C8]octanesulfonic acid (M8PFOS)	21.7	22.4	103	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA) 22.6 23.8 105 10 - 150 d3-N-McFOSAA 45.3 40.6 89.7 25 - 150 d5-N-EtFOSAA 45.3 38.2 84.3 25 - 150 M2-6:2 FTS 43.1 43.6 101 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M9PFNA 11.3 11.4 101 25 - 200 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-HeFOSA 22.6 5.63 24.9 25 - 150 d-N-HeFOSA 22.6 78.3 34.6 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 78.3 34.6 25 - 150 M3FFPO-DA 4043.261 8.661716 5192.04 8.643184 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHxA 10305.0	Perfluoro-n-[13	C5]pentanoic acid (M5PFPeA)	45.3	51.6	114	25 - 150	
d3-N-MeFOSAA 45.3 40.6 89.7 25 - 150 d5-N-EtFOSAA 45.3 38.2 84.3 25 - 150 M2-6:2 FTS 43.1 43.6 101 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M9PNA 11.3 11.4 101 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-EtFOSA 22.6 5.63 24.9 25 - 150 d-N-EtFOSA 22.6 78.3 34.6 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHXA 10305.07 <t< td=""><td>Perfluoro-1-[13</td><td>C8]octanesulfonamide (M8FOSA)</td><td>22.6</td><td>23.8</td><td>105</td><td>10 - 150</td><td></td></t<>	Perfluoro-1-[13	C8]octanesulfonamide (M8FOSA)	22.6	23.8	105	10 - 150	
d5-N-EIFOSAA 45.3 38.2 84.3 25 - 150 M2-6:2 FTS 43.1 43.6 101 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M9PFNA 11.3 11.4 101 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-MeFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 M3HFPO-BA 226 78.3 34.6 25 - 150 M3HFPO-BA 90.6 109 120 25 - 150 M3HFPO-BA 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFIDA 10305.07 6.177817<	d3-N-MeFOSA	A	45.3	40.6	89.7	25 - 150	
M2-6:2 FTS 43.1 43.6 101 25 - 200 M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M9PFNA 11.3 11.4 101 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MEFOSA 22.6 9.97 44.0 25 - 150 d-N-EFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 d7-N-MEFOSE 226 78.3 34.6 25 - 150 d7-N-MEFOSE 226 11.7 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFNA 10305.07 6.17817 13000.3 6.187067 MPFNA 6503.502 8.1	d5-N-EtFOSAA		45.3	38.2	84.3	25 - 150	
M2-8:2 FTS 43.5 35.6 81.9 25 - 200 M9PFNA 11.3 11.4 101 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-EtFOSA 22.6 5.63 24.9 25 - 150 d-N-EtFOSE 22.6 78.3 34.6 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 40305.07 6.177817 13000.3 6.187067 MPFHxA 10305.07 6.177817 13000.3 6.187067 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA	M2-6:2 FTS		43.1	43.6	101	25 - 200	0
M9PFNA 11.3 11.4 101 25 - 150 M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-EtFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHxA 10305.07 6.177817 13000.3 6.187067 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144	M2-8:2 FTS		43.5	35.6	81.9	25 - 200	1
M2-4:2 FTS 42.5 52.8 124 25 - 150 d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-EtFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 78.3 34.6 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHXA 10305.07 6.17817 13000.3 6.187067 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9FNA)-EIS 201.997 8.152 1821.848 8.142716	M9PFNA		11.3	11.4	101	25 - 150	
d-N-MeFOSA 22.6 9.97 44.0 25 - 150 d-N-EtFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHXA 10305.07 6.177817 13000.3 6.187067 MPFHXS 1281.947 7.056883 1358.59 7.047633 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C3[pentanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716	M2-4:2 FTS		42.5	52.8	124	25 - 150	
d-N-EtFOSA 22.6 5.63 24.9 25 - 150 M3HFPO-DA 90.6 109 120 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHxA 10305.07 6.177817 13000.3 6.187067 MPFHxS 1281.947 7.05683 1358.59 7.047633 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C4]pentanoic acid (MSPFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C4]pentanoic acid (MSPFPA)-EIS 35855.6 <td>d-N-MeFOSA</td> <td></td> <td>22.6</td> <td>9.97</td> <td>44.0</td> <td>25 - 150</td> <td></td>	d-N-MeFOSA		22.6	9.97	44.0	25 - 150	
M3HFPO-DA 90.6 109 120 25 - 150 d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHXA 10305.07 6.177817 13000.3 6.187067 MPFHXS 1281.947 7.056883 1358.59 7.047633 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9FFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C54]pentanoic acid (M5FPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFDA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[13C2]dodecanoic a	d-N-EtFOSA		22.6	5.63	24.9	25 - 150	1
d9-N-EtFOSE 226 78.3 34.6 25 - 150 d7-N-MeFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHxA 10305.07 6.177817 13000.3 6.187067 MPFHxS 1281.947 7.056883 1358.59 7.047633 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (MSPFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C4]pentanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 <td>M3HFPO-DA</td> <td></td> <td>90.6</td> <td>109</td> <td>120</td> <td>25 - 150</td> <td>()(</td>	M3HFPO-DA		90.6	109	120	25 - 150	()(
d7-N-MEFOSE 226 117 51.5 25 - 150 INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHxA 10305.07 6.177817 13000.3 6.187067 MPFHxS 1281.947 7.056883 1358.59 7.047633 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (MSPFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C4]pentanoic acid (MSPFPA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507	d9-N-EtFOSE		226	78.3	34.6	25 - 150	1
INTERNAL STANDARD AREA RT REF AREA REF RT Q M3PFBA 11004.76 1.253 14054.33 1.253 MPFDA 4043.261 8.661716 5192.04 8.643184 MPFHXA 10305.07 6.177817 13000.3 6.187067 MPFHxS 1281.947 7.056883 1358.59 7.047633 MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (MSPFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C4]pentanoic acid (M5PFPA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]putanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[13C2]dodecanoic acid (MPFDA)-EIS 5620.018 9.512617 878	d7-N-MeFOSE		226	117	51.5	25 - 150	
M3PFBA11004.761.25314054.331.253MPFDA4043.2618.6617165192.048.643184MPFHxA10305.076.17781713000.36.187067MPFHxS1281.9477.0568831358.597.047633MPFNA6503.5028.152356486.9218.143066MPFOA12424.77.5858514633.587.58585MPFOS3350.1448.188654085.8238.179367Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS2031.9978.1521821.8488.142716Perfluoro-n-[13C8]octanoic acid (MSPFOA)-EIS9216.0657.59476710905.197.5855Perfluoro-n-[13C4]pentanoic acid (MSPFPA)-EIS28195.541.250761992.381.2507Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS5620.0189.5126178783.0249.512617	INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	Q
MPFDA4043.2618.6617165192.048.643184MPFHxA10305.076.17781713000.36.187067MPFHxS1281.9477.0568831358.597.047633MPFNA6503.5028.152356486.9218.143066MPFOA12424.77.5858514633.587.58585MPFOS3350.1448.188654085.8238.179367Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS2031.9978.1521821.8488.142716Perfluoro-n-[13C8]octanoic acid (MSPFOA)-EIS9216.0657.59476710905.197.5855Perfluoro-n-[13C4]pentanoic acid (MSPFPeA)-EIS35855.64.5786537113.444.597633Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS28195.541.250761992.381.2507Perfluoro-n-[13C2]dodecanoic acid (MPFDoA)-EIS5620.0189.5126178783.0249.512617	M3PFBA		11004.76	1.253	14054.33	1.253	
MPFHxA10305.076.17781713000.36.187067MPFHxS1281.9477.0568831358.597.047633MPFNA6503.5028.152356486.9218.143066MPFOA12424.77.5858514633.587.58585MPFOS3350.1448.188654085.8238.179367Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS2031.9978.1521821.8488.142716Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS9216.0657.59476710905.197.5855Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS35855.64.5786537113.444.597633Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS28195.541.250761992.381.2507Perfluoro-n-[1,1,2-13C2]dodecanoic acid (MPFDoA)-EIS5620.0189.5126178783.0249.512617	MPFDA		4043.261	8.661716	5192.04	8.643184	
MPFHxS1281.9477.0568831358.597.047633MPFNA6503.5028.152356486.9218.143066MPFOA12424.77.5858514633.587.58585MPFOS3350.1448.188654085.8238.179367Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS2031.9978.1521821.8488.142716Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS9216.0657.59476710905.197.5855Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS35855.64.5786537113.444.597633Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS28195.541.250761992.381.2507Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS5620.0189.5126178783.0249.512617	MPFHxA		10305.07	6.177817	13000.3	6.187067	
MPFNA 6503.502 8.15235 6486.921 8.143066 MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	MPFHxS		1281.947	7.056883	1358.59	7.047633	
MPFOA 12424.7 7.58585 14633.58 7.58585 MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	MPFNA		6503.502	8.15235	6486.921	8.143066	
MPFOS 3350.144 8.18865 4085.823 8.179367 Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	MPFOA		12424.7	7.58585	14633.58	7.58585	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS 2031.997 8.152 1821.848 8.142716 Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	MPFOS		3350.144	8.18865	4085.823	8.179367	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS 9216.065 7.594767 10905.19 7.5855 Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	Perfluoro-n-[13	C9]nonanoic acid (M9PFNA)-EIS	2031.997	8.152	1821.848	8.142716	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS 35855.6 4.57865 37113.44 4.597633 Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	Perfluoro-n-[13	C8]octanoic acid (M8PFOA)-EIS	9216.065	7.594767	10905.19	7.5855	1
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS 28195.54 1.2507 61992.38 1.2507 Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	Perfluoro-n-[13	C54]pentanoic acid (M5PFPeA)-EIS	35855.6	4,57865	37113.44	4,597633	1
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS 5620.018 9.512617 8783.024 9.512617	Perfluoro-n-[13	C4lbutanoic acid (MPFBA)-EIS	28195.54	1.2507	61992.38	1,2507	
	Perfluoro-n-[1.]	2-13C2]dodecanoic acid (MPFDoA)-EIS	5620.018	9.512617	8783.024	9.512617	

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MW13R-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>		11
Client:	EnviroTrac	Project:	Darby Drugs		
Matrix:	Ground Water Laboratory ID: 24J172	26-11	File ID:	<u>QQQ45678.d</u>	
Sampled:	10/24/24 11:50 Prepared: 10/30/	24 10:46	Analyzed:	10/31/24 17:15	
Salida	Desperation: EDA 1	633 Bron	Initial/Final:	542.29 mL /5 r	
Solids:	rieparation. <u>EFA I</u>		minal/Final.	<u>542.28 IIIL7 5 I</u>	
Batch:	<u>BJ42083</u> Sequence: <u>S4J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	LCQQQ
CAS NO.	COMPOUND	DILUTION	CON	C. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1		9.82	
307-24-4	Perfluorohexanoic acid (PFHxA)	1		8.96	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1		6.73	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1		1.36	J
335-67-1	Perfluorooctanoic acid (PFOA)	1	-	12.3	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1		2.32	
375-95-1	Perfluorononanoic acid (PFNA)	1		3.11	
335-76-2	Perfluorodecanoic acid (PFDA)	1	(0.837	J
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1		1.84	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1		1.84	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1		1.84	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	11.	1.84	U
2355-31-9	N-MeFOSAA	1		1.84	U
2991-50-6	N-EtFOSAA	1		1.84	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1		10.9	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1		1.84	U
375-92-8	Perfluoro-1-bentanesulfonic acid (PEHpS)	1		1.76	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1		1.78	U
27619-97-2	1H 1H 2H 2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	1	1.88	U L
39108-34-4	1H 1H 2H 2H-Perfluorodecanesulfonic acid (8:2 FTS)	1		7.08	П
375-22-4	Perfluoro-n-butanoic acid (PERA)	1		6.21	I
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PEEESA)	1		3.28	I
151772-58-6	Perfluoro-3 6-diovabentanoic acid (NEDHA)	1		3.60	U
377-73-1	Perfluoro-4-ovapentanoic acid (PEMPA)	1		3.69	LAT H
863000 80 5	Porfluoro 5 ovehevenoio agid (PEMPA)	1		3.60	
2706.91.4	Perfluoro 1 pentaneculfonate (PEPaS)	1		1 73	U
757124 72 4	1H 1H 2H 2H Perfluerobevenesulfenie acid (4:2 ETS)	1	-	6.02	U
12252 12 6	LIEBO DA (Gen X)	1		7.39	U
762051 02 0		1		6.07	U
703031-92-9		1		6.00	U U
010005 14 4				6.90	
70780 20 5		i		1.70	
/9/80-39-5	Periluorododecanesultonic acid (PFDoS)			1.79	
68259-12-1	Perfluoro-1-nonanesultonic acid (PFNS)			1.//	U
356-02-5	3-Pertiuoropropyl propanoic acid (FPrPA)	1		4.01	
914637-49-3	3-Pertiuoropentyl propanoic acid (FPePA)			23.1	0
812-70-4	3-Pertluoroheptyl propanoic acid (FHpPA)	1		23.1	U
24448-09-7	N-MeFOSE	11		18.4	U
31506-32-8	N-MeFOSA	1		1.84	NJR
1691-99-2	N-EtFOSE	1		18.4	U
4151-50-2	N-EtFOSA	1	-	1.84	U

ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW13R-20241024

Laboratory	York Analytical Laboratories, Inc Str	atford	SDG:	<u>24J1726</u>		1
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: 24J1726	-11	File ID:	QQQ45678.d	
Sampled:	10/24/24 11:50 Prepared:	10/30/24	10:46	Analyzed:	10/31/24 17:15	
Colidar			3 D	I_::::::::::::::::::::::::::::::::::::	542.29	T
Solids:	Preparatio	n: <u>EPA 163</u>	<u>3 Prep</u>	Initial/Final:	<u>542.28 mL / 5 m</u>	L
Batch:	BJ42083 Sequence:	<u>84J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	LCQQQ
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MON	JITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	OC LIMITS	0
M3PFBS		21.5	18.4	85.6	25 - 150	*
MSPFHxA		21.5	23.3	101	25 - 150	
M4PFHpA		23.1	20.9	90.6	25 - 150	
M3PFHxS		21.9	20.5	93.8	25 - 150	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)	23.1	25.6	111	25 - 150	1
M6PFDA		11.5	12.7	110	25 - 150	
M7PFUdA		11.5	10.2	88.2	25 - 150	1
Perfluoro-n-[1,2	2-13C21dodecanoic acid (MPFDoA)	11.5	6.44	55.9	25 - 150	
M2PFTeDA		11.5	6.09	52.8	10 - 150	
Perfluoro-n-[13	C4]butanoic acid (MPFBA)	92.2	41.3	44.8	25 - 150	
Perfluoro-1-[13	C8]octanesulfonic acid (M8PFOS)	22.1	22.0	99.6	25 - 150	
Perfluoro-n-[13	C5]pentanoic acid (M5PFPeA)	46.1	46.5	101	25 - 150	
Perfluoro-1-[13	C8]octanesulfonamide (M8FOSA)	23.1	23.3	101	10 - 150	
d3-N-MeFOSA	Α	46.1	37.9	82.2	25 - 150	
d5-N-EtFOSAA	A	46.1	41.9	91.0	25 - 150	
M2-6:2 FTS		43.8	52.7	120	25 - 200	
M2-8:2 FTS		44.3	40.8	92.1	25 - 200	
M9PFNA		11.5	10.7	93.2	25 - 150	
M2-4:2 FTS		43.2	62.3	144	25 - 150	
d-N-MeFOSA		23.1	12.9	56.0	25 - 150	
d-N-EtFOSA		23.1	10.9	47.4	25 - 150	
M3HFPO-DA		92.2	85.5	92.7	25 - 150	
d9-N-EtFOSE		231	129	55.9	25 - 150	
d7-N-MeFOSE		231	156	67.7	25 - 150	
INTERNAL ST	TANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		11883.16	1.253	14054.33	1.253	
MPFDA		5000.156	8.65245	5192.04	8.643184	
MPFHxA		11689.12	6.168567	13000.3	6.187067	
MPFHxS		1268.949	7.047633	1358.59	7.047633	
MPFNA		6494.247	8.143066	6486.921	8.143066	
MPFOA		13297.41	7.576567	14633.58	7.58585	
MPFOS		3788.772	8.179367	4085.823	8.179367	
Perfluoro-n-[13	3C9]nonanoic acid (M9PFNA)-EIS	1876.35	8.142716	1821.848	8.142716	-
Perfluoro-n-[13	3C8]octanoic acid (M8PFOA)-EIS	11316.59	7.576217	10905.19	7.5855	
Perfluoro-n-[13	3C54]pentanoic acid (M5PFPeA)-EIS	36132.5	4.56945	37113.44	4.597633	
Perfluoro-n-[13	3C4]butanoic acid (MPFBA)-EIS	22959.39	1.2507	61992.38	1.2507	
Perfluoro-n-[1,	2-13C2]dodecanoic acid (MPFDoA)-EIS	6747.871	9.512617	8783.024	9.512617	

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MW14R-20241024

Client: EnviroTrac Project: Darby Drugs	
Matrix: Ground Water Laboratory ID: 24J1726-12 File ID: 00045679.d	
Sampled: 10/24/24 12:05 Prepared: 10/30/24 10:46 Analyzed: 10/31/24 17:31	
Solids: Preparation: <u>EPA 1633 Prep</u> Initial/Final: <u>546.85 mL / 5 m</u>	<u>1L</u>
Batch: BJ42083 Sequence: S4J3150 Calibration: SJ40012 Instrument:	LCQQQ
CAS NO. COMPOUND DILUTION CONC. (ng/L)	Q
375-73-5Perfluorobutanesulfonic acid (PFBS)123.7	1
307-24-4Perfluorohexanoic acid (PFHxA)117.5	1
375-85-9Perfluoroheptanoic acid (PFHpA)116.7	J
355-46-4Perfluorohexanesulfonic acid (PFHxS)10.814	J
335-67-1 Perfluorooctanoic acid (PFOA) 1 32.9	1.1.1.1.1.1.1.1.1
1763-23-1 Perfluorooctanesulfonic acid (PFOS) 1 14.0	
375-95-1 Perfluorononanoic acid (PFNA) 1 6.54	0
335-76-2 Perfluorodecanoic acid (PFDA) 1 6.43	
2058-94-8 Perfluoroundecanoic acid (PFUnA) 1 1.46	J
307-55-1 Perfluorododecanoic acid (PFDoA) 1 1.90	
72629-94-8 Perfluorotridecanoic acid (PFTrDA) 1 1.83	U
376-06-7 Perfluorotetradecanoic acid (PFTA) 1 1.83	U
2355-31-9 N-MeFOSAA 1 1.83	U
2991-50-6 N-EtFOSAA 1 1.83	U
2706-90-3 Perfluoropentanoic acid (PFPeA) 1 24.7	
754-91-6 Perfluoro-1-octanesulfonamide (FOSA) 1 1.83	U
375-92-8 Perfluoro-1-heptanesulfonic acid (PFHpS) 1 1.75	U
335-77-3 Perfluoro-1-decanesulfonic acid (PFDS) 1 1.76	U
27619-97-2 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS) 1 2.19	U +
39108-34-4 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) 1 7.02	U
375-22-4 Perfluoro-n-butanoic acid (PFBA) 1 10.1	
113507-82-7 Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) 1 3.26	U
151772-58-6 Perfluoro-3,6-dioxaheptanoic acid (NFDHA) 1 3.66	U
377-73-1 Perfluoro-4-oxapentanoic acid (PFMPA) 1 3.66	47.25
863090-89-5 Perfluoro-5-oxahexanoic acid (PFMBA) 1 3.66	U
2706-91-4 Perfluoro-1-pentanesulfonate (PFPeS) 1 1.72	U
757124-72-4 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) 1 6.86	U
13252-13-6 HFPO-DA (Gen-X) 1 7.31	U
763051-92-9 11CL-PF3OUdS 1 6.91	U
756426-58-1 9CL-PF3ONS 1 6.84	U
919005-14-4 ADONA 1 691	U
79780-39-5 Perfluorododecanesulfonic acid (PFDoS) 1 1 1 77	U
68259-12-1 Perfluoro-1-nonanesulfonic acid (PFNS) 1 1.76	U
356-02-5 3-Perfluoropropyl propanoic acid (FPrPA) 1 4 57	U U
914637-49-3 3-Perfluoropentyl propanoic acid (FPePA) 1 22.9	U U
812-70-4 3-Perfluorohentyl propanoic acid (FHpPA)	
24448-09-7 N-MeFOSE 1 18.3	U U
31506-32-8 N-MEFOSA 1 18.3	u1
1691-99-2 N-EtFOSE 1 18.3	
4151-50-2 N-EtFOSA 1 1 1 83	<u>U</u>

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ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

MW14R-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	24J1726		12
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Ground Water Laborator	y ID: <u>24J1726</u>	-12	File ID:	<u>QQQ45679.d</u>	
Sampled:	<u>10/24/24 12:05</u> Prepared:	10/30/24	4 10:46	Analyzed:	10/31/24 17:31	
Solids:	Preparatio	on: EPA 163	33 Prep	Initial/Final:	546.85 mL / 5 m	L
Batch:	BJ42083 Sequence:	S413150	Calibration:	\$140012	Instrument:	Z COOO
CASNO			DILUTION	CON		
1180.05 (DILUTION	CON	C. (IIg/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA	.)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MONIT	FORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.3	17.9	84.3	25 - 150	
M5PFHxA		22.9	26.9	118	25 - 150	
M4PFHpA		22.9	21.2	92.6	25 - 150	
M3PFHxS		21.7	19.9	92.0	25 - 150	1
Perfluoro-n-[13C8	8]octanoic acid (M8PFOA)	22.9	23.6	103	25 - 150	
M6PFDA		11.4	14.5	127	25 - 150	
M7PFUdA		11.4	11.2	98.1	25 - 150	
Perfluoro-n-[1,2-1	3C2]dodecanoic acid (MPFDoA)	11.4	8.33	72.9	25 - 150	
M2PFTeDA		11.4	7.21	63.1	10 - 150	
Perfluoro-n-[13C4	4]butanoic acid (MPFBA)	91.4	23.8	26.0	25 - 150	
Perfluoro-1-[13C	8]octanesulfonic acid (M8PFOS)	21.9	23.8	109	25 - 150	
Perfluoro-n-[13C:	5]pentanoic acid (M5PFPeA)	45.7	50.5	111	25 - 150	
Perfluoro-1-[13C	8]octanesulfonamide (M8FOSA)	22.9	25.8	113	10 - 150	
d3-N-MeFOSAA		45.7	40.4	88.3	25 - 150	
d5-N-EtFOSAA		45.7	44.5	97.4	25 - 150	
M2-6:2 FTS		43.5	58.0	133	25 - 200	
M2-8:2 FTS		43.9	44.2	101	25 - 200	
M9PFNA		11.4	12.3	108	25 - 150	
M2-4:2 FTS		42.9	63.8	149	25 - 150	
d-N-MeFOSA		22.9	14.4	63.2	25 - 150	
d-N-EtFOSA		22.9	12.6	55.2	25 - 150	
M3HFPO-DA		91.4	95.4	104	25 - 150	
d9-N-EtFOSE		229	99.7	43.6	25 - 150	
d7-N-MeFOSE		229	145	63.3	25 - 150	
INTERNAL STA	NDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		10295.96	1.234633	14054.33	1.253	
MPFDA		3811.386	8.670983	5192.04	8.643184	
MPFHxA		9570.753	6.168567	13000.3	6.187067	
MPFHxS		1179.218	7.047633	1358.59	7.047633	
MPFNA		5814.255	8.162167	6486.921	8.143066	
MPFOA		12888.93	7.58585	14633.58	7.58585	
MPFOS		3288.685	8.197933	4085.823	8.179367	-
Perfluoro-n-[13C	9]nonanoic acid (M9PFNA)-EIS	1939.727	8.161817	1821.848	8.142716	
Perfluoro-n-[13C	8]octanoic acid (M8PFOA)-EIS	10257.9	7.5855	10905.19	7,5855	
Perfluoro-n-[13C	54]pentanoic acid (M5PFPeA)-EIS	32414.97	4,55105	37113.44	4,597633	
Perfluoro-n-[13C	4]butanoic acid (MPFBA)-EIS	11546.98	1.23235	61992.38	1.2507	
Perfluoro-n-[1,2-	13C21dodecanoic acid (MPFDoA)-EIS	6708.508	9.531466	8783.024	9.512617	



ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

DUP-20241024

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>		13
Client:	EnviroTrac	Project:	Darby Drugs		
Matrix:	Ground Water Laboratory ID: 24J17	26-13	File ID:	QQQ45680.d	
Sampled:	10/24/24 12:35 Prepared: 10/30	/24 10:46	Analyzed:	10/31/24 17:47	
Solids:	Preparation: EPA 1	633 Pren	Initial/Final:	549 37 mL / 5 r	nI
Dotah:		<u>Calibertian</u>		<u>549.57 mL7 51</u>	
Balch:	<u>BJ42085</u> Sequence: <u>S4J3150</u>	Canbration:	<u>SJ40012</u>	Instrument:	
CAS NO.	COMPOUND	DILUTION	CON	IC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1		10.5	
307-24-4	Perfluorohexanoic acid (PFHxA)	1		8.00	-
375-85-9	Perfluoroheptanoic acid (PFHpA)	1		10.2	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1		6.56	
335-67-1	Perfluorooctanoic acid (PFOA)	1		20.6	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1		3.54	-
375-95-1	Perfluorononanoic acid (PFNA)	1		1.05	J
335-76-2	Perfluorodecanoic acid (PFDA)	1		1.82	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1		1.82	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1		1.82	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1		1.82	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1		1.82	U
2355-31-9	N-MeFOSAA	1		1.82	U
2991-50-6	N-EtFOSAA	1		1.82	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1		7.78	1.
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1		1.82	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1		1.74	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1		1.76	U
27619-97-2	1H.1H.2H.2H-Perfluorooctanesulfonic acid (6:2 FTS)	1		1.26	UT
39108-34-4	1H.1H.2H.2H-Perfluorodecanesulfonic acid (8:2 FTS)	1		6.99	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1		5.01	I
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PEESA)	1		3 24	f
151772-58-6	Perfluoro-3.6-dioxaheptanoic acid (NFDHA)	1		3.64	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1		3 64	UTH
863090-89-5	Perfluoro-5-oxabexanoic acid (PFMBA)	1		3.64	U
2706-91-4	Perfluoro-1-pentanesulfonate (PEPeS)	1		0.812	I
757124-72-4	1H 1H 2H 2H-Perfluorohexanesulfonic acid (4·2 FTS)	1	101	6.83	U U
13252-13-6	HFPO-DA (Gen-X)	1		7.28	<u> </u>
763051-92-9	11CL-PE3OUdS	1		6.88	U
756426-58-1	9CL-PF3ONS	1		6.81	1
919005-14-4	ADONA	1		6.88	1
79780-39-5	Perfluorododecanesulfonic acid (PEDoS)	1		1 77	
68259 12 1	Perfluoro 1 nononomifario soid (PENS)	1		1.77	<u> </u>
356 02 5	3. Perfluoropropyl propancia acid (FDrDA)	1		1.75	
01/627 /0 2	3. Derfluoropentyl propencie seid (EDeDA)	1		1.JJ 11.9	
912 70 4	2 Derfluorohentyl propensis soid (FU-DA)			22.0	
012-70-4			-	22.8	U
24448-09-7				18.2	
31506-32-8	IN-METUSA		-	1.82	NJV
1691-99-2	N-EtFUSE	1		18.2	U
4151-50-2	N-EtFOSA	1		1.82	U

ORGANIC ANALYSIS DATA SHEET

EPA 1633 Draft 3

DUP-20241024

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	<u>24J1726</u>		(3
Client:	EnviroTrac		Project:	Darby Drugs		•
Matrix:	Ground Water Laborator	y ID: 24J1726	-13	File ID:	QQQ45680.d	
Sampled:	10/24/24 12:35 Prepared:	10/30/24	10:46	Analyzed:	10/31/24 17:47	
Solids:	Preparatio	n: EPA 163	3 Prep	Initial/Final:	549.37 mL / 5 m	L
Batch:	BJ42083 Sequence:	S4J3150	Calibration:	SJ40012	Instrument:	= LC000
CASNO			DILUTION	CON	(ng/I)	
1190.05.6	Tours desauchalis Asid (TDCA)		DILUTION	CON	C. (IIg/L)	V II
1180-93-0		``	1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)		-		U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MON	ITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS		21.2	22.4	105	25 - 150	
M5PFHxA		22.8	26.9	118	25 - 150	
M4PFHpA		22.8	22.3	98.0	25 - 150	
M3PFHxS		21.6	24.4	113	25 - 150	
Perfluoro-n-[130	C8]octanoic acid (M8PFOA)	22.8	30.3	133	25 - 150	
M6PFDA		11.4	16.1	142	25 - 150	1
M7PFUdA		11.4	11.6	102	25 - 150	
Perfluoro-n-[1,2	-13C2]dodecanoic acid (MPFDoA)	11.4	9.31	81.9	25 - 150	
M2PFTeDA		11.4	7.44	65.4	10 - 150	
Perfluoro-n-[130	C4]butanoic acid (MPFBA)	91.0	63.7	70.0	25 - 150	
Perfluoro-1-[130	C8]octanesulfonic acid (M8PFOS)	21.8	25.0	115	25 - 150	
Perfluoro-n-[130	C5]pentanoic acid (M5PFPeA)	45.5	51.8	114	25 - 150	1
Perfluoro-1-[130	C8]octanesulfonamide (M8FOSA)	22.8	26.1	115	10 - 150	
d3-N-MeFOSAA	A	45.5	42.6	93.6	25 - 150	
d5-N-EtFOSAA		45.5	43.4	95.3	25 - 150	1
M2-6:2 FTS		43.3	41.0	94.7	25 - 200	
M2-8:2 FTS		43.7	40.0	91.5	25 - 200	1 I
M9PFNA		11.4	12.2	107	25 - 150	
M2-4:2 FTS		42.7	50.9	119	25 - 150	1
d-N-MeFOSA		22.8	13.3	58.7	25 - 150	
d-N-EtFOSA		22.8	10.6	46.5	25 - 150	
M3HFPO-DA		91.0	110	121	25 - 150	
d9-N-EtFOSE		228	154	67.7	25 - 150	1
d7-N-MeFOSE		228	193	84.9	25 - 150	
INTERNAL ST.	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		10332.89	1.225467	14054.33	1.253	
MPFDA		4001.084	8.717334	5192.04	8.643184	
MPFHxA		10438.38	6.159333	13000.3	6.187067	
MPFHxS		1118.13	7.075366	1358.59	7.047633	
MPFNA		5849.393	8.20975	6486.921	8.143066	
MPFOA		11437.29	7.63305	14633.58	7.58585	
MPFOS		3326.553	8.235967	4085.823	8.179367	
Perfluoro-n-[13	C9]nonanoic acid (M9PFNA)-EIS	1946.46	8.20935	1821.848	8.142716	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)-EIS	11658.05	7.632667	10905.19	7.5855	
Perfluoro-n-[13	C54]pentanoic acid (M5PFPeA)-EIS	36393.38	4,514266	37113.44	4,597633	
Perfluoro-n-[13	C4]butanoic acid (MPFBA)-EIS	31174.56	1.223167	61992.38	1.2507	
Perfluoro-n-[1.2	2-13C2]dodecanoic acid (MPFDoA)-EIS	7912.407	9.540717	8783.024	9.512617	



ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

Equipment Blank

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>		14
Client:	EnviroTrac	Project:	Darby Drugs		· · · ·
Matrix:	Water Laboratory ID: 24J172	26-14	File ID:	QQQ45681.d	
Sampled:	<u>10/24/24 14:40</u> Prepared: 10/30/	24 10:46	Analyzed:	10/31/24 18:03	
Solids:	Preparation: EPA 1	633 Prep	Initial/Final:	543.51 mL/5 r	nL
Batch:	BJ42083 Sequence: S4J3150	Calibration:	SJ40012	Instrument:	 LC000
CASNO		DILUTION	CON		
275 72 5	Parfluorohutanogulfonia paid (DEDS)	DILOTION	00	1.62	Q U
373-73-3	Perfluorobutanesunoine acid (PEUv A)	1		1.03	U
307-24-4	Perfluorohexanoic acid (PEHrA)	1		1.04	
373-83-9	Perfluoroneptanoic acid (PFHpA)		-	1.64	NJ JF
333-40-4	Perfluoronexanesulionic acid (PFHXS)	1		1.08	0
333-07-1		1		1.84	0
1/63-23-1	Perfluorooctanesultonic acid (PFOS)			1.71	0
375-95-1	Perfluorononanoic acid (PFNA)	1		1.84	U
335-76-2	Perfluorodecanoic acid (PFDA)	1		1.84	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1		1.84	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1		1.84	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1		1.84	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1		1.84	U
2355-31-9	N-MeFOSAA	1		1.84	U
2991-50-6	N-EtFOSAA	1		1.84	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1		3.68	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1		1.84	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1		1.76	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1		1.78	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1		2.21	u
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1		7.07	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1		0.817	JY
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1		3.28	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1		3.68	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1		3.68	NJH
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1		3.68	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1		1.73	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1		6.90	U
13252-13-6	HFPO-DA (Gen-X)	1	·	7.36	U
763051-92-9	11CL-PF3OUdS	1		6.95	U
756426-58-1	9CL-PF3ONS	1		6.88	U
919005-14-4	ADONA	1	-	6.95	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1	1.78	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1		1.77	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1		4.60	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1		23.0	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1		23.0	U
24448-09-7	N-MeFOSE	1		18.4	U
31506-32-8	N-McFOSA	1		1.84	N 1 N
1691-99-2	N-EtFOSE	1		18.4	U U
4151-50-2	N-EtFOSA	1		1.84	U

ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

Equipment Blank

Laboratory:	York Analytical Laboratories, Inc Str	atford	SDG:	24J1726		14
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Water Laborator	y ID: 24J1726	-14_	File ID:	QQQ45681.d	
Sampled:	10/24/24 14:40 Prepared:	10/30/24	10:46	Analyzed:	10/31/24 18:03	
Salida		EDA 162	2 D		542.51 - L/S	T
Solids:	Ртератанс	EPA 103	<u>s Prep</u>	Initial/Final:	<u>543.51 mL / 5 m</u>	L
Batch:	BJ42083 Sequence:	<u>S4J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	LCQQQ
CAS NO.	COMPOUND		DILUTION	CON	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA	.)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MON	NITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	OC LIMITS	0
M3PFBS		21.4	22.9	107	25 - 150	
M5PFHxA		23.0	29.2	127	25 - 150	
M4PFHpA		23.0	23.6	102	25 - 150	
M3PFHxS		21.8	25.0	115	25 - 150	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)	23.0	32.4	141	25 - 150	
M6PFDA	· · · · · · · · · · · · · · · · · · ·	11.5	16.0	139	25 - 150	
M7PFUdA		11.5	13.8	120	25 - 150	· · · · · · · · · · · · · · · · · · ·
Perfluoro-n-[1,2	2-13C2]dodecanoic acid (MPFDoA)	11.5	11.8	103	25 - 150	
M2PFTeDA		11.5	9.28	80.7	10 - 150	
Perfluoro-n-[13	C4]butanoic acid (MPFBA)	92.0	8.80	9.57	25 - 150	1
Perfluoro-1-[13	C8]octanesulfonic acid (M8PFOS)	22.0	26.7	121	25 - 150	
Perfluoro-n-[13	C5]pentanoic acid (M5PFPeA)	46.0	50.8	110	25 - 150	
Perfluoro-1-[13	C8loctanesulfonamide (M8FOSA)	23.0	29.8	130	10 - 150	
d3-N-MeFOSA	A	46.0	47.2	103	25 - 150	
d5-N-EtFOSAA	N	46.0	50.7	110	25 - 150	
M2-6:2 FTS		43.7	41.6	95.1	25 - 200	1
M2-8:2 FTS		44.2	41.2	93.3	25 - 200	
M9PFNA		11.5	14.3	125	25 - 150	
M2-4:2 FTS		43.1	57.5	133	25 - 150	
d-N-MeFOSA		23.0	18.6	81.1	25 - 150	
d-N-EtFOSA		23.0	13.6	59.0	25 - 150	
M3HFPO-DA		92.0	120	131	25 - 150	
d9-N-EtFOSE		230	169	73.5	25 - 150	
d7-N-MeFOSE		230	208	90.6	25 - 150	
INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		9241.668	1.216283	14054.33	1.253	
MPFDA		3744.674	8.745133	5192.04	8.643184	
MPFHxA		10021.11	6.177817	13000.3	6.187067	·
MPFHxS		1096.624	7.093867	1358.59	7.047633	
MPFNA		5033.504	8.237567	6486.921	8.143066	
MPFOA		11524.92	7.6516	14633.58	7.58585	
MPFOS		3296.942	8.27345	4085.823	8.179367	
Perfluoro-n-[13	C9]nonanoic acid (M9PFNA)-EIS	1946.754	8.237166	1821.848	8.142716	
Perfluoro-n-[13	C8]octanoic acid (M8PFOA)-EIS	12422.4	7.651217	10905.19	7.5855	
Perfluoro-n-[13	C54]pentanoic acid (M5PFPeA)-EIS	33910.1	4.532667	37113.44	4.597633	
Perfluoro-n-[13	C4]butanoic acid (MPFBA)-EIS	3811.725	1.213983	61992.38	1.2507	· · · · · · · · · · · · · · · · · · ·
Perfluoro-n-[1,2	2-13C2]dodecanoic acid (MPFDoA)-EIS	9294.912	9.5777	8783.024	9.512617	



ORGANIC ANALYSIS DATA SHEET EPA 1633 Draft 3

Field Blank

Laboratory:	York Analytical Laboratories, Inc Stratford	SDG:	<u>24J1726</u>		15
Client:	EnviroTrac	Project:	Darby Drugs		
Matrix:	Water Laboratory ID: 24J172	26-15	File ID:	<u>QQQ45682.d</u>	
Sampled:	10/24/24 14:50 Prepared: 10/30/	24 10:46	Analyzed:	10/31/24 18:19	
Solida	Draparation: EDA 14	622 Drop	Initial/Final:	544.05 mL / 5 m	al
Solids:	Preparation: <u>EPA 10</u>	<u>533 Prep</u>	Initial/Final:	<u>544.95 mL / 5 n</u>	
Batch:	<u>BJ42083</u> Sequence: <u>S4J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	
CAS NO.	COMPOUND	DILUTION	CONC	C. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.	.62	U
307-24-4	Perfluorohexanoic acid (PFHxA)	I	1.	.84	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.	.84	476
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.	.68	U
335-67-1	Perfluorooctanoic acid (PFOA)	1	1.	.84	U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	1	.71	U
375-95-1	Perfluorononanoic acid (PFNA)	1	1	.84	U
335-76-2	Perfluorodecanoic acid (PFDA)	1	1	.84	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1	.84	U
307-55-1	Perfluorododecanoic acid (PFDoA)	I	1	.84	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1	.84	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1	.84	U
2355-31-9	N-MeFOSAA	1	1	.84	U
2991-50-6	N-EtFOSAA	1	1	.84	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	3	.67	U
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1	.84	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1	.75	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1	.77	U
27619-97-2	1H 1H 2H 2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	2	51	14 1
39108-34-4	1H.1H.2H.2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7	.05	U
375-22-4	Perfluoro-n-butanoic acid (PEBA)	1	7	34	414
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PEEESA)	1	3	27	IJ
151772-58-6	Perfluoro-3 6-dioxabentanoic acid (NEDHA)	1	3	67	U
377-73-1	Perfluoro-4-oxapentanoic acid (PEMPA)	1	3	67	WIN
863090-89-5	Perfluoro-5-oxabexanoic acid (PFMBA)	1	3	67	U
2706-91-4	Perfluoro-1-pentanesulfonate (PEPeS)	1	1	72	U
757124-72-4	1H 1H 2H 2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6		U
13252-13-6	HFPO-DA (Gen-X)	1	7	1 34	U
763051-92-9	11CL-PF3OUdS	1	6	<u>.94</u>	U
756426-58-1	QCL_PF3ONS	1	6	5.86	U
919005-14-4		1	6	5.94	U
70780 30 5	Porfluorododoconosulfania poid (PEDoS)	1	1	78	U
69250 12 1	Parfluoro 1 nonnecultorio acid (PENS)	1	1	76	
356 02 5	2 Derfluerenrenvl propercie acid (FPrDA)	1		1.50	
014(27.40.2	3-Perfluoropropyl propanoic acid (FPFPA)			1.39	U
914037-49-3	2 Perfluence heart a propanoic acid (FPEPA)			22.9	
812-70-4	S-refluoroneptyl propanoic acid (FHpPA)			.2.9	U
24448-09-7	N-MeFOSE	1		18.4	U 111
31506-32-8	N-Met-USA	1		1.84	NJ O
1691-99-2	N-EtFOSE	11	1	18.4	U
4151-50-2	N-EtFOSA	1		1.84	U

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Field Blank

Laboratory:	York Analytical Laboratories, Inc Stra	atford	SDG:	24J1726		15
Client:	EnviroTrac		Project:	Darby Drugs		
Matrix:	Water Laboratory	/ ID: 24J1726	-15	File ID:	OOO45682.d	
Sampled:	10/24/24 14:50 Prepared:	10/30/24	10:46	Analyzed:	10/31/24 18:19	
		<u>10/50/21</u>	2.0		544.05 L / 5	T
Solids:	Preparatio	n: <u>EPA 163</u>	<u>3 Prep</u>	Initial/Final:	<u>544.95 mL / 5 m</u>	<u>L</u>
Batch:	BJ42083 Sequence:	<u>54J3150</u>	Calibration:	<u>SJ40012</u>	Instrument:	LCQQQ
CAS NO.	COMPOUND		DILUTION	CONC	C. (ng/L)	Q
1180-95-6	Taurodeoxycholic Acid (TDCA)		1			U
6009-98-9	Taurochenodeoxycholic Acid (TCDCA)	1			U
14605-22-2	Tauroursodeoxycholic Acid (TUDCA)		1			U
SYSTEM MONI	TORING COMPOLIND	ADDED (ng/L)	CONC (ng/L)	% RFC	OC LIMITS	
Madede		21.4	20.0	07.8	25 150	×
MSPELYA		21.4	20.9	97.8	25 - 150	
MADEHDA		22.9	10.3	84.3	25 - 150	
M3PEHyS		21.7	22.5	103	25 - 150	
Perfluoro-n-[13C	Bloctanoic acid (M8PEQA)	21.7	25.5	112	25 - 150	
M6PEDA	is joetanoie acta (wist i orty	11.5	15.3	134	25 - 150	
MOTTDA		11.5	11.8	103	25 - 150	
Perfluoro-n-[1 2-	13C21dodecanoic acid (MPEDoA)	11.5	10.4	91.1	25 - 150	1
M2PFTeDA	TSC2 [ubdecanore deld [int T Dort]	11.5	6.80	59.3	10 - 150	
Perfluoro-n-[130	Albutanoic acid (MPFBA)	91.8	7.87	8 57	25 - 150	1
Perfluoro-1-[13C	(8) (100 acid acid acid acid acid acid acid acid	22.0	22.6	103	25 - 150	1
Perfluoro-n-[130	C5 pentanoic acid (M5PFPeA)	45.9	38.8	84.6	25 - 150	
Perfluoro-1-[130	C8loctanesulfonamide (M8FOSA)	22.9	22.9	99.9	10 - 150	
d3-N-MeFOSAA	· · · · · · · · · · · · · · · · · · ·	45.9	37.6	81.9	25 - 150	
d5-N-EtFOSAA		45.9	40.2	87.6	25 - 150	
M2-6:2 FTS		43.6	36.7	84.1	25 - 200	
M2-8:2 FTS		44.0	36.5	82.8	25 - 200	
M9PFNA		11.5	11.2	97.6	25 - 150	
M2-4:2 FTS		43.0	50.6	118	25 - 150	
d-N-MeFOSA		22.9	15.9	69.4	25 - 150	
d-N-EtFOSA		22.9	11.2	48.8	25 - 150	
M3HFPO-DA		91.8	96.3	105	25 - 150	
d9-N-EtFOSE		229	120	52.3	25 - 150	
d7-N-MeFOSE		229	153	66.7	25 - 150	
INTERNAL ST	ANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA		10540.92	1.216283	14054.33	1.253	
MPFDA		3833.621	8.745133	5192.04	8.643184	
MPFHxA		11902.68	6.177817	13000.3	6.187067	· · · · · · · · · · · · · · · · · · ·
MPFHxS		1180.391	7.093867	1358.59	7.047633	
MPFNA		6478.701	8.237567	6486.921	8.143066	
MPFOA		12558.39	7.6516	14633.58	7.58585	
MPFOS		3735.768	8.27345	4085.823	8.179367	
Perfluoro-n-[130	C9]nonanoic acid (M9PFNA)-EIS	1961.983	8.237166	1821.848	8.142716	
Perfluoro-n-[130	C8]octanoic acid (M8PFOA)-EIS	10731.83	7.661933	10905.19	7.5855	
Perfluoro-n-[130	C54]pentanoic acid (M5PFPeA)-EIS	30870.77	4.532667	37113.44	4.597633	
Perfluoro-n-[130	C4]butanoic acid (MPFBA)-EIS	3895.984	1.213983	61992.38	1.2507	
Perfluoro-n-[1,2	-13C2]dodecanoic acid (MPFDoA)-EIS	8431.451	9.5777	8783.024	9.512617	

