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 ($NaMnO_4$) 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 on-site 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 on-site/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), 1,2-dichloroethene (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.

Figures

north

LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- SHALLOW CLUSTER MONITORING WELL
- PIEZOMETER – INSTALLED BY PWGC (FULLY SCREENED)
- AREA 1 GROUNDWATER FLOW STUDY AREA
- ST STORM SEWER LINE
- SS SANITARY SEWER LINE
- W WATER LINE
- E ELECTRIC LINE
- G GAS LINE

MW2010-01
AREA 1
AREA 2
DRAINAGE EASEMENT WITH TWO (2) 42" STORM DRAIN LINES
SEWER EASEMENT WITH TWO (2) 42" SANITARY SEWER LINES
SUMP
PZ-SUMP
BUILDING No. 2
MW-14R
PZ005
PZ003
PZ004
PZ006
MW-1R
MW-13R
MW2010-02
PZ002
MW2010-04
NASSAU STREET
MW-12R
PZ001
AREA 3
BANKS AVENUE
MW-2R
FLOOD WALL
SMITH POND
MW-11R
MW-9
FLOOD GATE
MTA BUS GARAGE
FLOOD WALL
MW-3
AREA 4
MW-4
MW-6
MW-7
MW-8
LONG ISLAND RAILROAD

EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

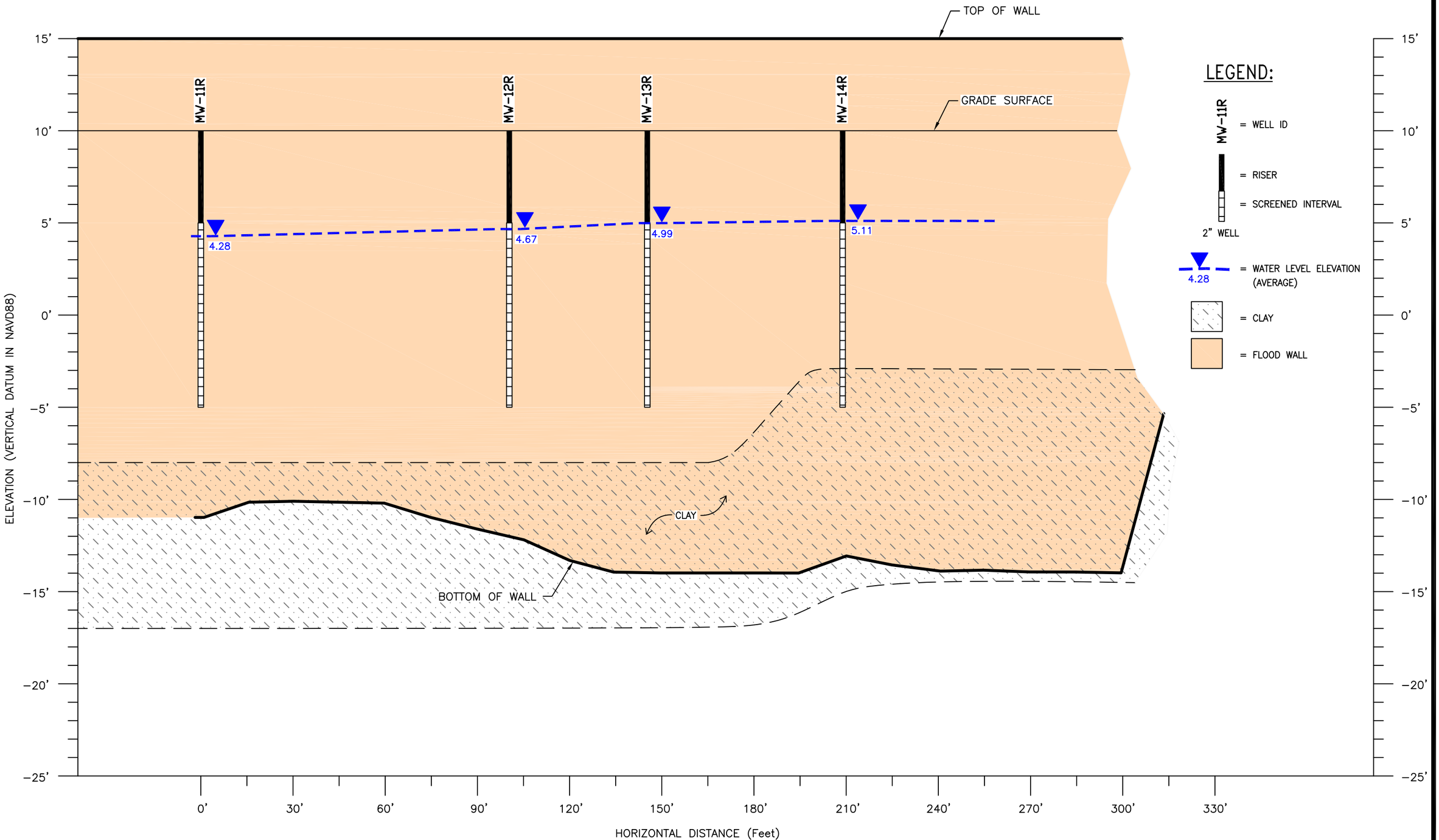
0 60
SCALE IN FEET

REVISION DATE: 1/22/2025
REVISED BY: B.S.

80 & 100 BANKS AVENUE
ROCKVILLE CENTRE, NEW YORK

SITE PLAN

FIGURE #
1



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VERTICAL SCALE: 1 INCH = 5 FT.
HORIZONTAL SCALE: 1 INCH = 30 FT.

REVISION DATE: 12/9/2024

REVISED BY: B.S.

80 & 100 BANKS AVENUE
ROCKVILLE CENTRE, NEW YORK

FLOOD WALL PROFILE CROSS-SECTION

FIGURE #
2

Figure 3 -
Precipitation (JFK International Airport)

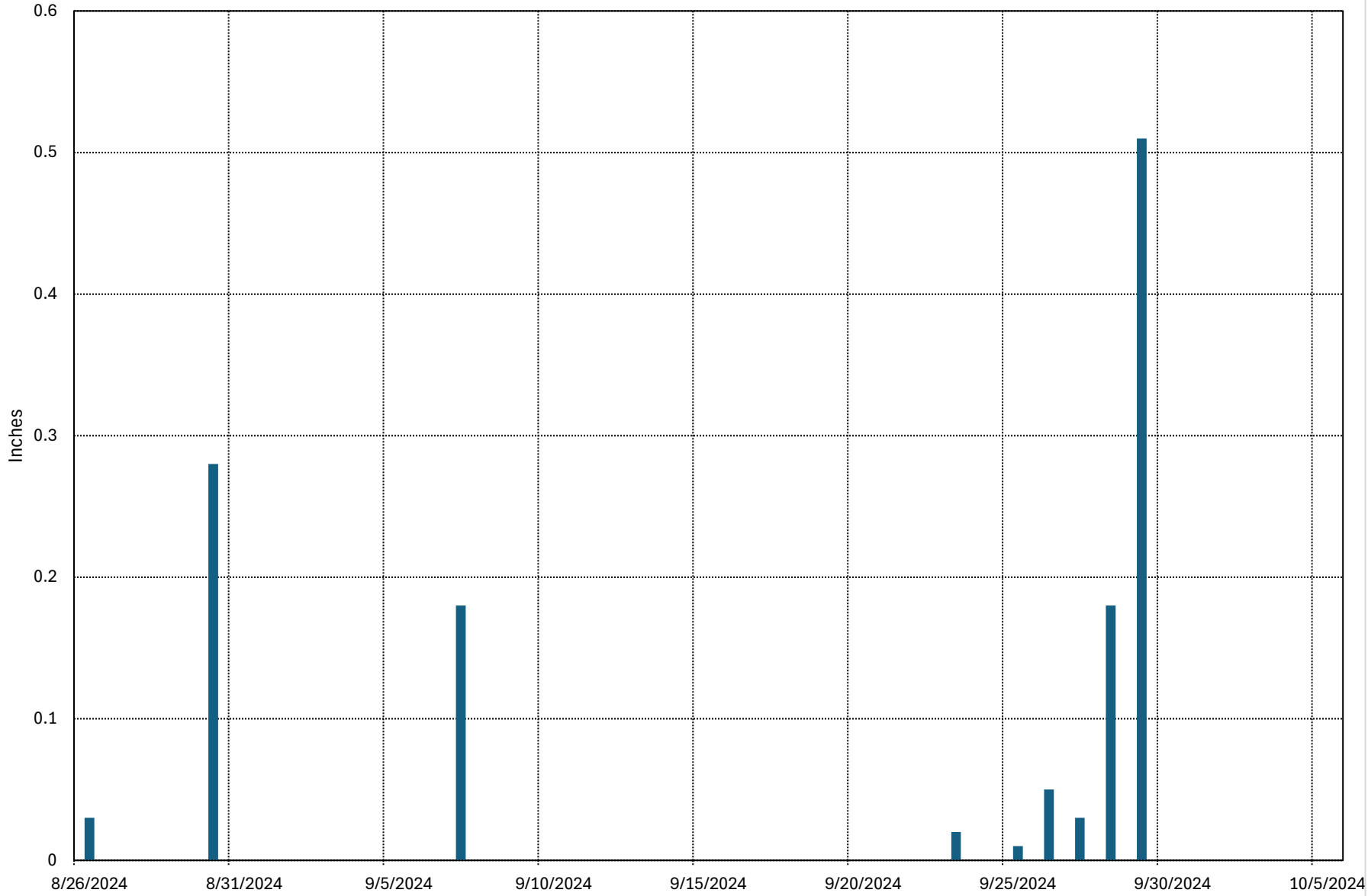


Figure 4 - OUII Logger Water Level Elevations

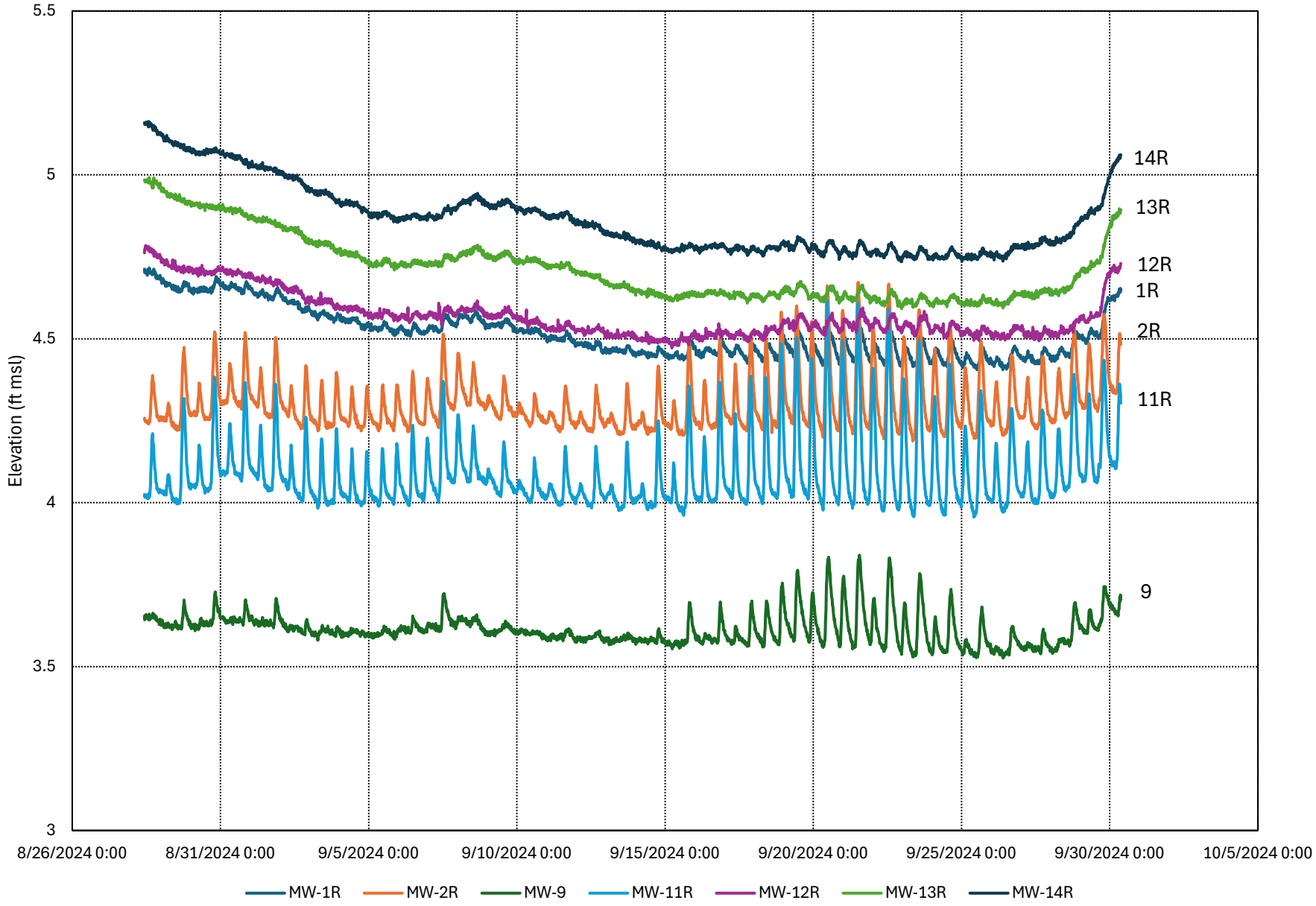
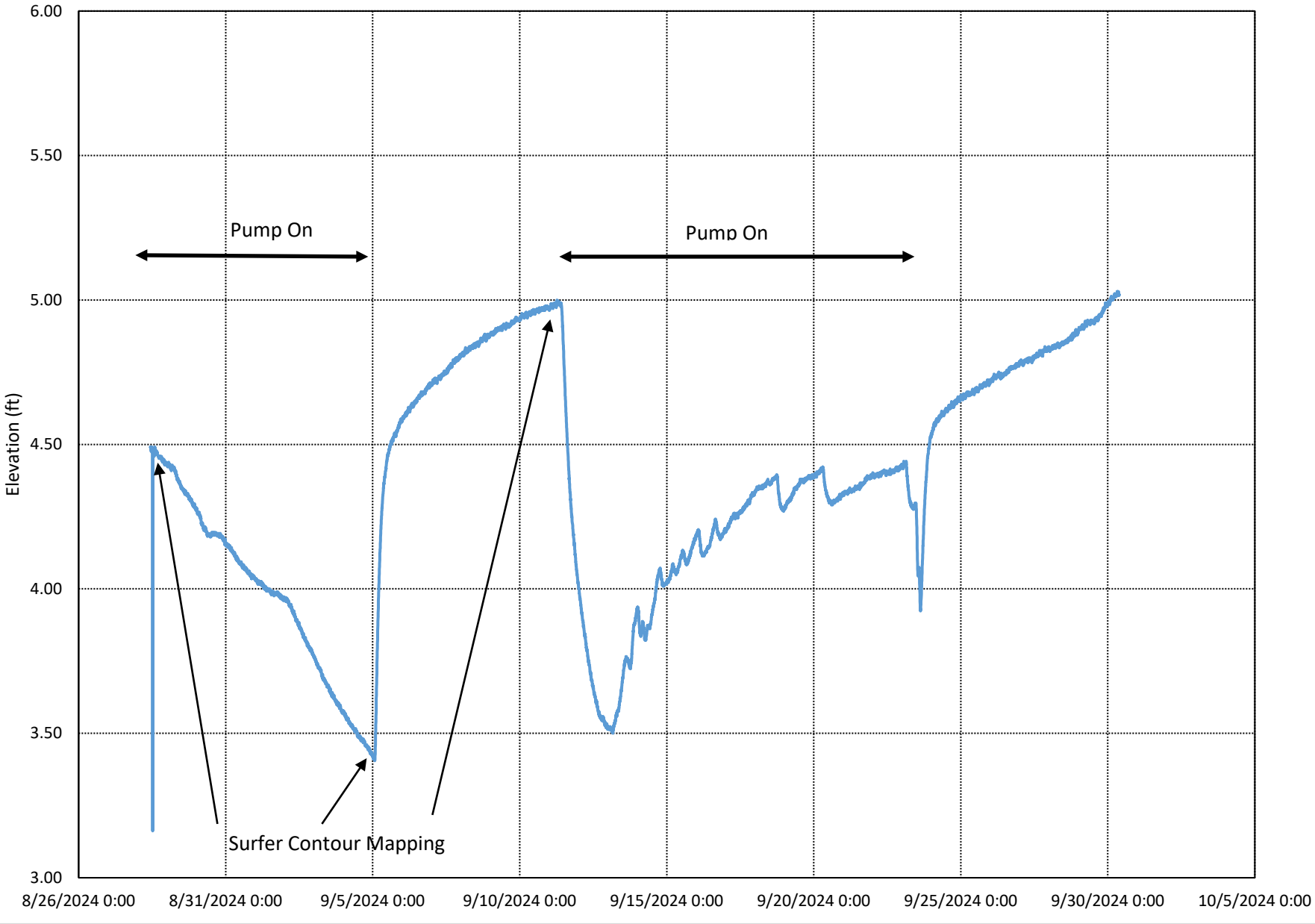


Figure 5 - OUI - PZ-SUMP



north

LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- SHALLOW CLUSTER MONITORING WELL
- PIEZOMETER – INSTALLED BY PWGC (FULLY SCREENED)
- ST — STORM SEWER LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- E — ELECTRIC LINE
- G — GAS LINE
- 4.50 GROUNDWATER ELEVATION (feet)
- GROUNDWATER FLOW DIRECTION

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0 60
SCALE IN FEET

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INFERRED GROUNDWATER FLOW PATTERNS AUGUST 28, 2024

FIGURE # 6

north

LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- SHALLOW CLUSTER MONITORING WELL
- PIEZOMETER – INSTALLED BY PWGC (FULLY SCREENED)
- ST — STORM SEWER LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- E — ELECTRIC LINE
- G — GAS LINE
- 3.41 GROUNDWATER ELEVATION (feet)
- GROUNDWATER FLOW DIRECTION

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0 60
SCALE IN FEET

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80 & 100 BANKS AVENUE
ROCKVILLE CENTRE, NEW YORK

INFERRED GROUNDWATER FLOW PATTERNS SEPTEMBER 5, 2024

FIGURE # 7

north

LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- SHALLOW CLUSTER MONITORING WELL
- PIEZOMETER – INSTALLED BY PWGC (FULLY SCREENED)
- ST — STORM SEWER LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- E — ELECTRIC LINE
- G — GAS LINE
- 4.98 GROUNDWATER ELEVATION (feet)
- GROUNDWATER FLOW DIRECTION

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0 60
SCALE IN FEET

REVISION DATE: 12/9/2024 REVISED BY: B.S.

80 & 100 BANKS AVENUE
ROCKVILLE CENTRE, NEW YORK

INFERRED GROUNDWATER FLOW PATTERNS SEPTEMBER 11, 2024

FIGURE # 8

north

LEGEND:

- PROPERTY LINE
- MONITORING WELL LOCATION
- SHALLOW CLUSTER MONITORING WELL
- PIEZOMETER – INSTALLED BY PWGC (FULLY SCREENED)
- ST — STORM SEWER LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- E — ELECTRIC LINE
- G — GAS LINE
- 4.98 GROUNDWATER ELEVATION (feet)
- GROUNDWATER FLOW DIRECTION

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0 60
SCALE IN FEET

REVISION DATE: 12/9/2024 REVISED BY: B.S.

80 & 100 BANKS AVENUE
ROCKVILLE CENTRE, NEW YORK

INFERRED GROUNDWATER FLOW PATTERNS OCTOBER 24, 2024

FIGURE # 9

Figure 10 - MW2 & MW2R

Former Darby Drugs - OUII
BCP C130140A

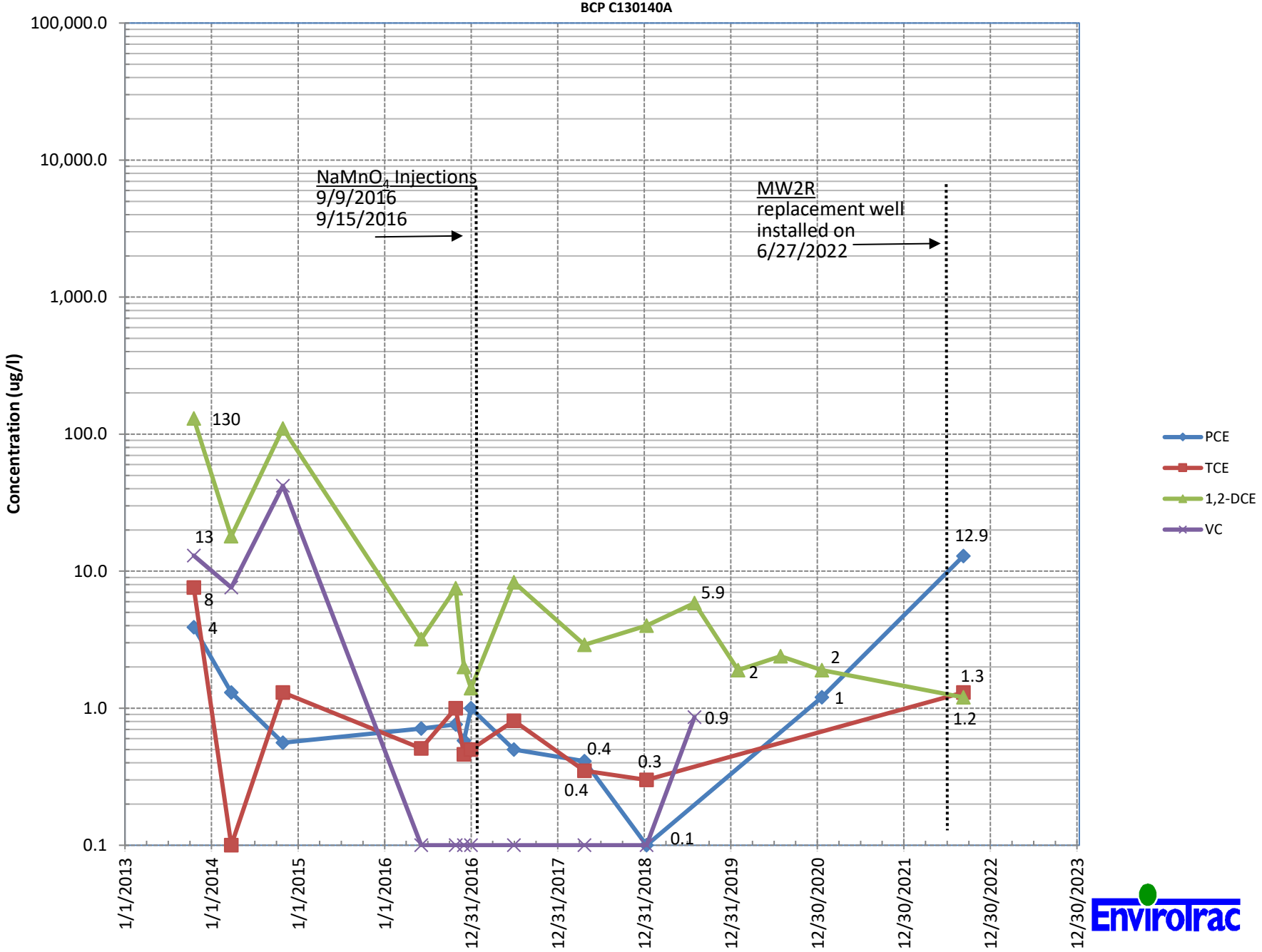

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Figure 11 - MW11 & MW11R

Former Darby Drugs - OUII

BCP C130140A

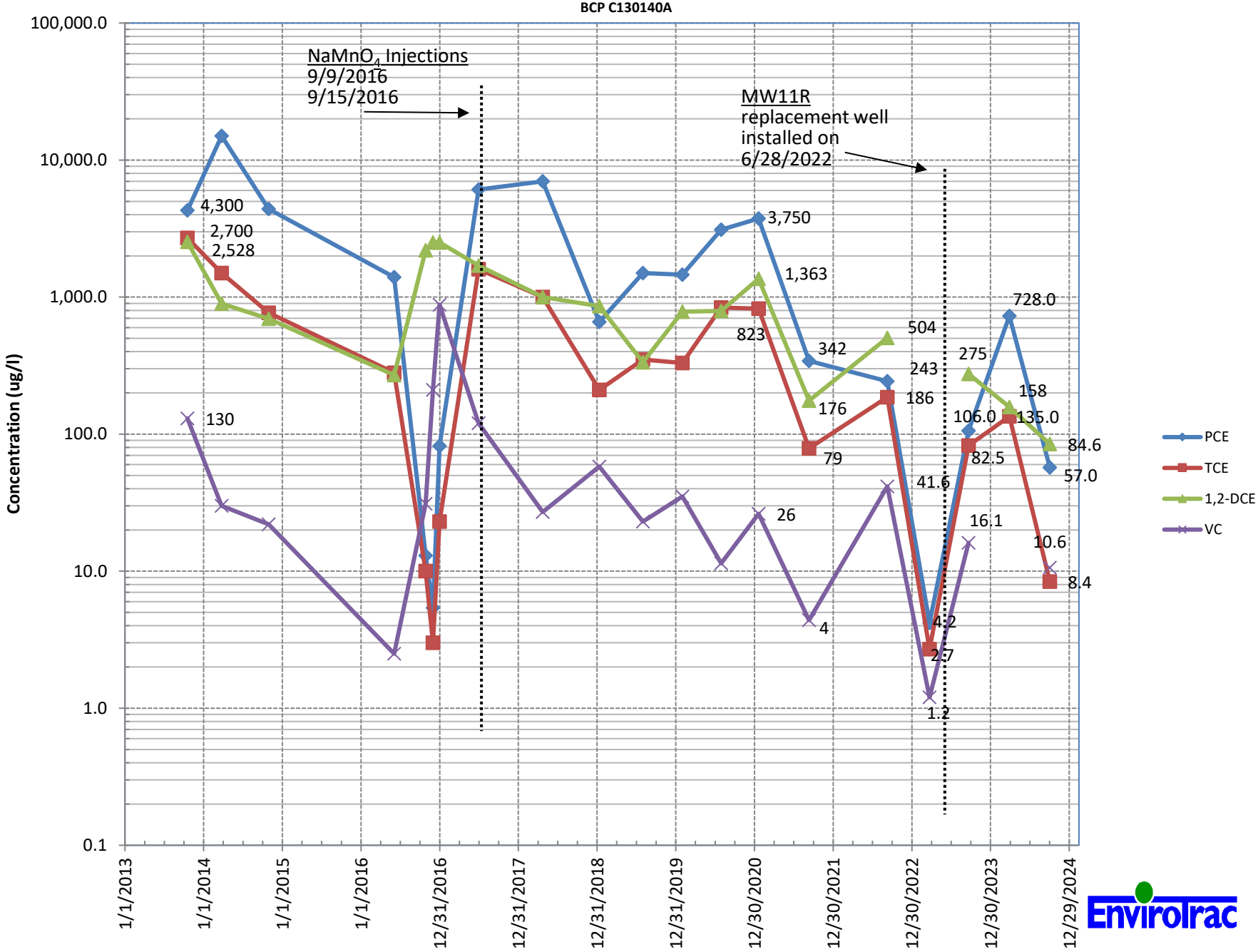

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Figure 12 - MW12 & MW12R

Former Darby Drugs - OUII

BCP C13014A

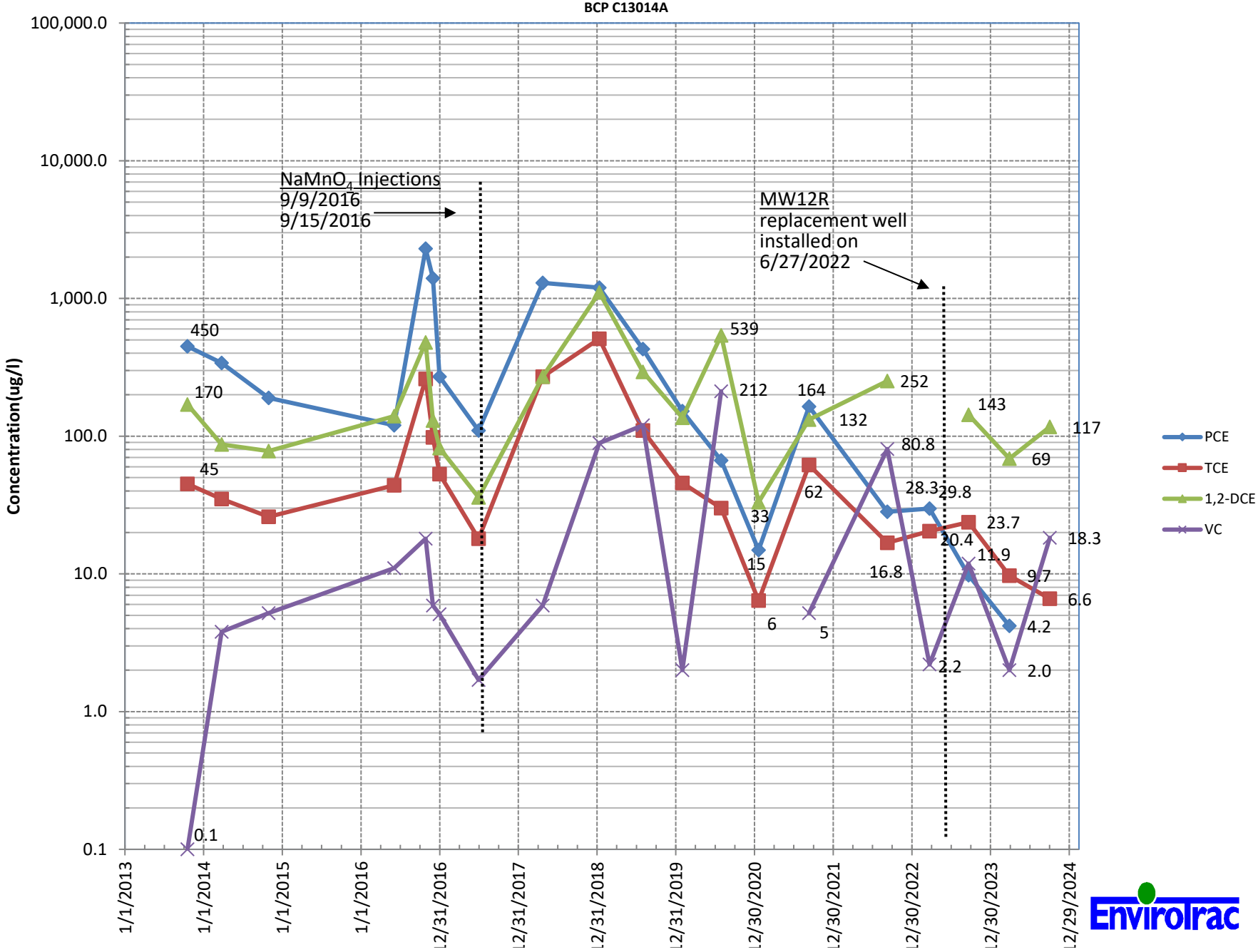

Figure 13 - MW13 & MW13R

Former Darby Drugs - OUII

BCP C130140A

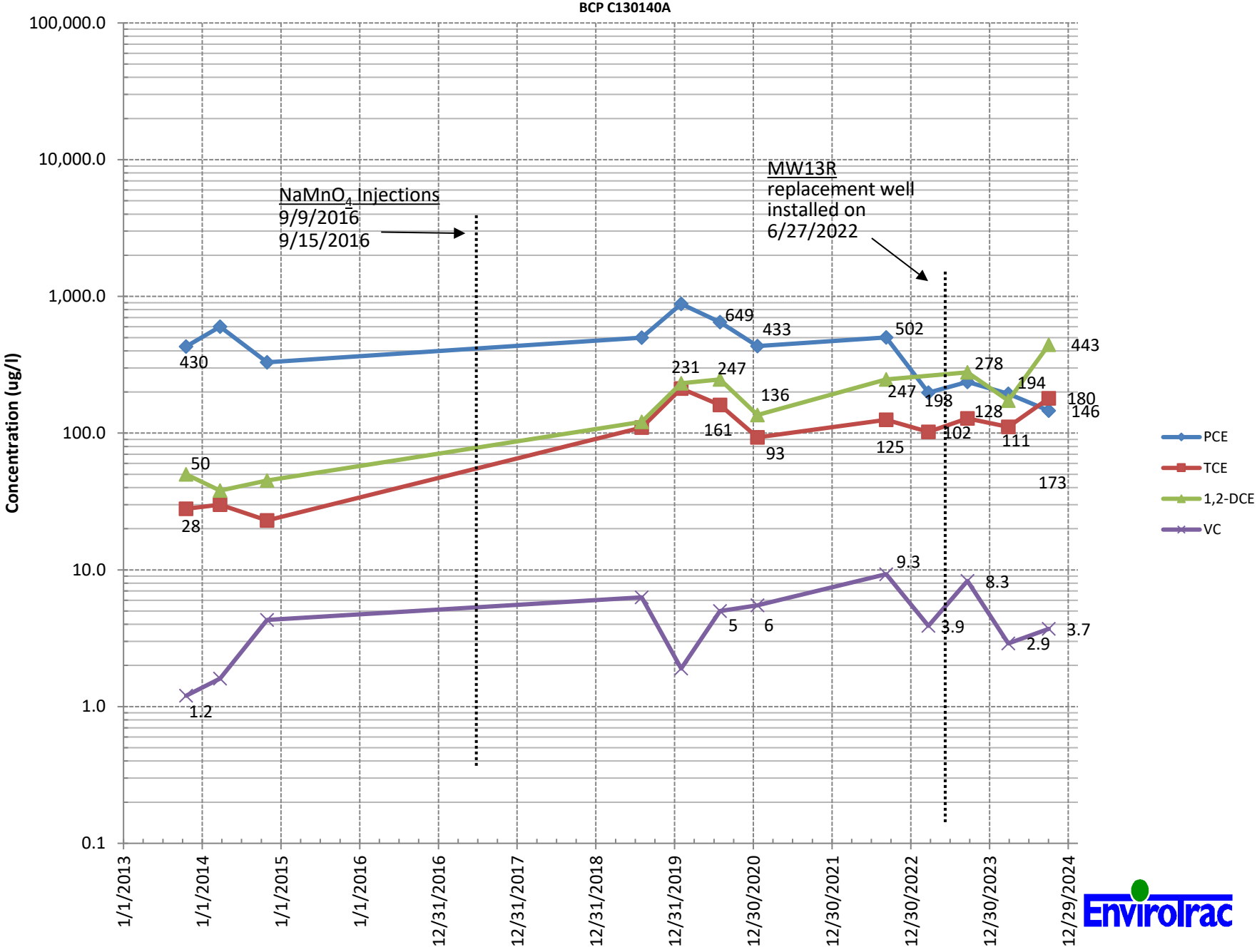

Figure 14 - MW14 & MW14R

Former Darby Drugs - OUII

BCP C130140A

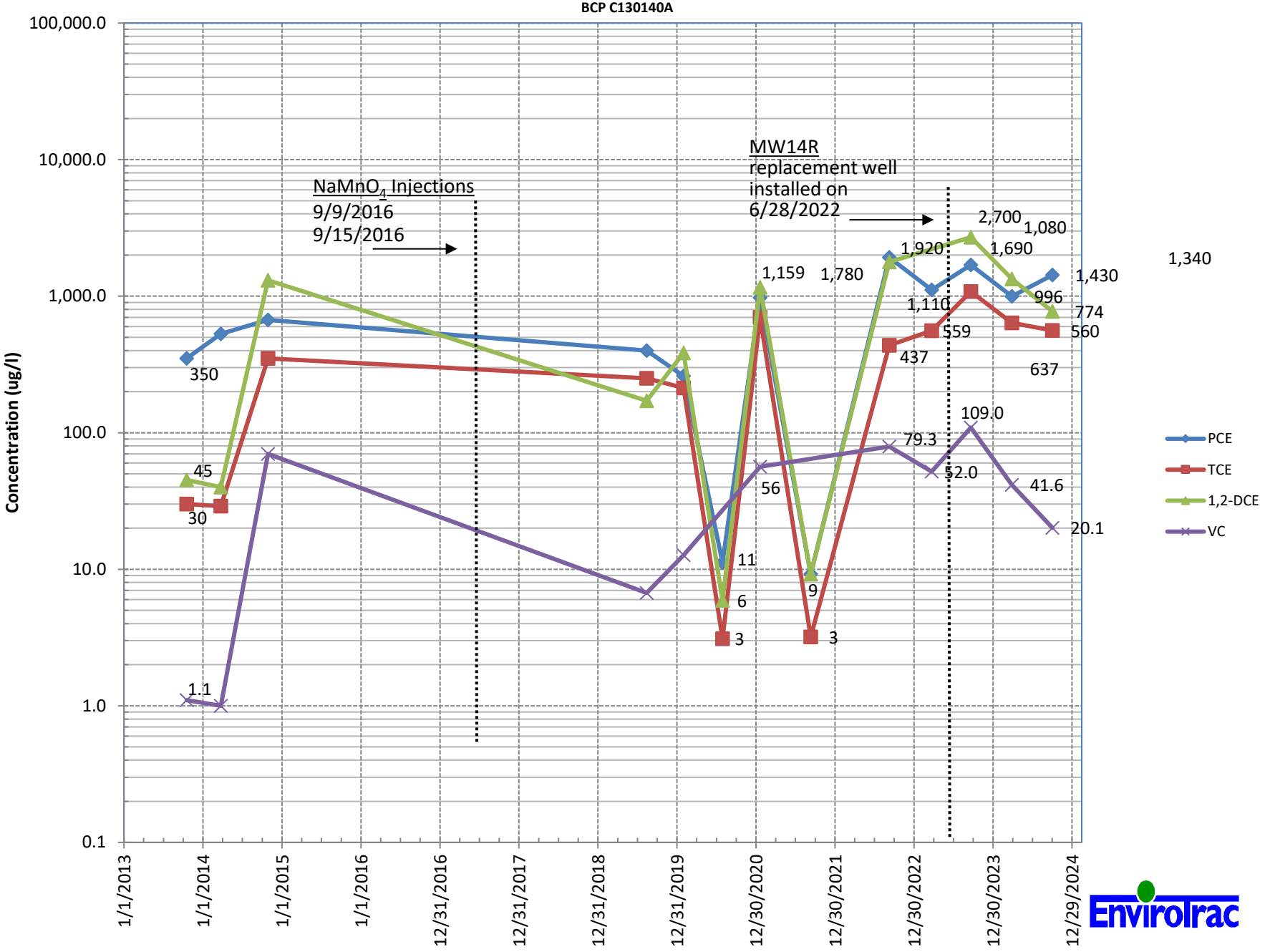

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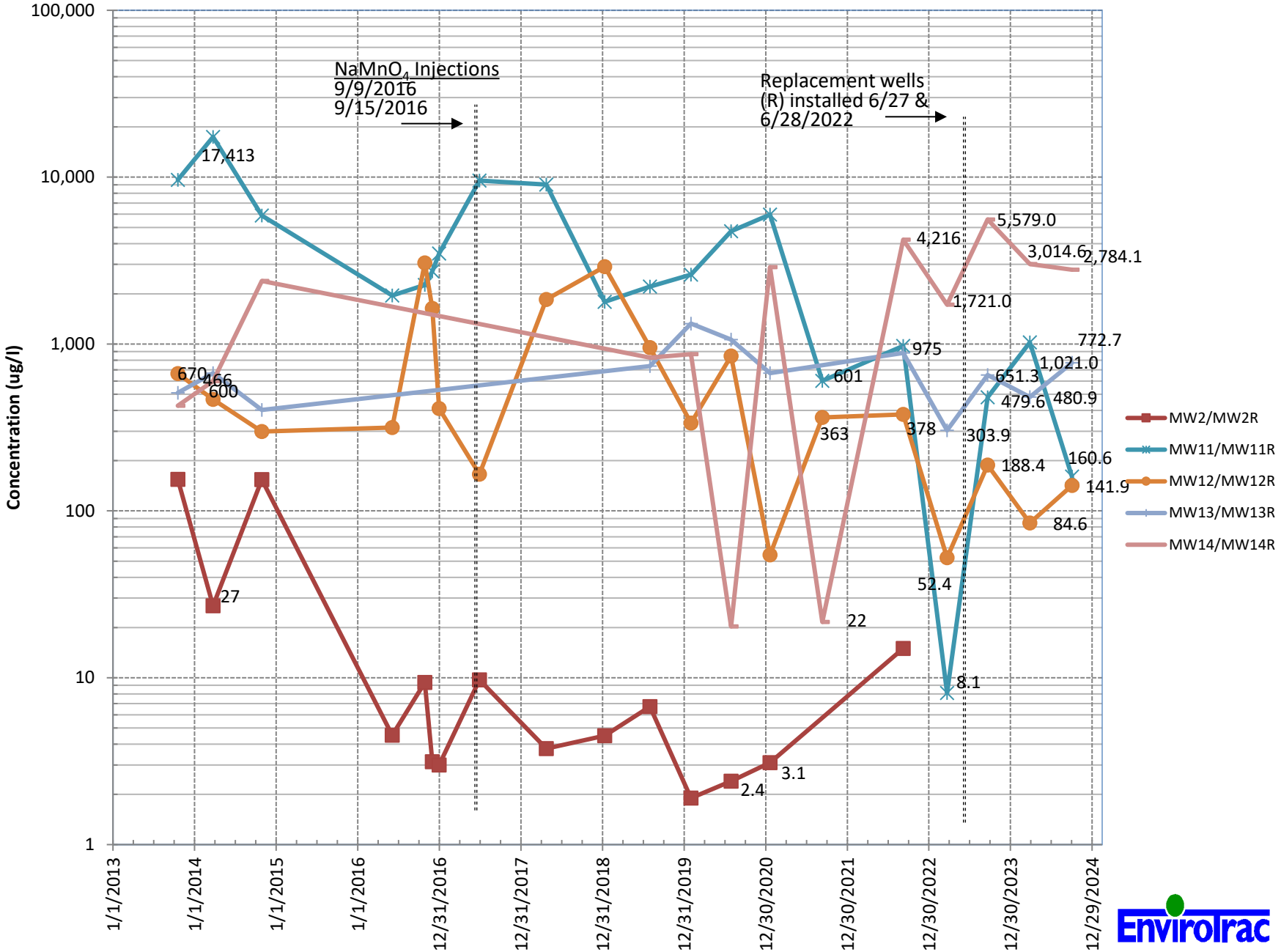
Figure 15 - Total CVOCs

Former Darby Drugs - OUII

BCP C130140A



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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 Deployment and Water Level 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 Retrieval and Water Level Gauging					Post Logger Retrieval 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	MW1R		MW2R		MW3		MW4		MW5	
MP ELEV	8.34		8.80		9.27		10.09		10.67	
Gauging Date	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	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	MW6		MW7		MW8		MW9		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	MW11R		MW12R		MW13R		MW14R	
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	MW1		MW2		MW3		MW4		MW5	
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	-	damaged		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	MW6		MW7		MW8		MW9		MW10	
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	MW11		MW12		MW13		MW14	
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	CNL		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

COMPOUND	NYSDEC 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	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	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:
(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).
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

CVOC	NYSDEC AWQS	MW1				MW1R				
		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

CVOC	NYSDEC AWQS	MW2																MW2R				
		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**		**1.2**	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2		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	Damaged	**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

CVOC	NYSDEC AWQS	MW3						
		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

CVOC	NYSDEC AWQS	MW4						
		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:
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.
< - not detected relative to the indicated laboratory reporting limit (RL).
Bold values indicate detections above the RL.
Result exceeds the AWQS/Guidance Value.
Replacement wells (MW-#Rs) 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

CVOC	NYSDEC AWQS	MW5 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

CVOC	NYSDEC AWQS	MW6 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

CVOC	NYSDEC AWQS	MW7 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

CVOC	NYSDEC AWQS	MW8 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:
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.
< - not detected relative to the indicated laboratory reporting limit (RL).
Bold values indicate detections above the RL.
Result exceeds the AWQS/Guidance Value.
Replacement wells (MW-#Rs) 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

	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	MW10	
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.
< - not detected relative to the indicated laboratory reporting limit (RL).
Bold values indicate detections above the RL.
Result exceeds the AWQS/Guidance Value.
Replacement wells (MW-#Rs) 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

	NYSDEC	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	MW13								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**	Could Not Locate	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		ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	< 5	< 2	<5	< 1		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	**50**	**38**	**45**	**120**	**230**	**247**	**135**		**247**	**184**	**278**	**173**	**443**
Dichlorodifluoromethane	5	ND	ND	ND	< 1	< 4	<10	< 1		ND	ND	ND	ND	ND
Tetrachloroethene	5	**430**	**600**	**330**	**500**	**881**	**649**	**433**		**502**	**198**	**237**	**194**	**146**
trans-1,2-Dichloroethene	5	ND	ND	ND	**0.74**	**1.2**	<5	**0.91**		**1.6**	**1.3**	**1.9**	**1.6**	**3**
Trichloroethene	5	**28**	**30**	**23**	**110**	**212**	**161**	**93.2**		**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	MW14								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.
ND - not detected.
< - not detected relative to the indicated laboratory reporting limit (RL).
Bold values indicate detections above the RL.
Result exceeds the AWQS/Guidance Value.
Replacement wells (MW-#Rs) 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 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 Ambient Water Quality Guidance Values (ng/L)	MW3	MW4	MW6	MW7	MW8	MW9	MW1R
Sample Date:		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:		N	N	N	N	N	N	N
Units:		ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Paramter		**Per- and Polyfluoroalkyl Substances (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 Ambient Water Quality Guidance Value (ug/L)	MW3	MW4	MW6	MW7	MW8	MW9	MW1R
Sample Date:		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:		N	N	N	N	N	N	N
Units:		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.

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

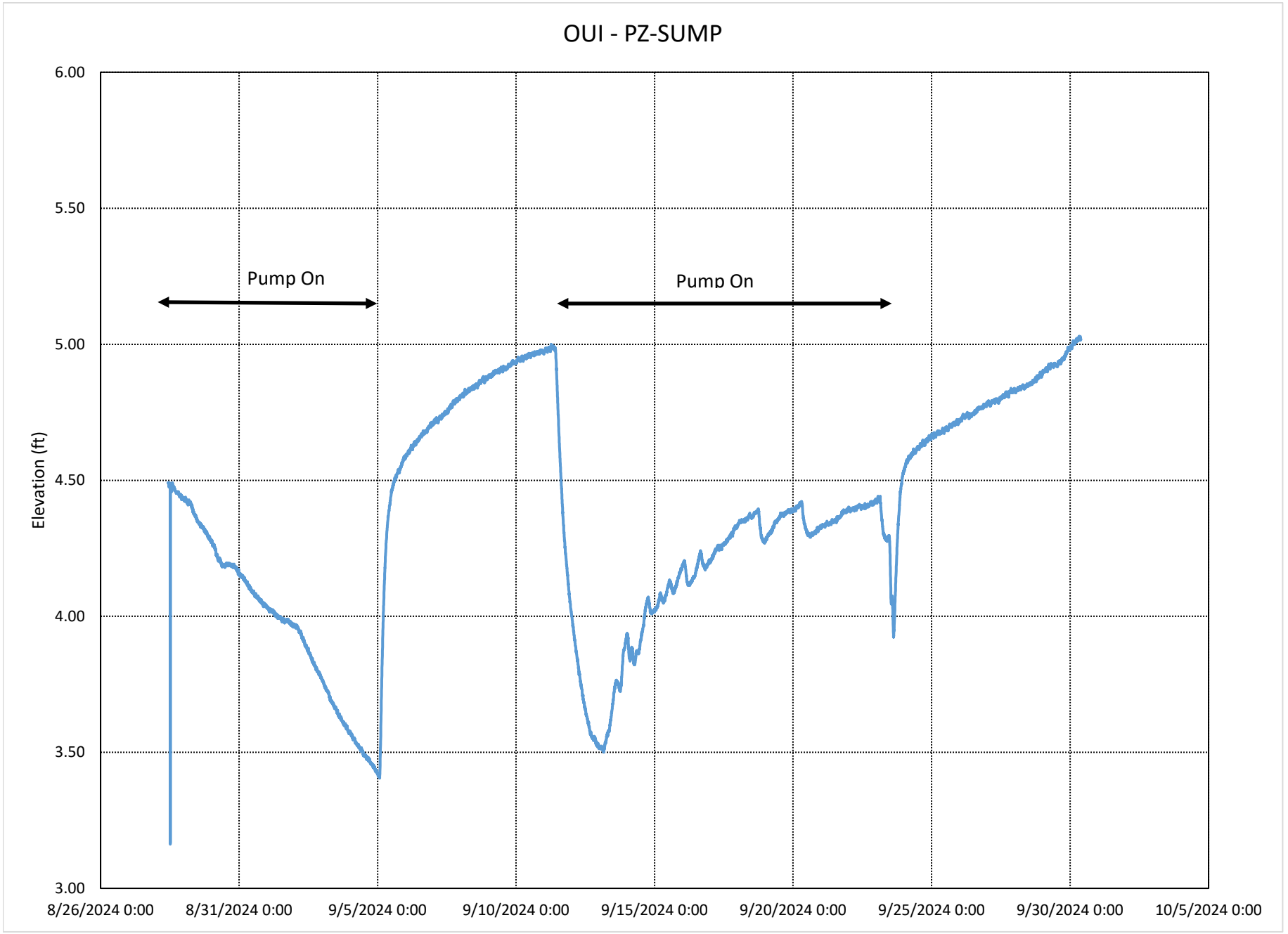
Sample ID:	NYSDEC Ambient Water Quality Guidance Values (ng/L)	MW2R	MW11R	MW12R	MW13R	MW14R	DUPLICATE	EQUIPMENT BLANK	FIELD BLANK
Sample Date:		10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024
Normal or Field Duplicate:		N	N	N	N	N	FD	FD	FD
Units:		ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Paramter		**Per- and Polyfluoroalkyl 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

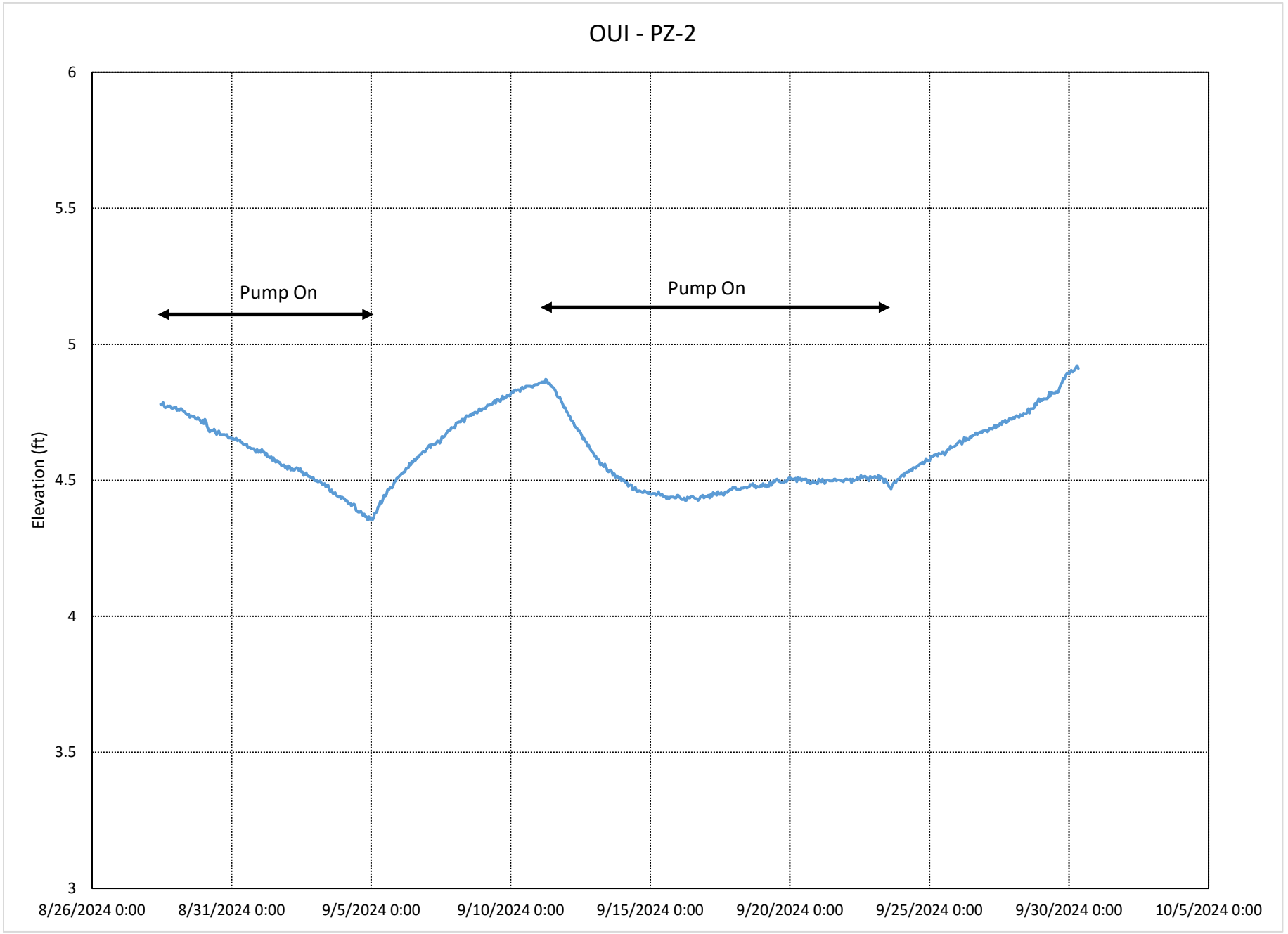
Sample ID:	NYSDEC Ambient Water Quality Guidance Value (ug/L)	MW2R	MW11R	MW12R	MW13R	MW14R	DUPLICATE	EQUIPMENT BLANK	FIELD BLANK
Sample Date:		10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024	10/24/2024
Normal or Field Duplicate:		N	N	N	N	N	FD	FD	FD
Units:		ug/L	ug/L	ug/L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

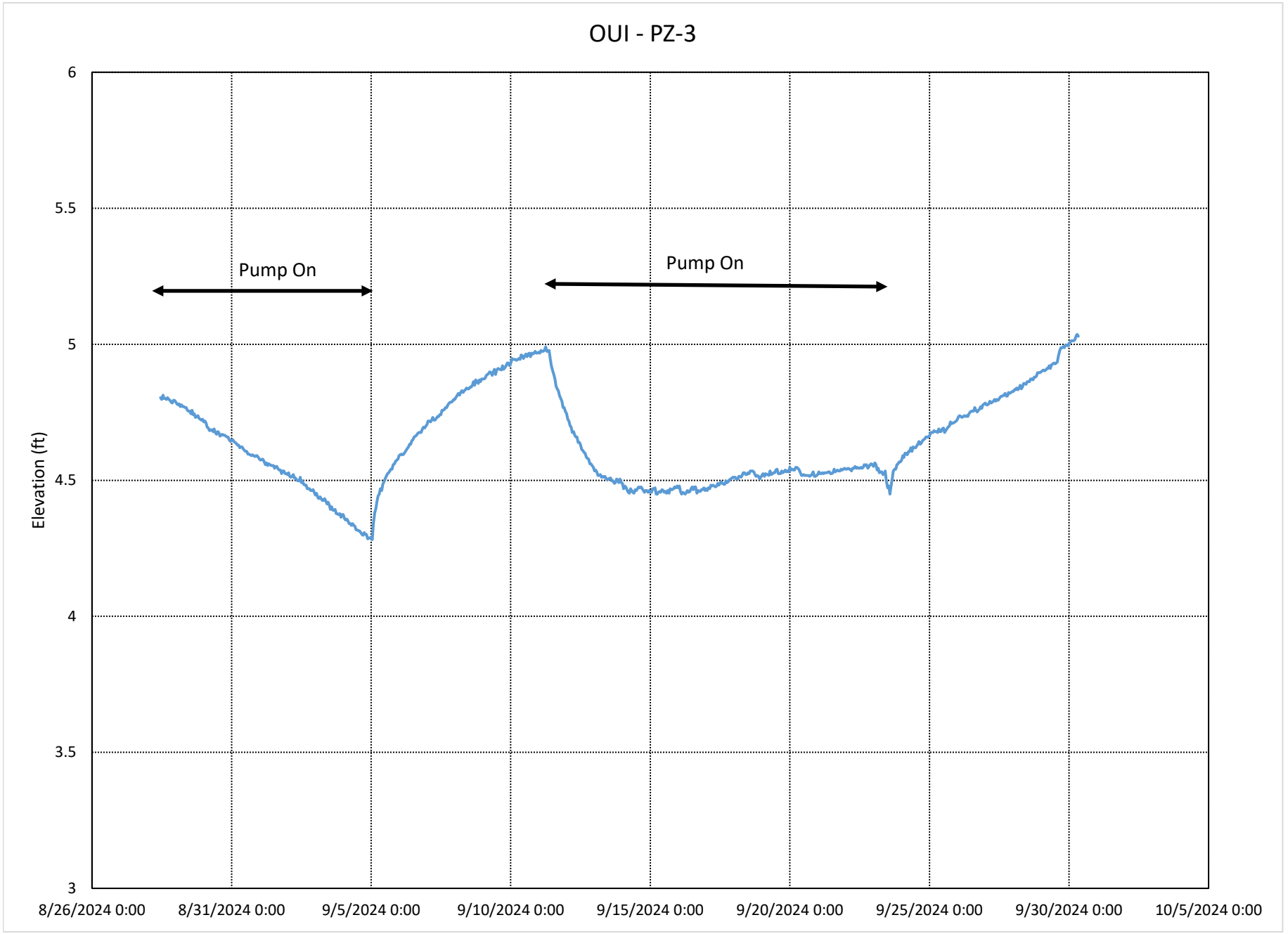
Notes:
ng/L = nanograms per liter
ug/L = micrograms per liter
NYSDEC = New York State Department of Environmental Conservation
ND - not detected.
Bold and shaded values indicate an exceedance of the NYSDEC Ambient Water
Replacement wells (MW-#Rs) were installed in June 2022.

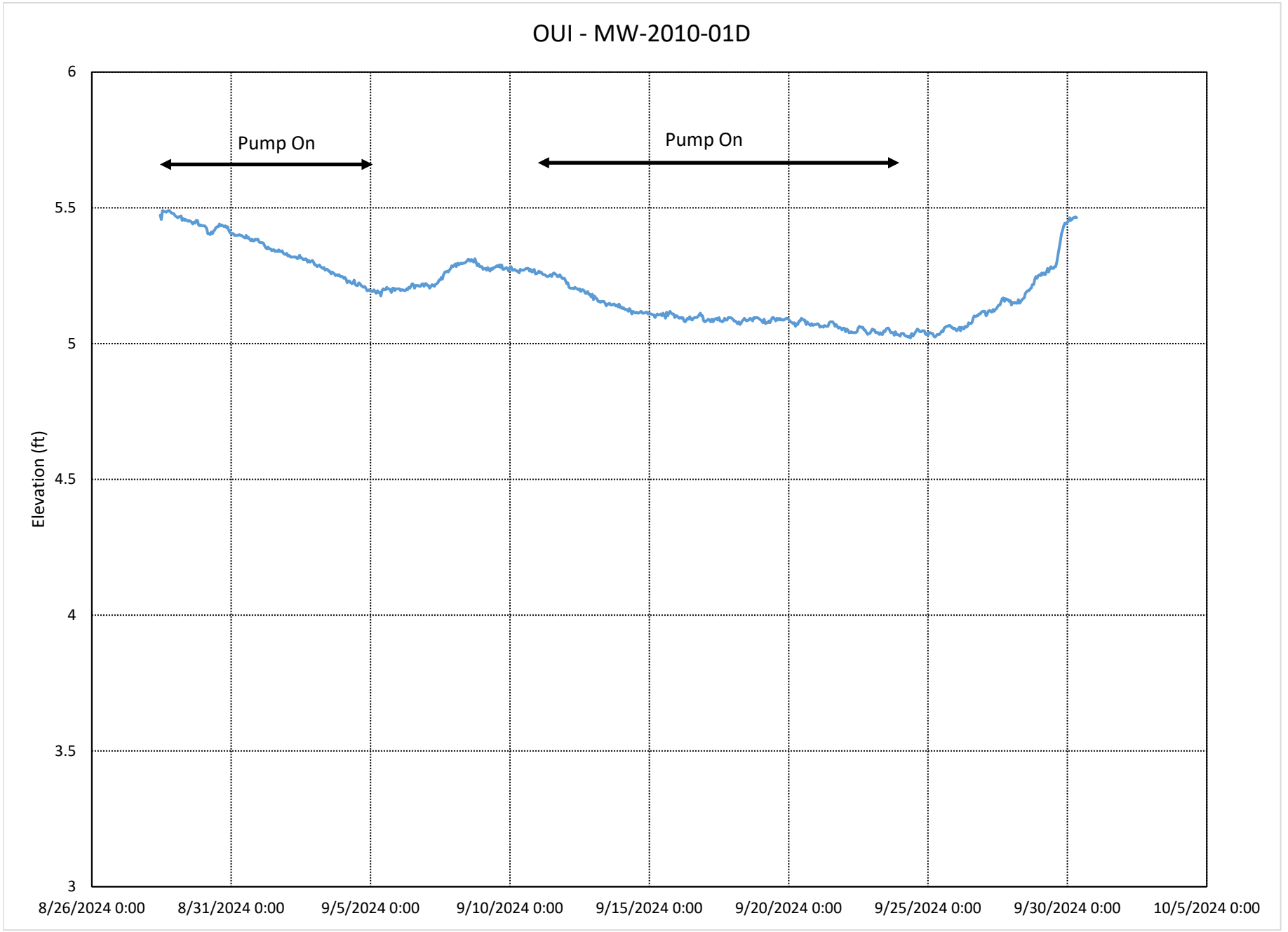
EnviroTrac

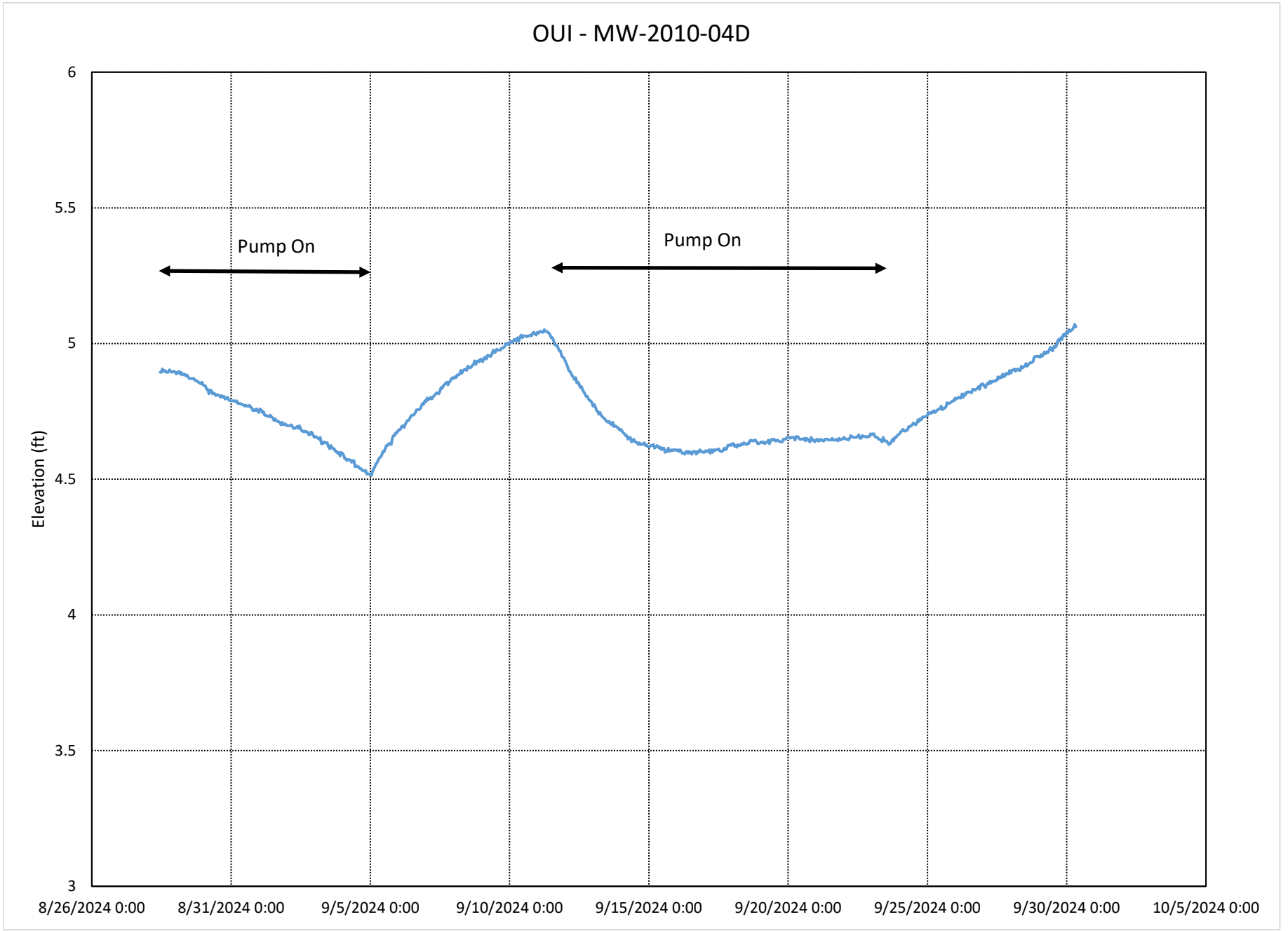
Attachment 1

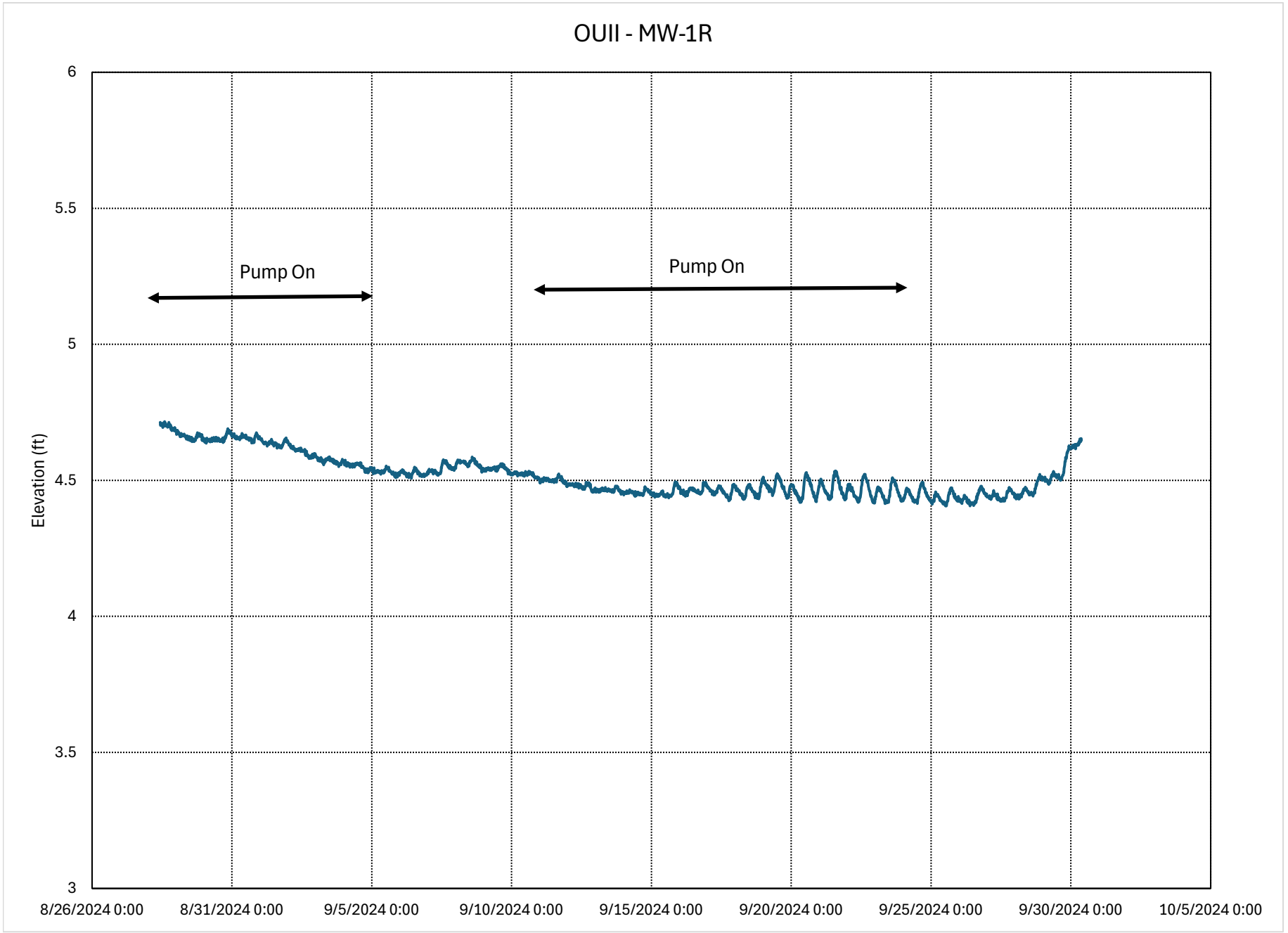

OUI - PZ-SUMP
Elevation (ft)
6.00
5.50
5.00
4.50
4.00
3.50
3.00
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

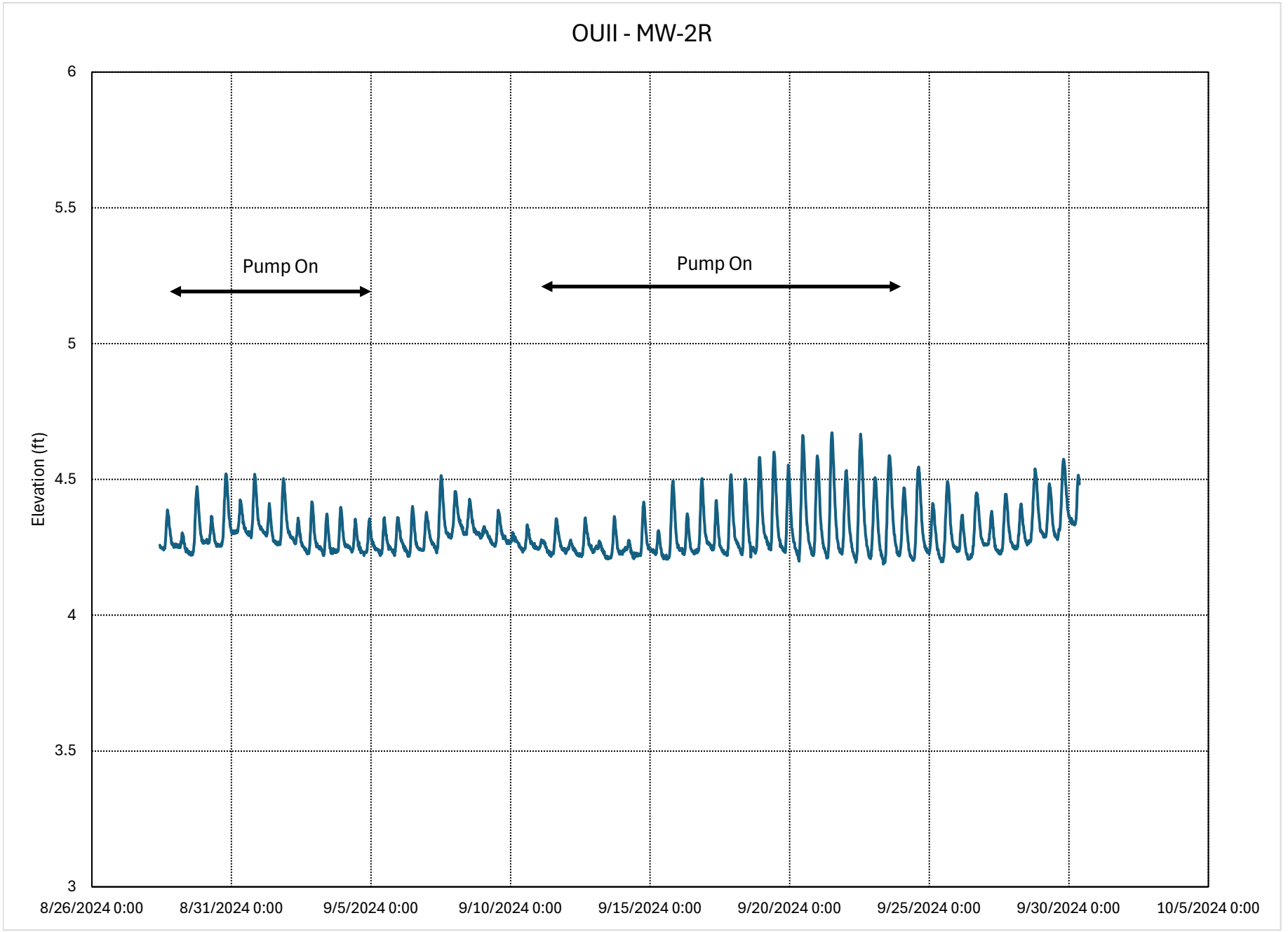

OUI - PZ-2
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

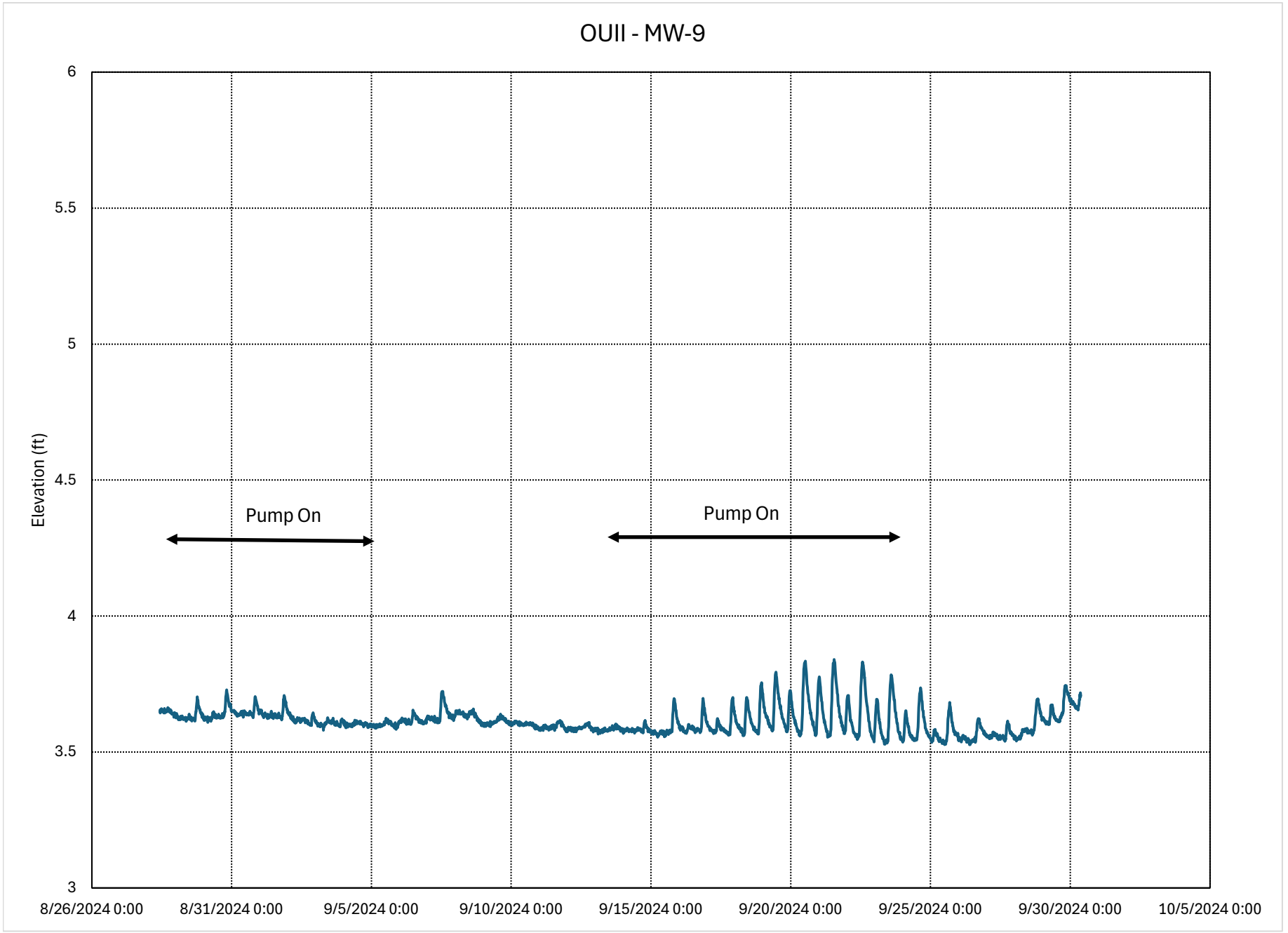

OUI - PZ-3
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

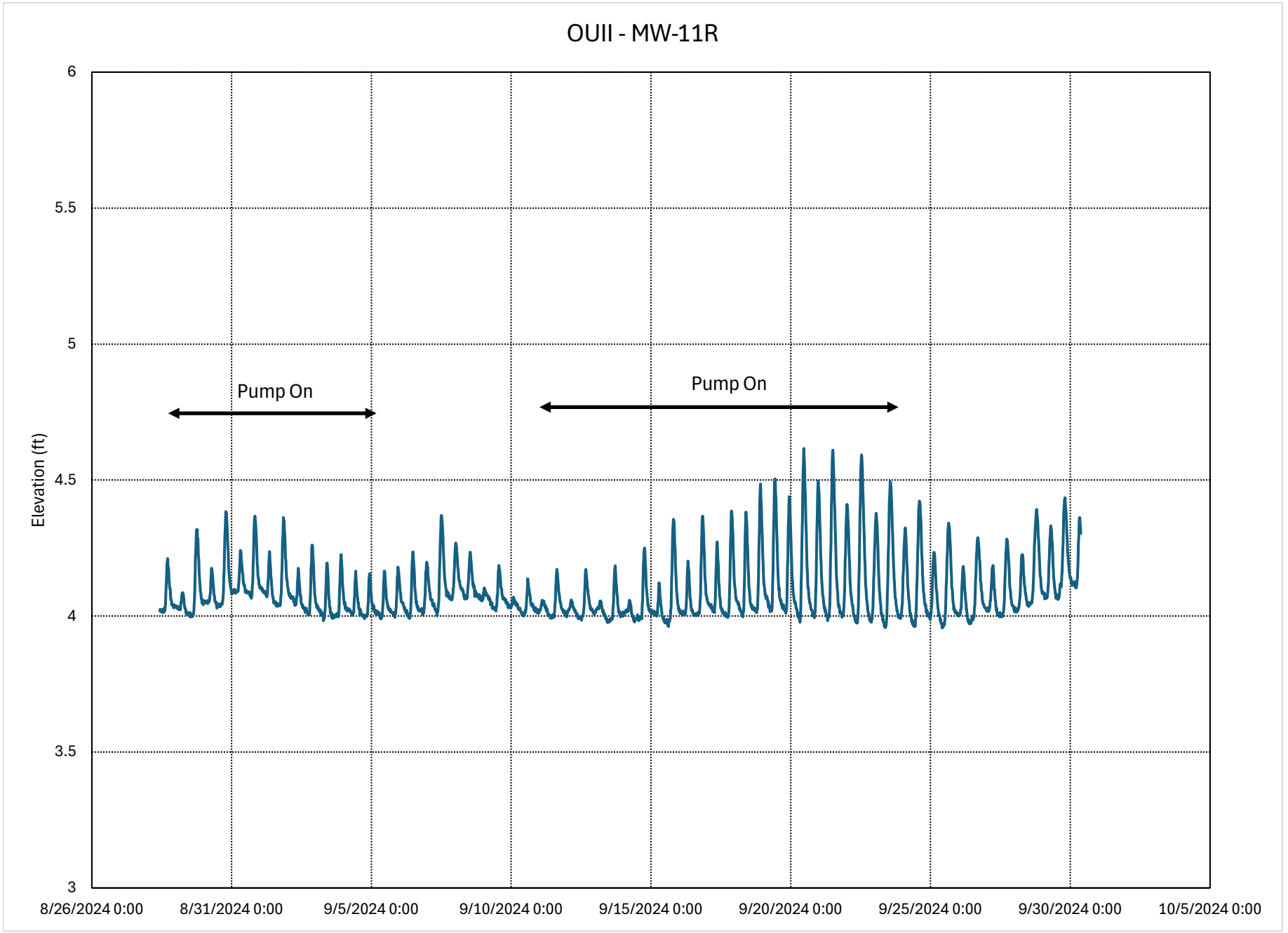

OUI - MW-2010-01D
Pump On
Pump On
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

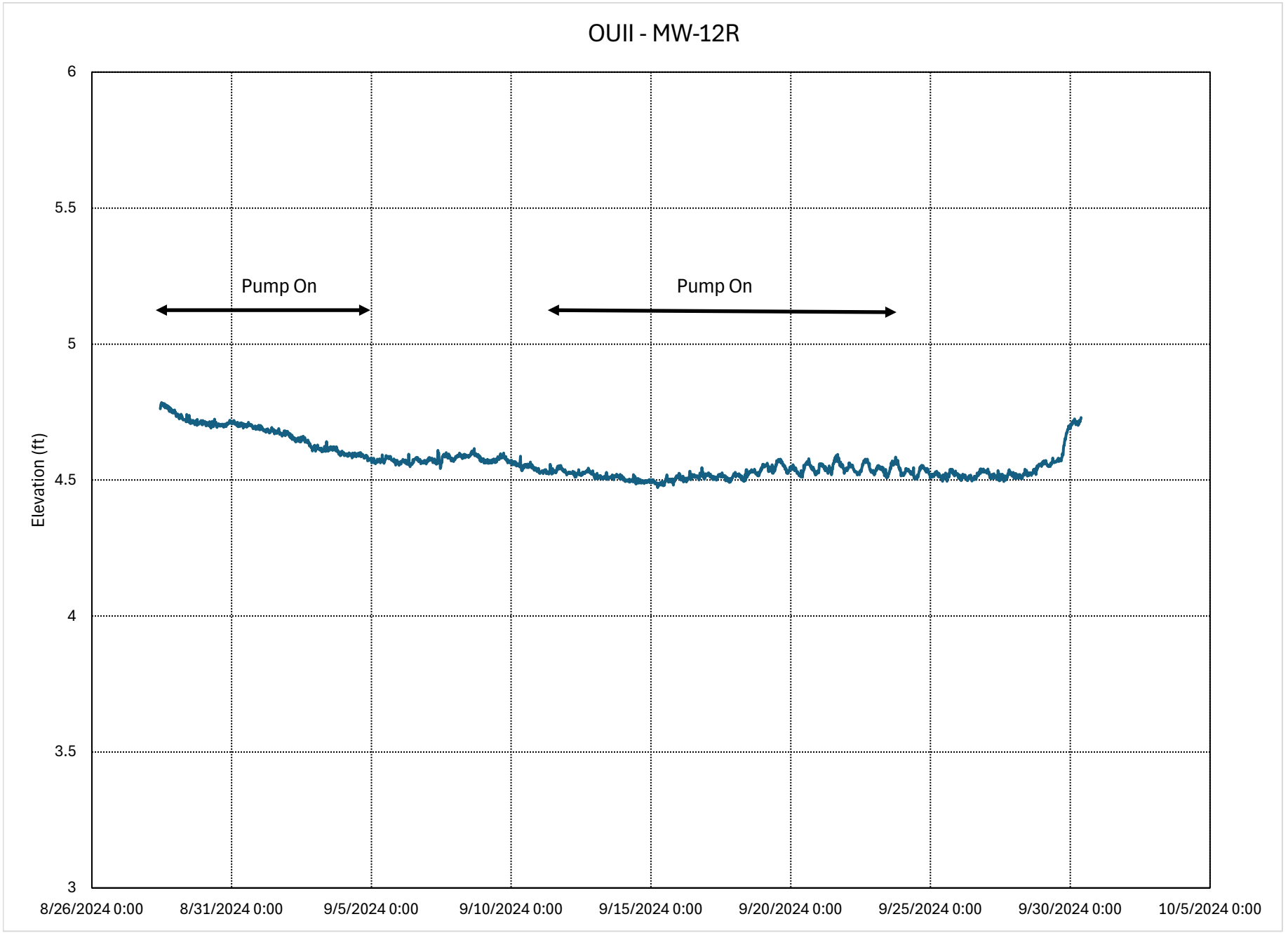

OUI - MW-2010-04D
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

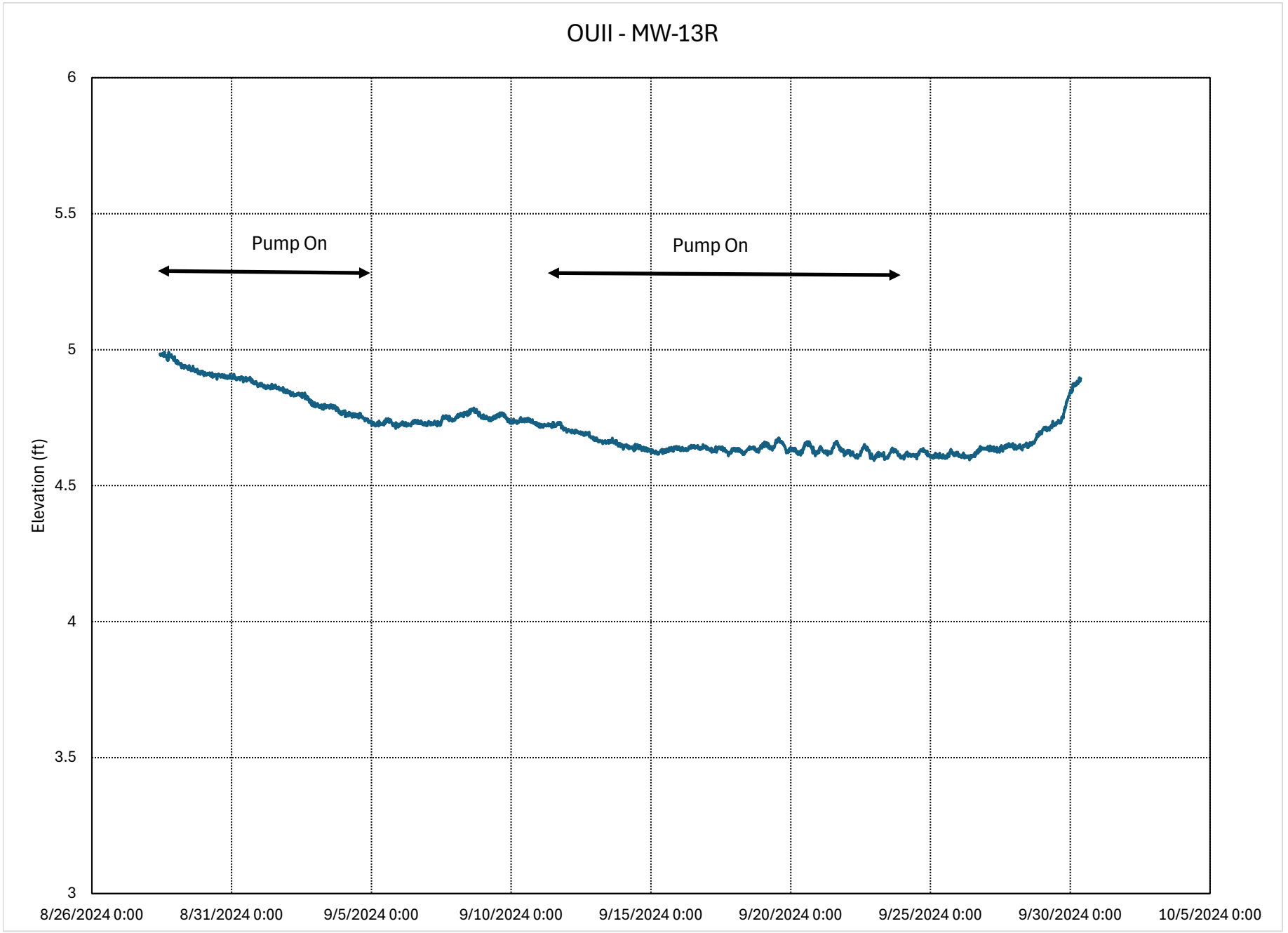

OUII - MW-1R
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00


OUII - MW-2R
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

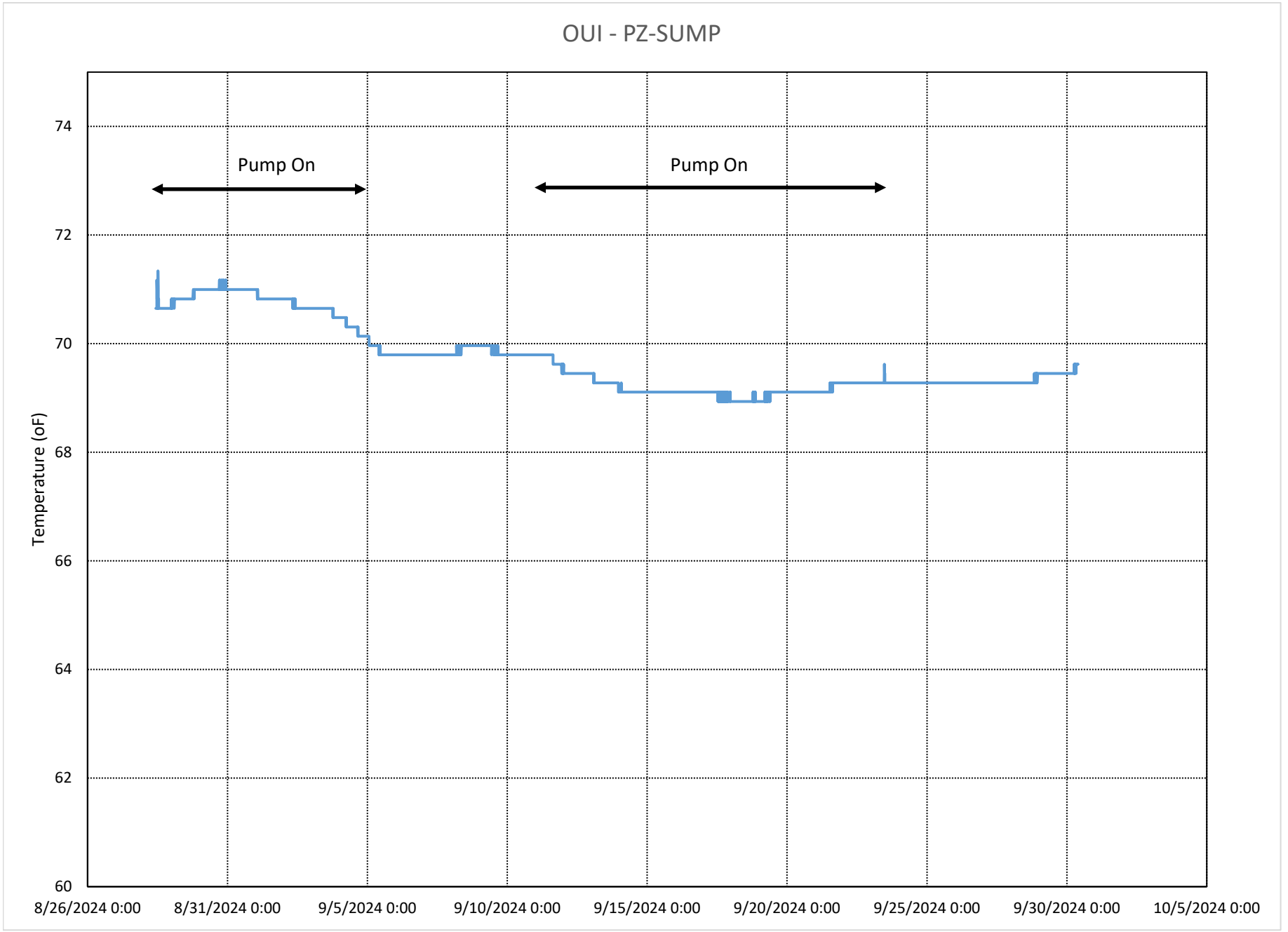

OUII - MW-9
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

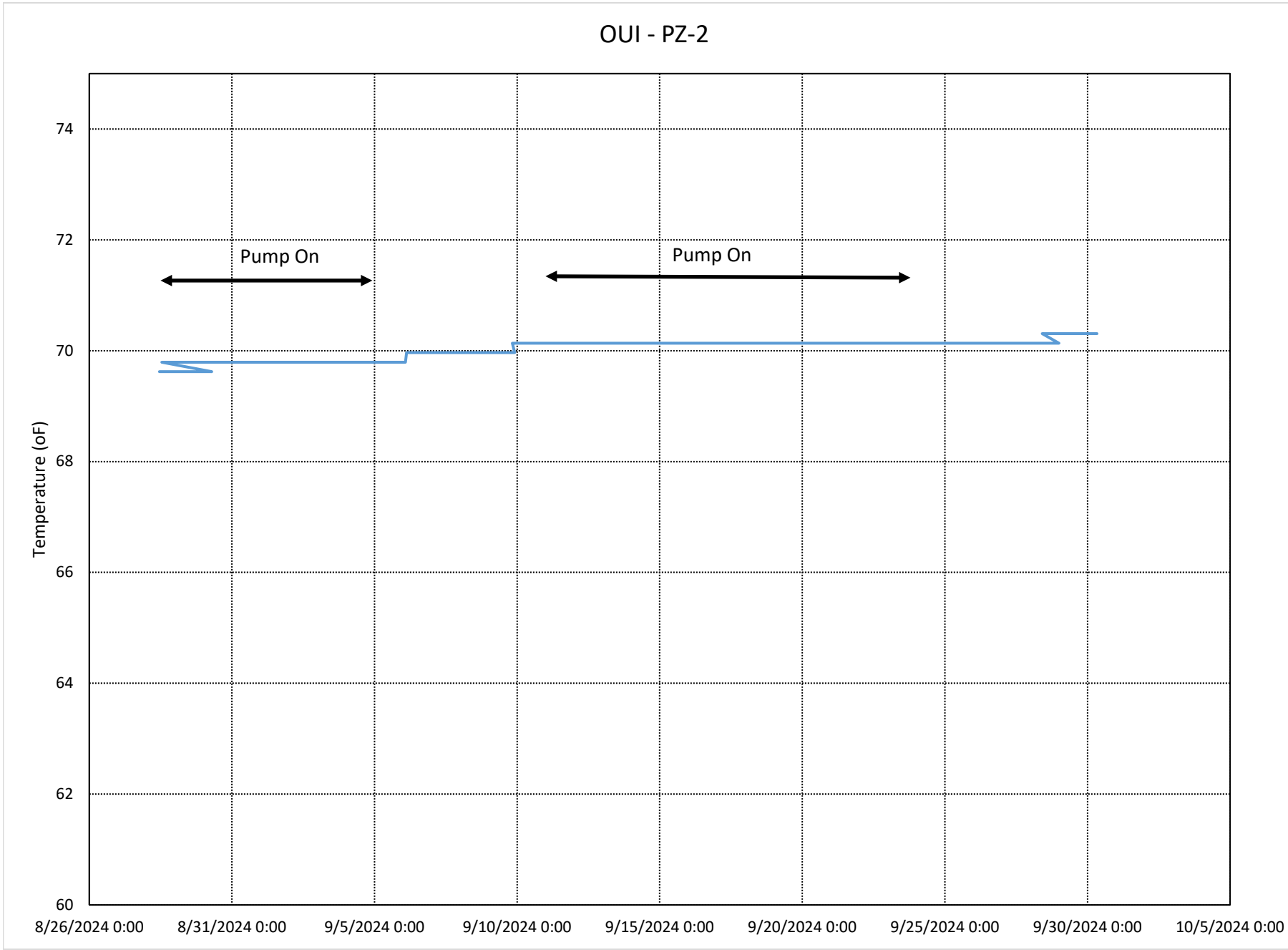

OUII - MW-11R
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

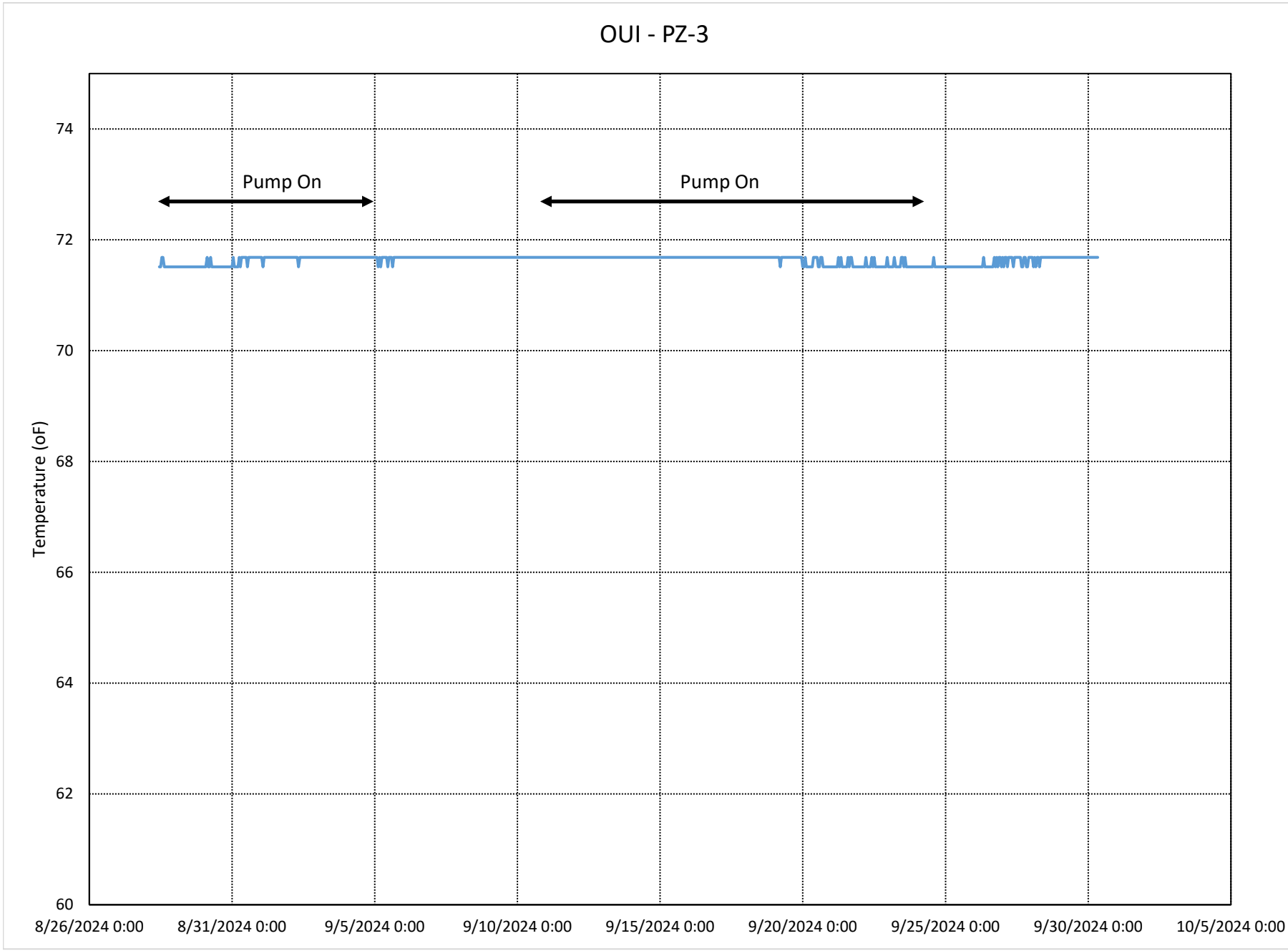

OUII - MW-12R
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

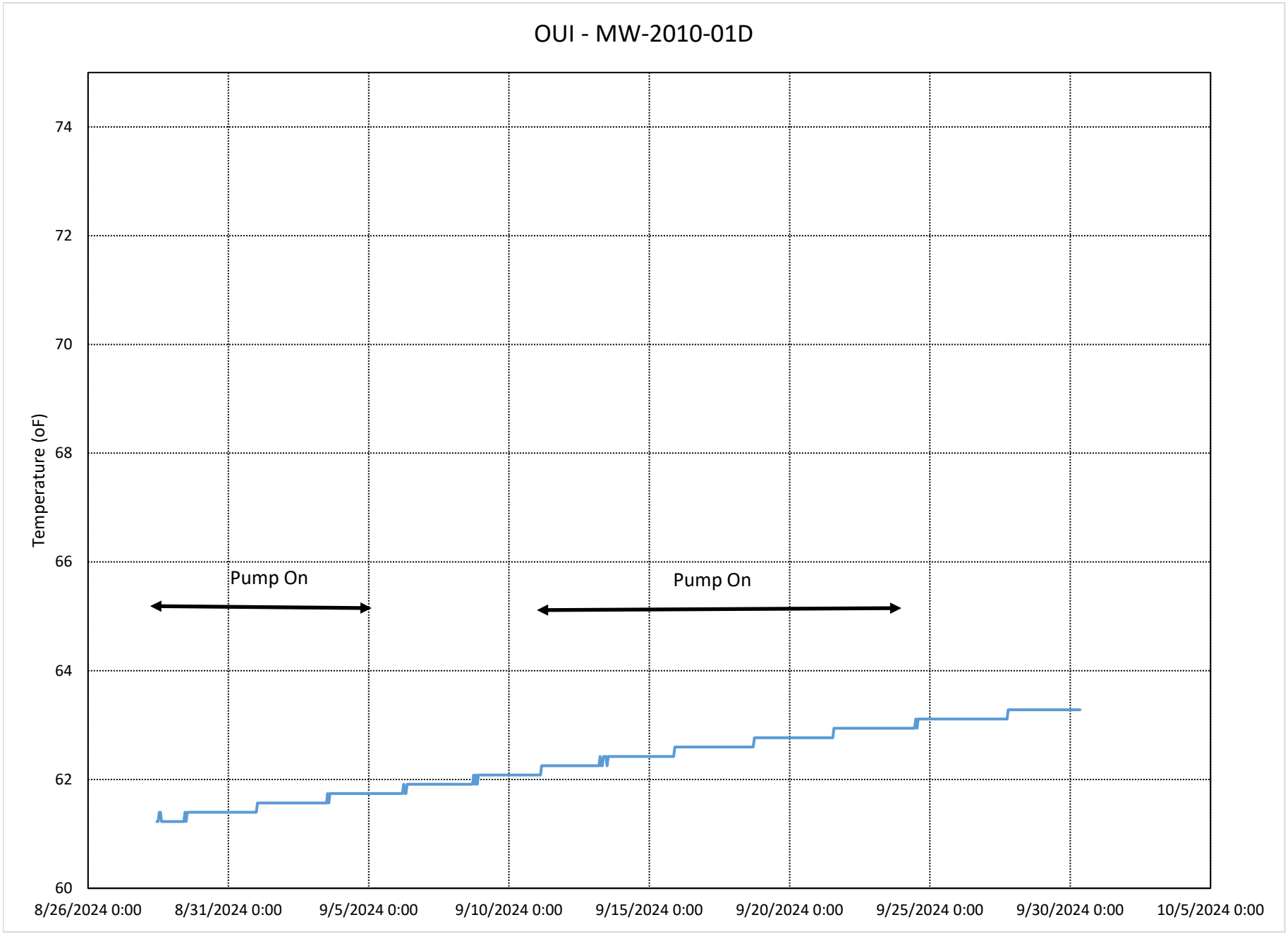

OUII - MW-13R
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

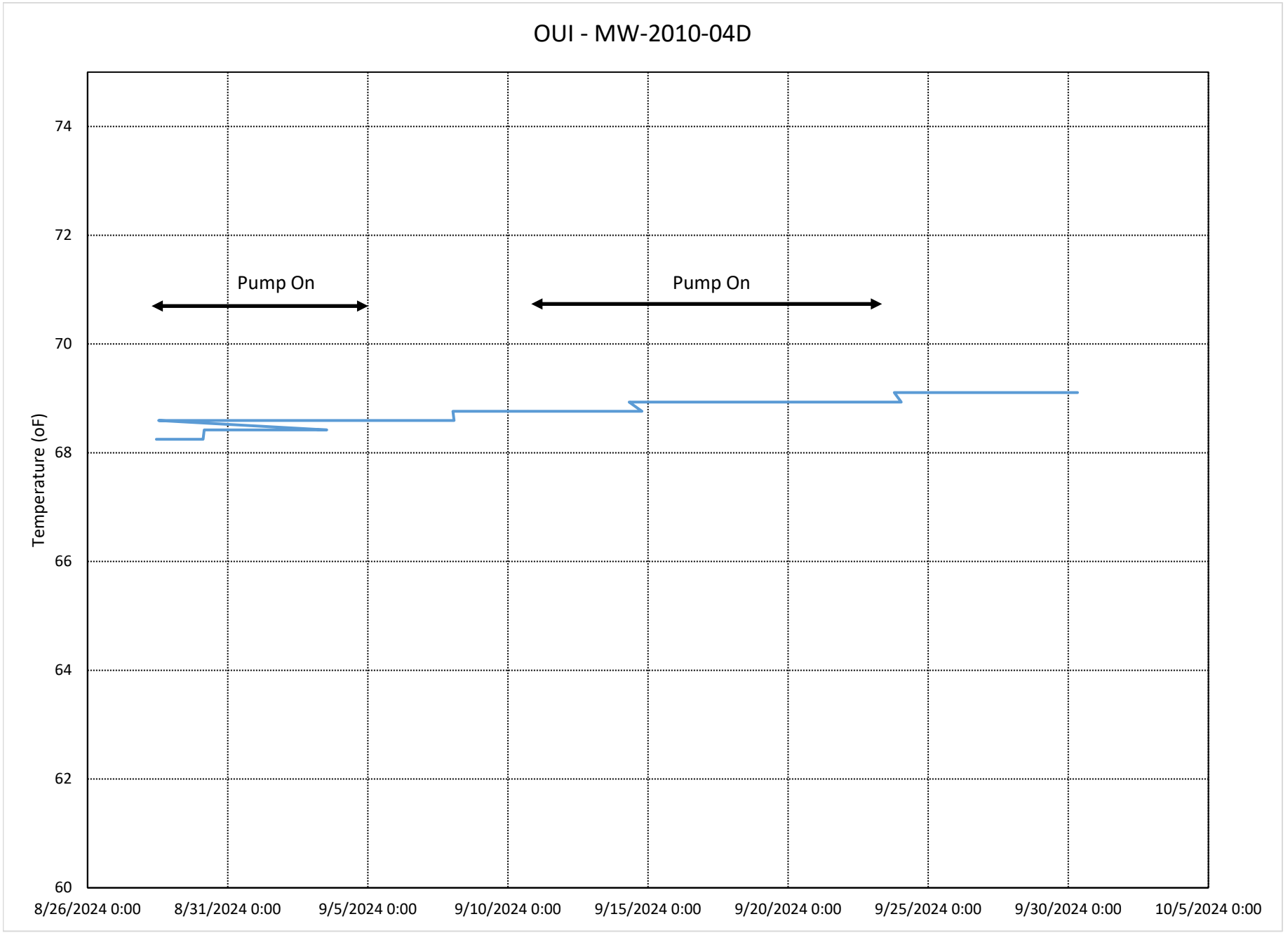
Attachment 2

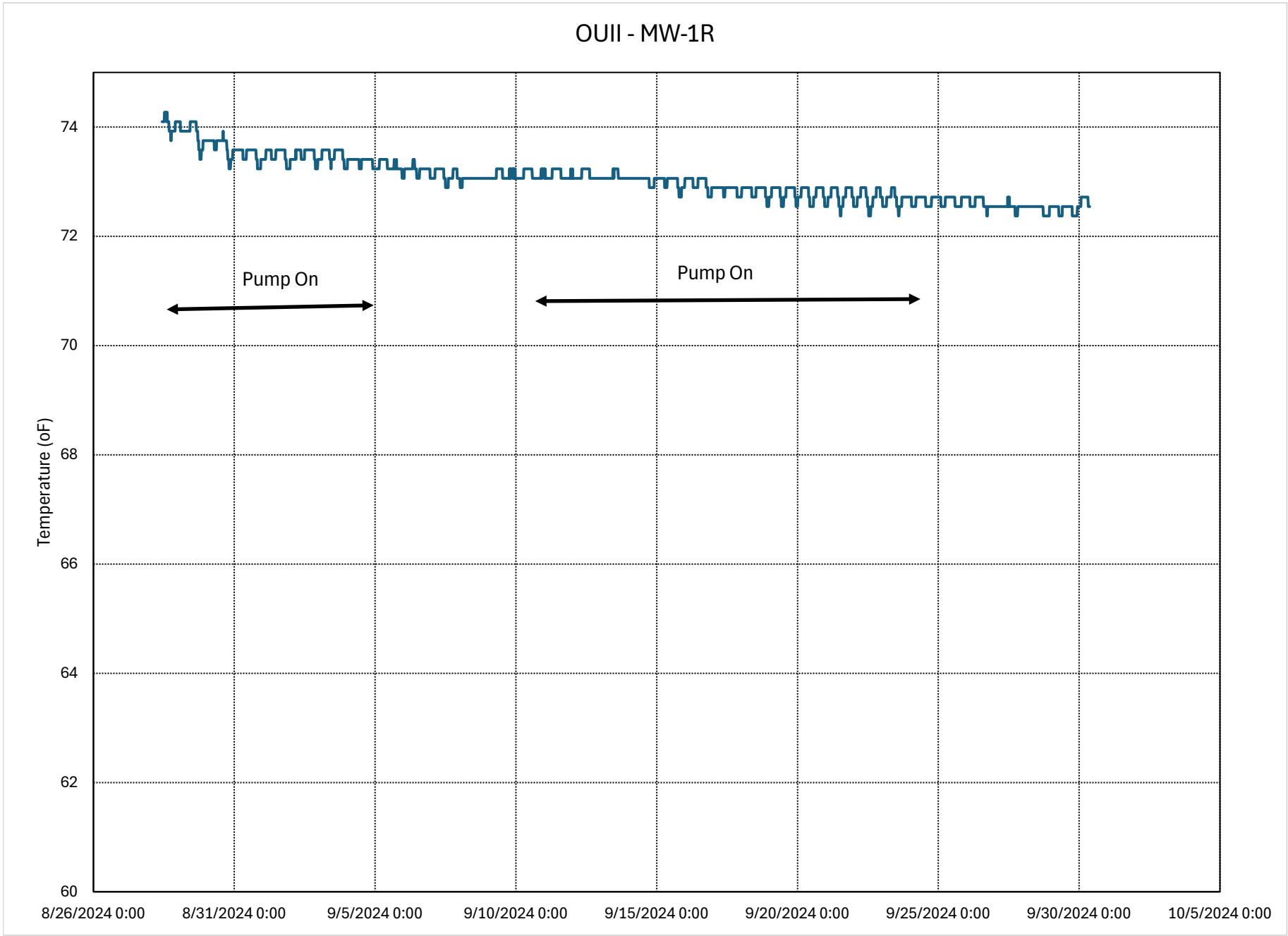

OUI - PZ-SUMP
Pump On
Pump On
Temperature (oF)
74
72
70
68
66
64
62
60
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

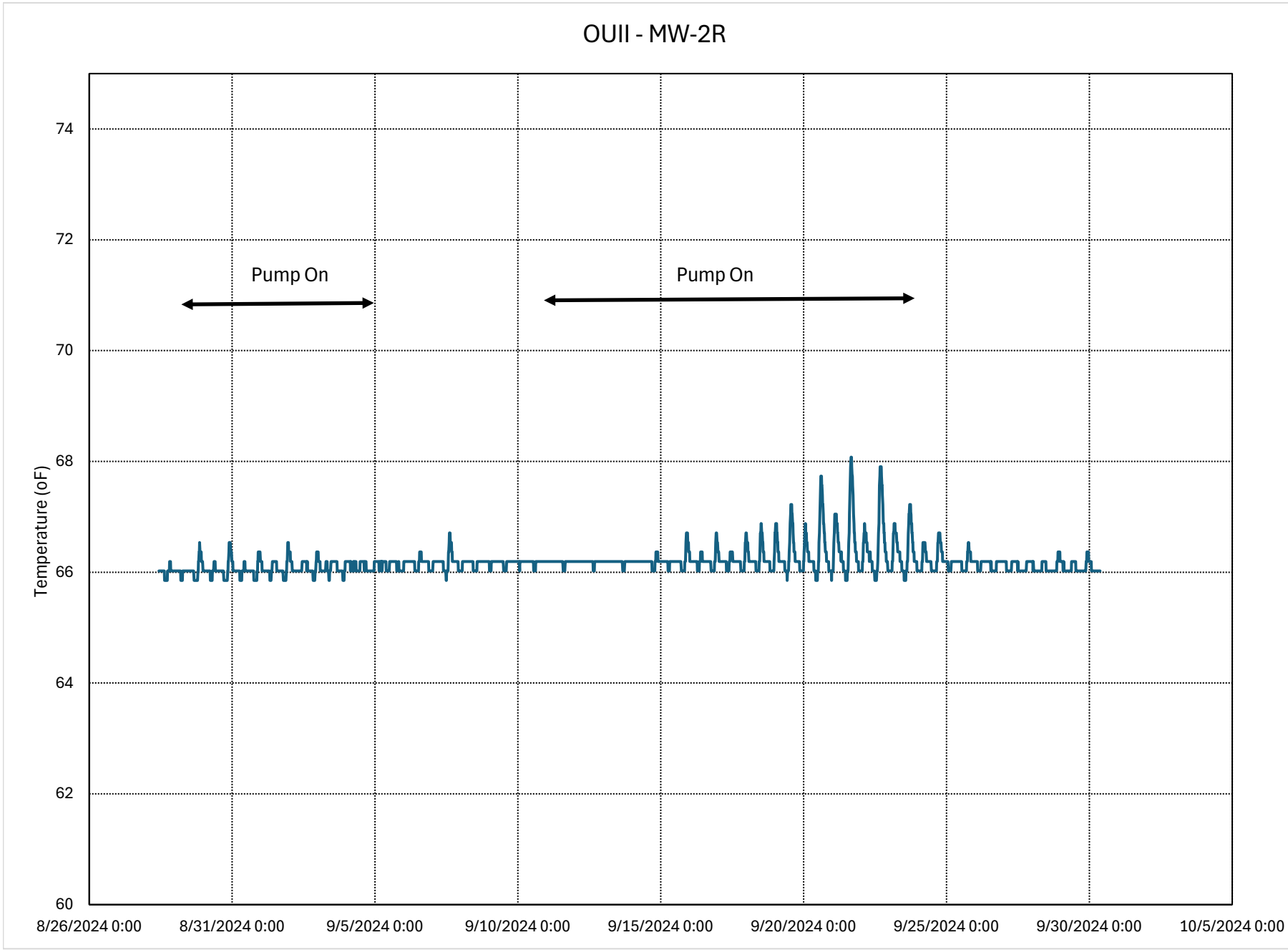

OUI - PZ-2
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

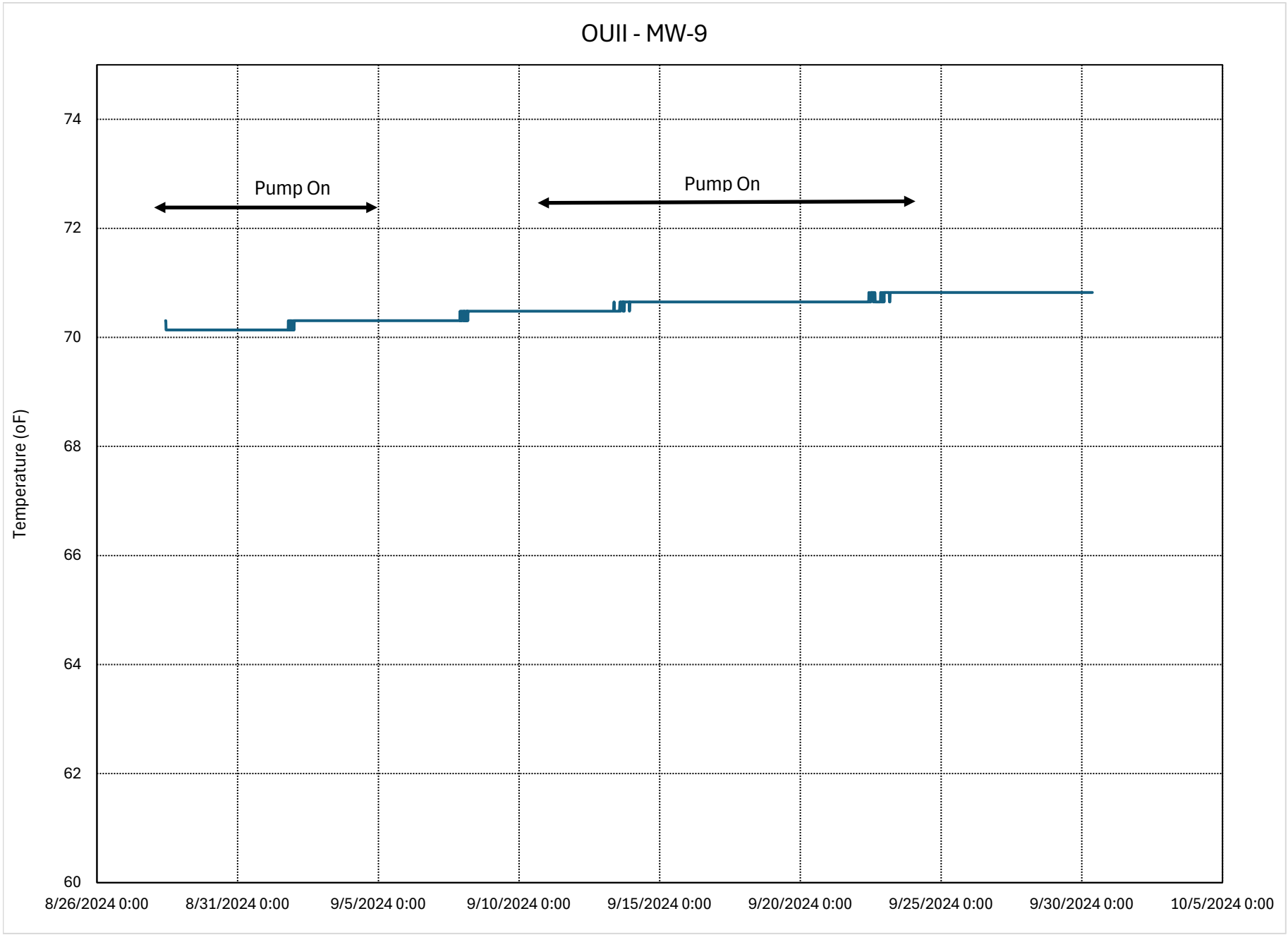

OUI - PZ-3
Pump On
Pump On
Temperature (oF)
74
72
70
68
66
64
62
60
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

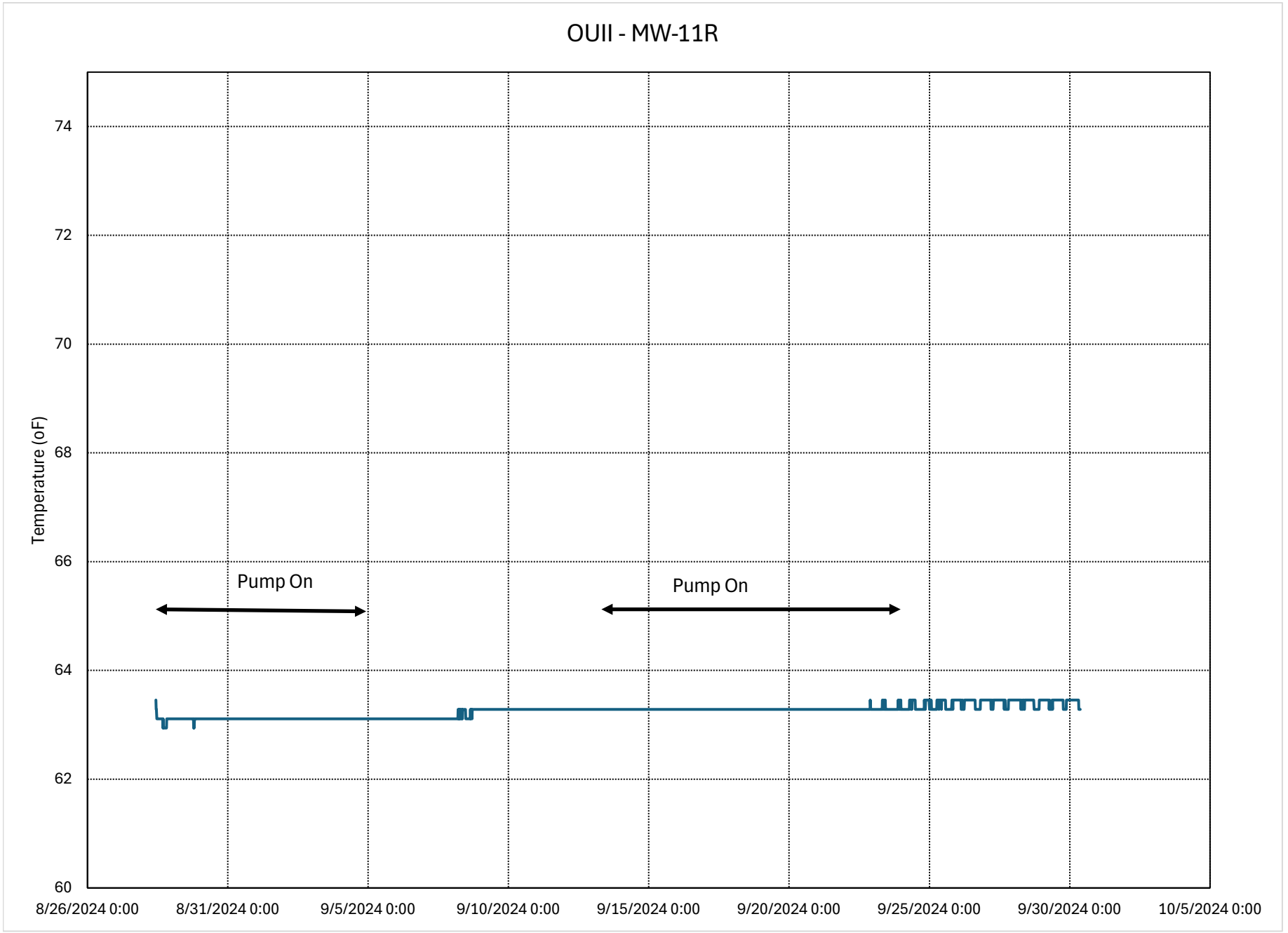

OUI - MW-2010-01D
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

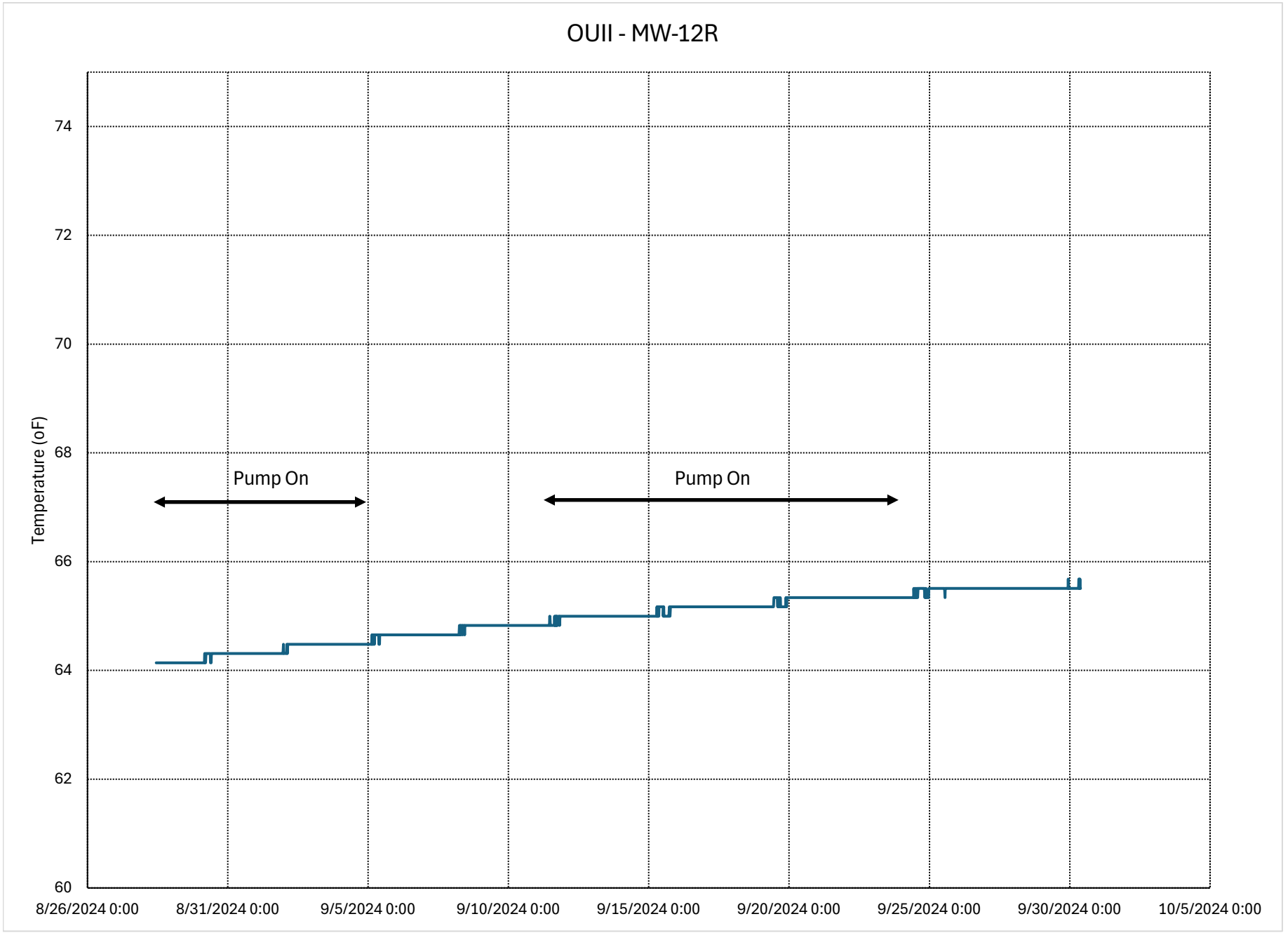

OUI - MW-2010-04D
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

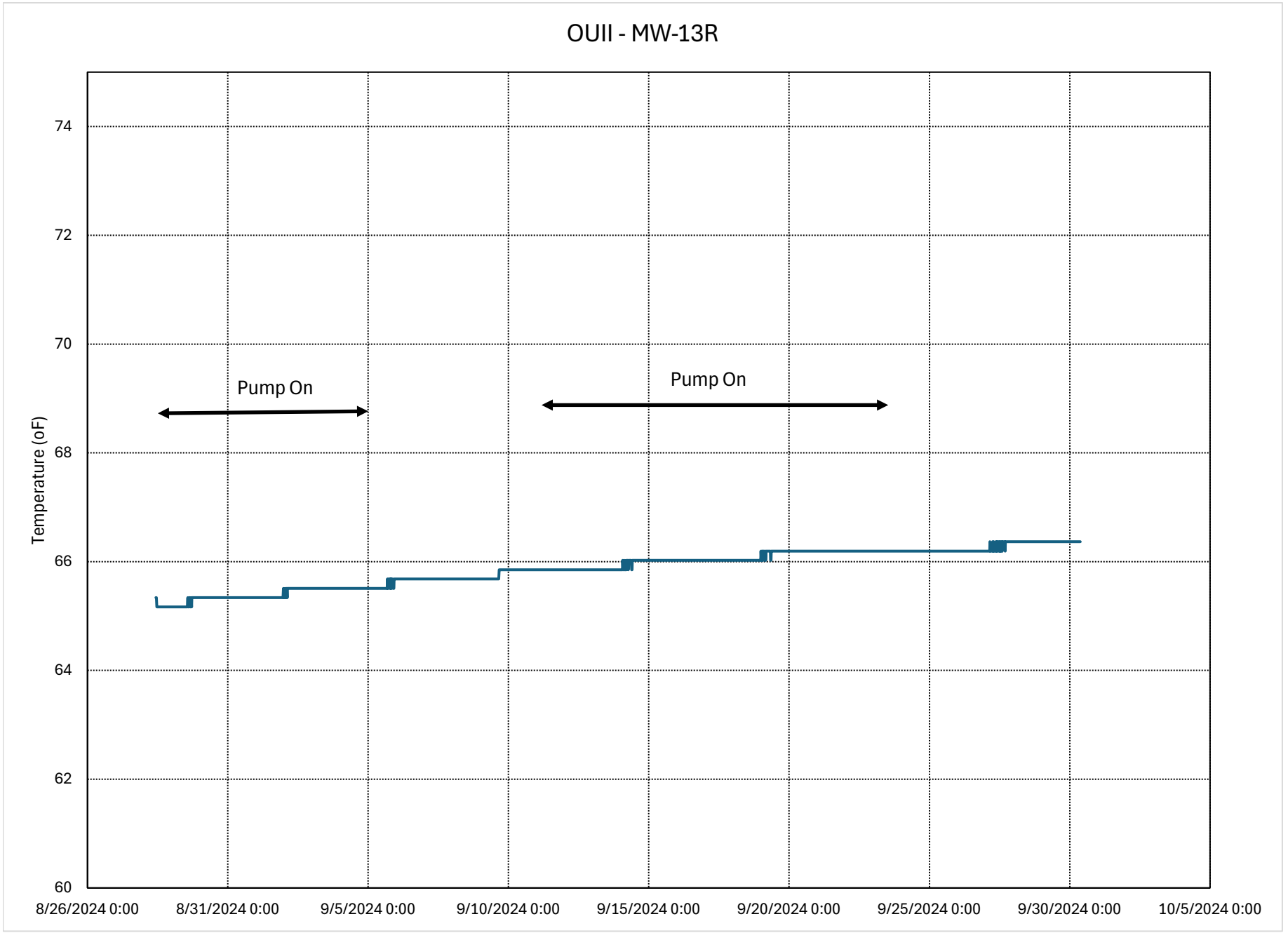

OUII - MW-1R
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

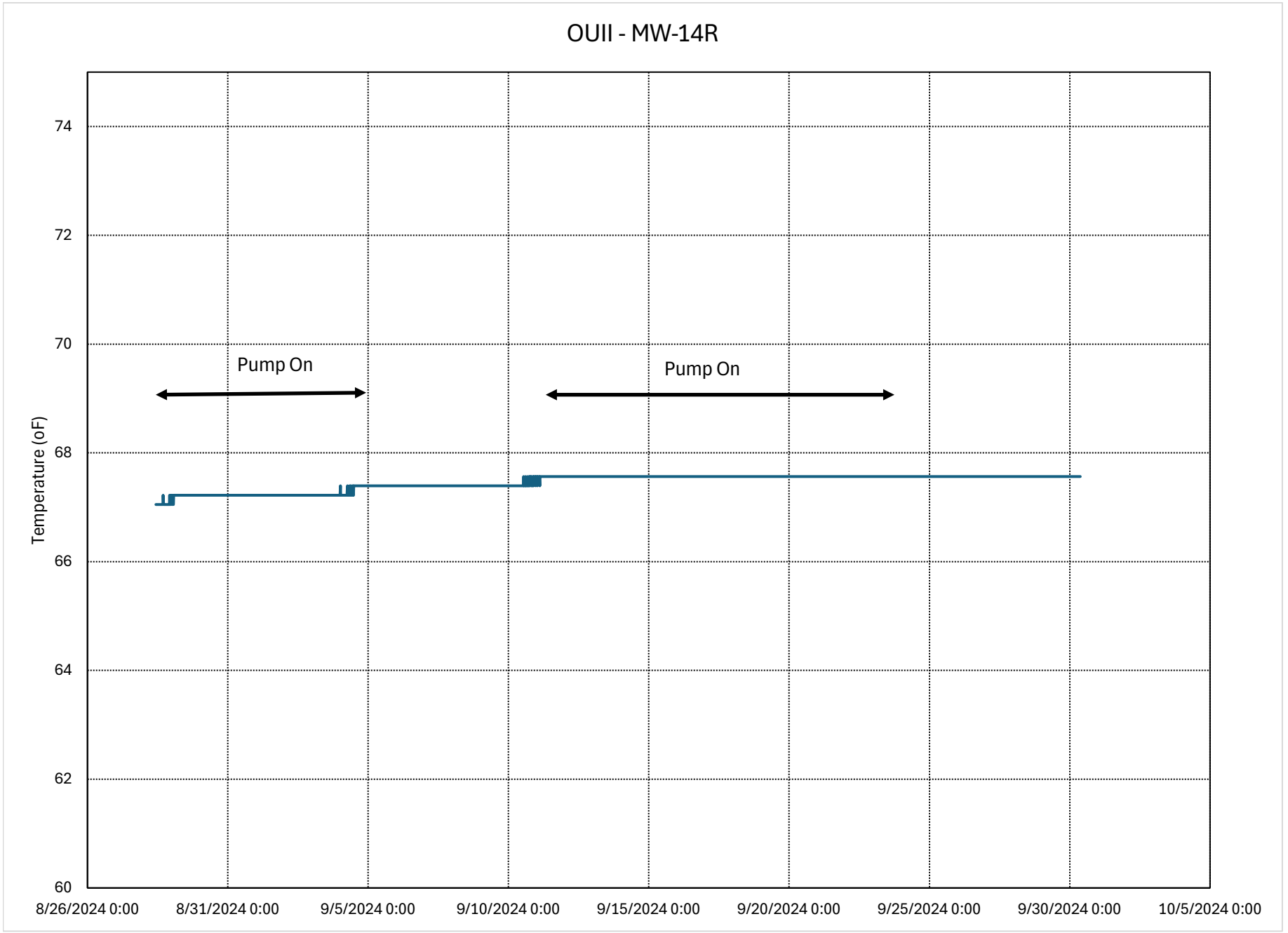

OUII - MW-2R
Pump On
Pump On
Temperature (oF)
74
72
70
68
66
64
62
60
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

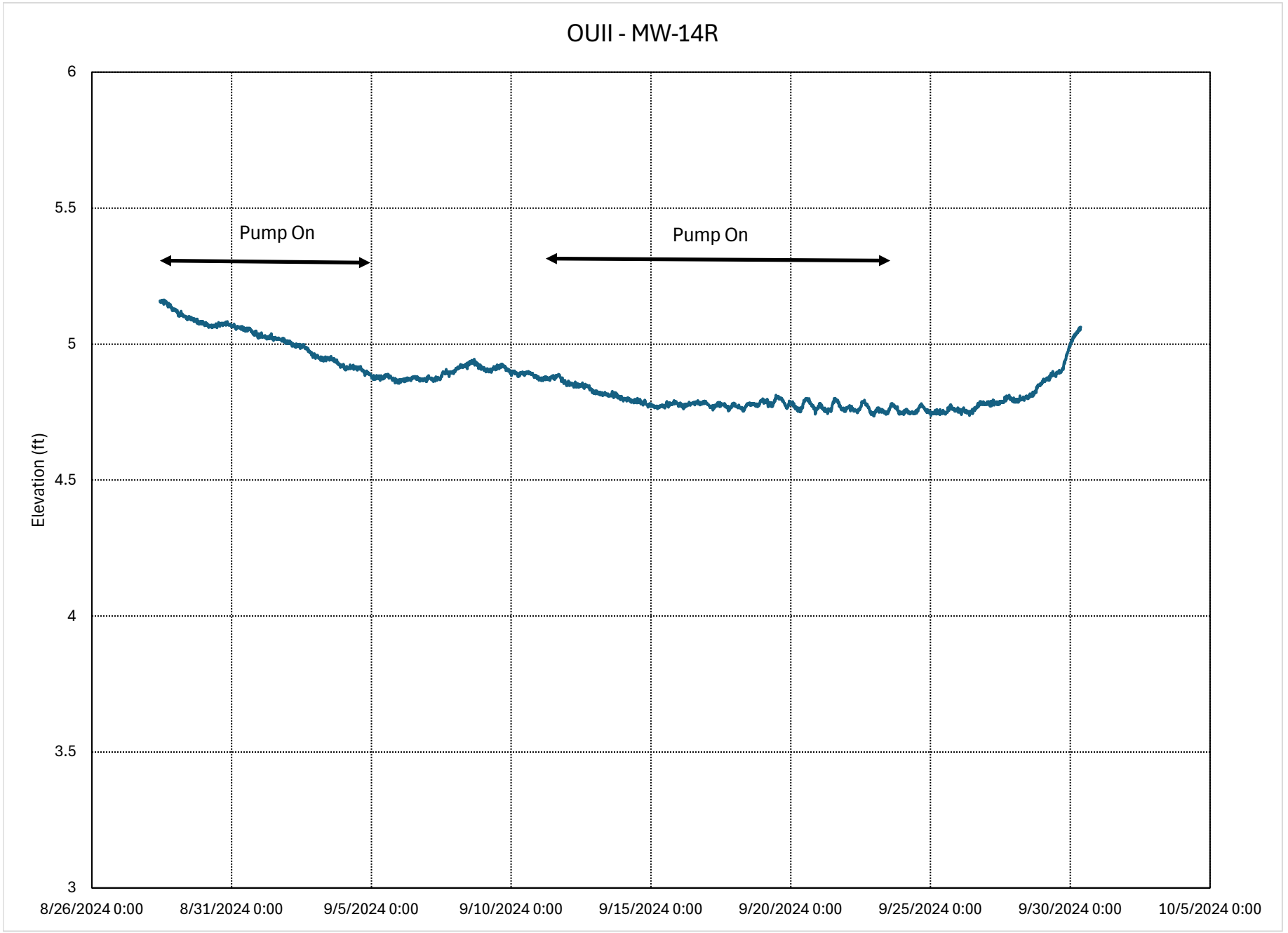

OUII - MW-9
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00


OUII - MW-11R
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00


OUII - MW-12R
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

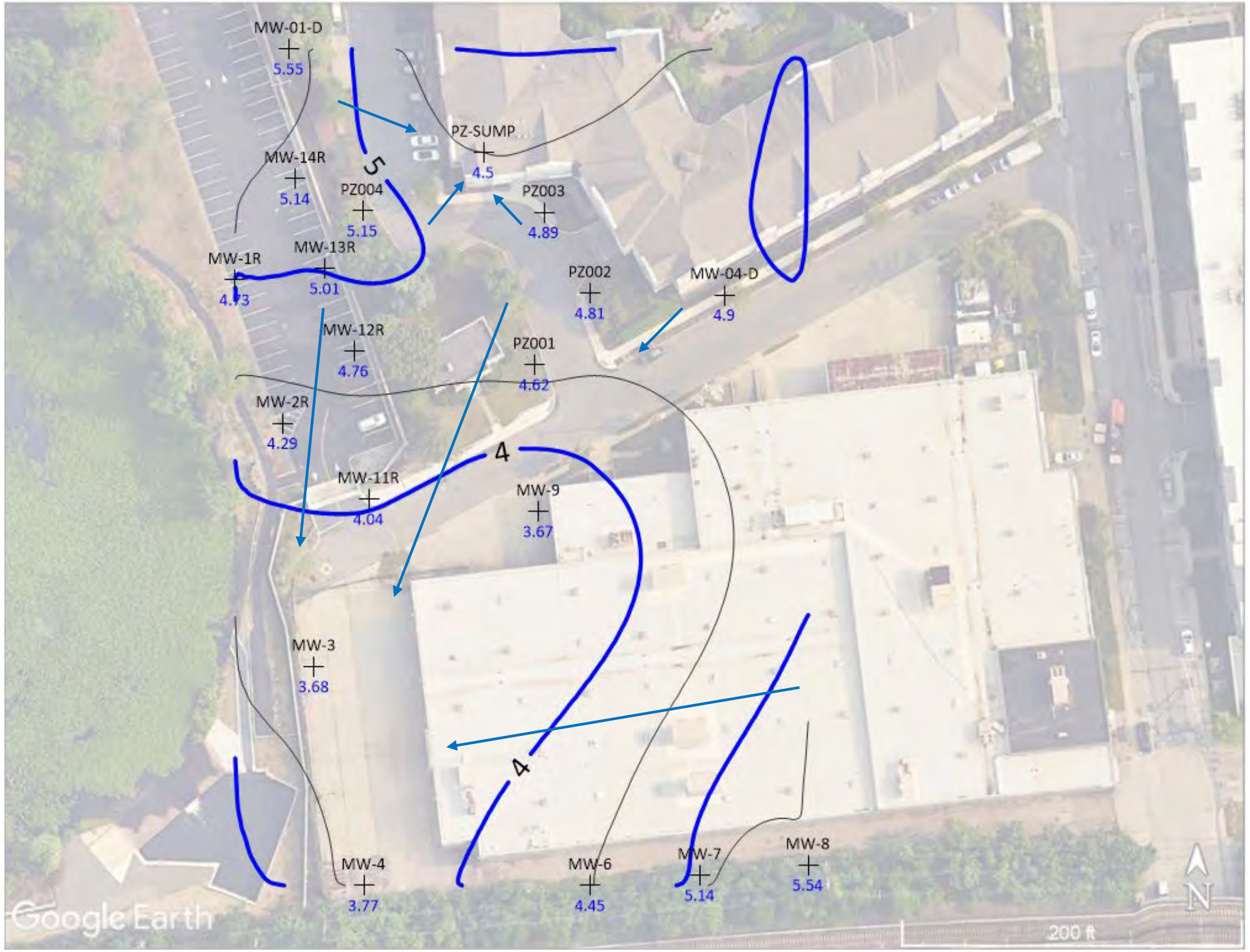

OUII - MW-13R
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00


OUII - MW-14R
Temperature (oF)
74
72
70
68
66
64
62
60
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

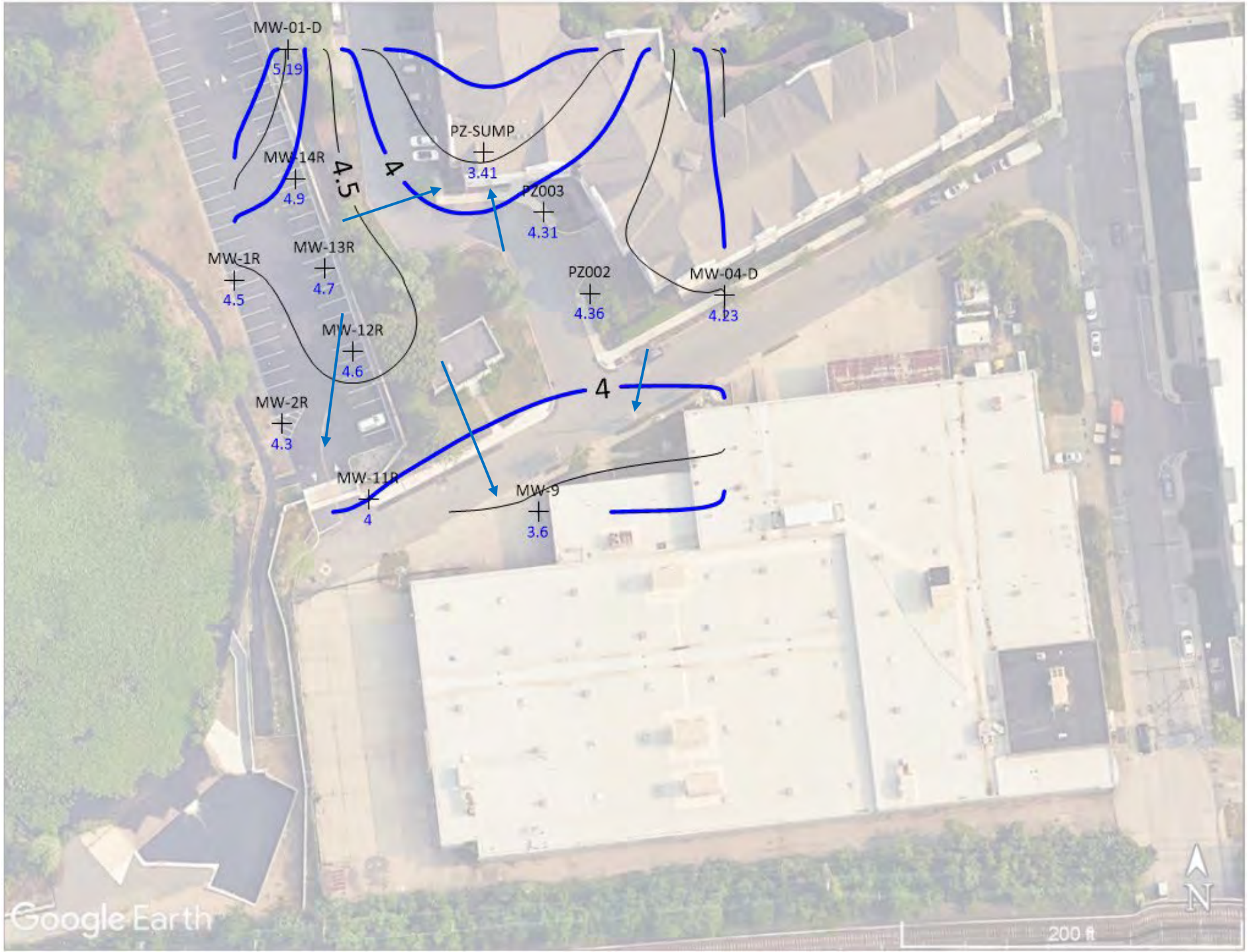

OUII - MW-14R
Elevation (ft)
6
5.5
5
4.5
4
3.5
3
Pump On
Pump On
8/26/2024 0:00
8/31/2024 0:00
9/5/2024 0:00
9/10/2024 0:00
9/15/2024 0:00
9/20/2024 0:00
9/25/2024 0:00
9/30/2024 0:00
10/5/2024 0:00

Attachment 3

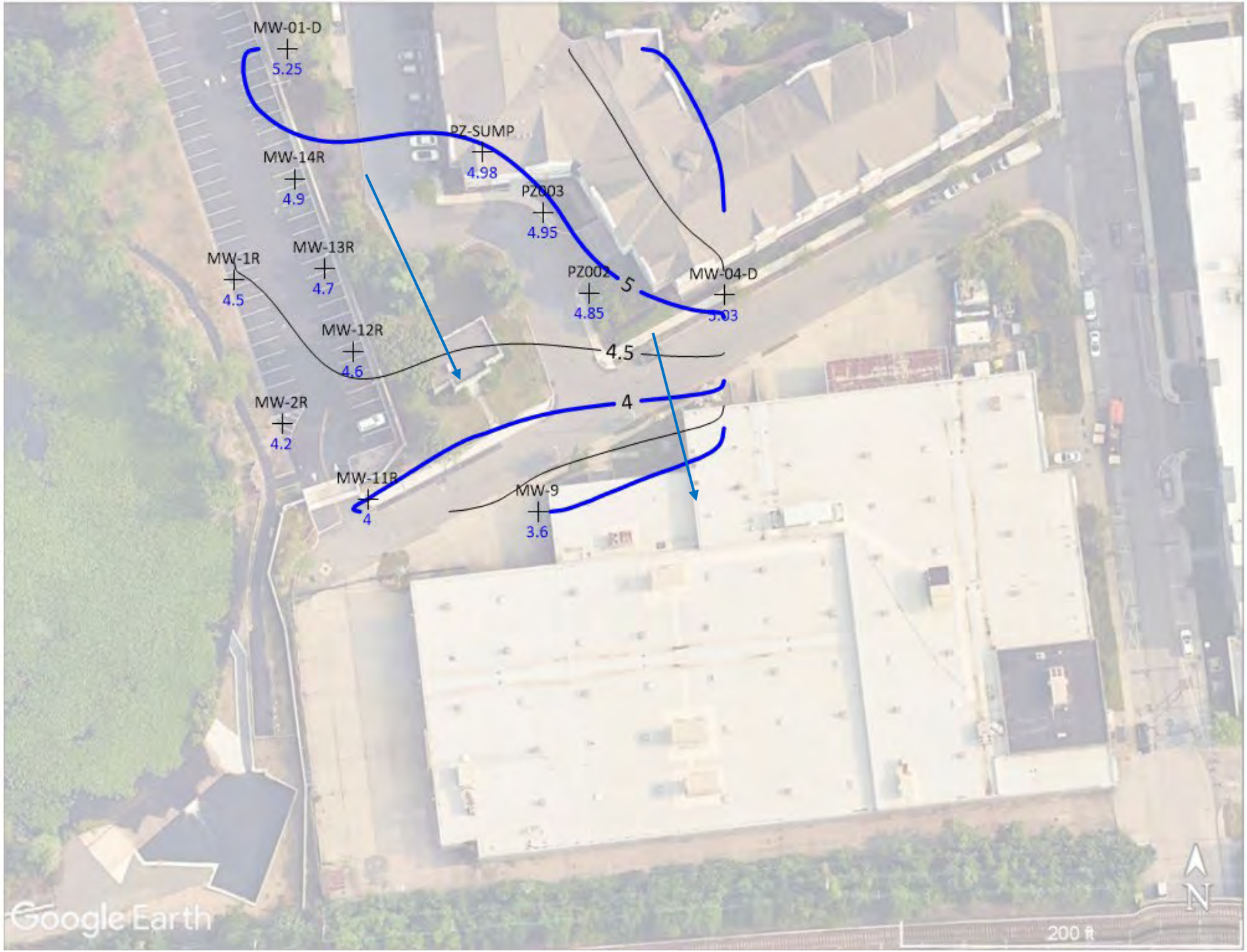
8/28/24 - Manual



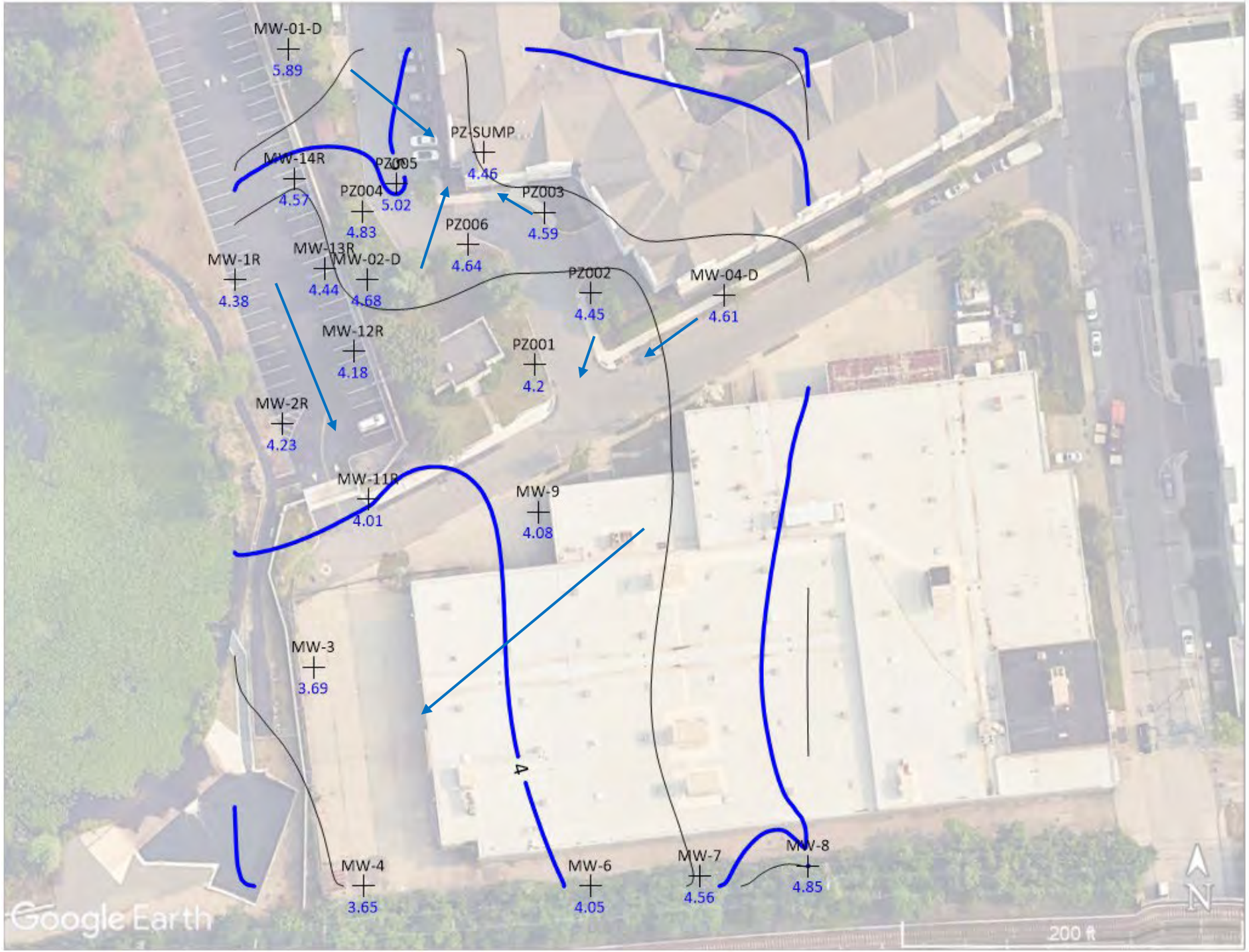
9/05/24


MW-01-D
5.19
PZ-SUMP
3.41
MW-14R
4.9
4.5
4
PZ003
4.31
MW-1R
4.5
MW-13R
4.7
PZ002
4.36
MW-04-D
4.23
MW-12R
4.6
4
MW-2R
4.3
MW-11R
4
MW-9
3.6
Google Earth
200 ft
N

9/11/24


MW-01-D
5.25
PZ-SUMP
4.98
MW-14R
4.9
PZ003
4.95
MW-13R
4.7
MW-1R
4.5
PZ002
4.85
MW-04-D
5.03
5
MW-12R
4.6
4.5
MW-2R
4.2
4
MW-11R
4
MW-9
3.6
Google Earth
200 ft
N

10/24/24 - Manual



Attachment 4

ENVIRONMENTAL
Data Services, Inc.

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:

Analysis	*Method References*
VOCs	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	-	-	-
TB-20240927	None - ND	-	-	-

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 (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	-	-

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

Signed: Nancy Weaver Dated: 11/1/24

Nancy Weaver
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.

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW3-20240930		
Lab Sample ID:	JD97425-1	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2N15993.D	1	10/07/24 18:39	ED	n/a	n/a	V2N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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

10/30/24

Report of Analysis

Client Sample ID:	MW3-20240930		
Lab Sample ID:	JD97425-1	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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 [a]	ND UJ	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	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	115%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(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

MW 10/30/24

Raw Data: 1N15994.D

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SGS North America Inc.

Report of Analysis

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Client Sample ID:	MW4-20240930		
Lab Sample ID:	JD97425-2	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1N15994.D	1	10/07/24 18:52	ED	n/a	n/a	V1N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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	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

MW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW4-20240930		
Lab Sample ID:	JD97425-2	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

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

MW 10/30/24

Raw Data: 2N15995.D

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SGS North America Inc.

Report of Analysis

4.3 4

Client Sample ID:	MW6-20240930		
Lab Sample ID:	JD97425-3	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2N15995.D	1	10/07/24 19:06	ED	n/a	n/a	V2N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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	1.0	0.76	ug/l	UJ
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

MW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW6-20240930		
Lab Sample ID:	JD97425-3	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

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VOA TCL 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 [a]	ND UJ	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	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

(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

MW 10/30/24

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SGS North America Inc.

Report of Analysis

Client Sample ID:	MW7-20240930		
Lab Sample ID:	JD97425-4	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1N15996.D	1	10/07/24 19:20	ED	n/a	n/a	V1N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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	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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NW 10/30/24

Report of Analysis

Client Sample ID:	MW7-20240930		
Lab Sample ID:	JD97425-4	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	117%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

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

MW 10/30/24

Raw Data: 2N15997.D

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SGS North America Inc.

Report of Analysis

4.5 4

Client Sample ID:	MW8-20240930		
Lab Sample ID:	JD97425-5	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2N15997.D	1	10/07/24 19:34	ED	n/a	n/a	V2N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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

MW 10/30/24

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SGS North America Inc.

Report of Analysis

4.5 4

Client Sample ID:	MW8-20240930		
Lab Sample ID:	JD97425-5	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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 [a]	ND UJ	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	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

(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

NW 10/30/24

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SGS North America Inc.

Report of Analysis

Client Sample ID:	MW9-20241001		
Lab Sample ID:	JD97425-6	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1N15998.D	1	10/07/24 19:47	ED	n/a	n/a	V1N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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
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

NW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW9-20241001		
Lab Sample ID:	JD97425-6	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

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VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	12.2	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	19.7	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	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	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	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

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

MW 10/30/24

Raw Data: 5A10405.D

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SGS North America Inc.

Report of Analysis

4.7 4

Client Sample ID:	MW1R-20241001		
Lab Sample ID:	JD97425-7	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A10405.D	1	10/08/24 11:26	NW	n/a	n/a	V5A302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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-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	7.8	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

MW 10/30/24

Client Sample ID:	MW1R-20241001		
Lab Sample ID:	JD97425-7	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

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VOA TCL 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	2.0	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	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(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

MW 10/30/24

Raw Data: CR9264.D

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SGS North America Inc.

Report of Analysis

4.7 4

Client Sample ID:	MW1R-20241001		
Lab Sample ID:	JD97425-7	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR9264.D	1	10/09/24 15:26	JY	10/08/24 14:40	OP58391A	ECR449
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		29-124%
321-60-8	2-Fluorobiphenyl	69%		23-122%
1718-51-0	Terphenyl-d14	74%		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

MW 10/30/24

Raw Data: 2N15973.D

SGS North America Inc.

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Report of Analysis

4.8 4

Client Sample ID:	MW2R-20240930		
Lab Sample ID:	JD97425-8	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2N15973.D	1	10/07/24 14:03	ED	n/a	n/a	V2N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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

MW 10/30/24

Client Sample ID:	MW2R-20240930		
Lab Sample ID:	JD97425-8	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

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VOA TCL 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 [a]	ND UJ	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	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

(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

MW 10/30/24

Raw Data: 2M136202.D

SGS North America Inc.

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Report of Analysis

4.8 4

Client Sample ID:	MW2R-20240930		
Lab Sample ID:	JD97425-8	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M136202.D	1	10/10/24 19:41	JY	10/07/24 16:30	OP58377A	E2M6191
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		29-124%
321-60-8	2-Fluorobiphenyl	60%		23-122%
1718-51-0	Terphenyl-d14	66%		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

MW 10/30/24

Raw Data: 4A10406.D

SGS North America Inc.

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Report of Analysis

4.9 4

Client Sample ID:	MW11R-20241001		
Lab Sample ID:	JD97425-9	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A10406.D	1	10/08/24 11:44	NW	n/a	n/a	V4A302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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
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

MW 10/30/24

Client Sample ID:	MW11R-20241001		
Lab Sample ID:	JD97425-9	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

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4

VOA TCL 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	57.1	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	8.4	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	10.6	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	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

(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

MW10/30/24

Raw Data: CR9265.D

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SGS North America Inc.

Report of Analysis

4.9 4

Client Sample ID:	MW11R-20241001		
Lab Sample ID:	JD97425-9	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR9265.D	1	10/09/24 15:48	JY	10/08/24 14:40	OP58391A	ECR449
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	99%		29-124%
321-60-8	2-Fluorobiphenyl	77%		23-122%
1718-51-0	Terphenyl-d14	93%		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

MW 10/30/24

Raw Data: 1N16000.D

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SGS North America Inc.

Report of Analysis

4.10 4

Client Sample ID:	MW12R-20240930		
Lab Sample ID:	JD97425-10	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1N16000.D	1	10/07/24 20:15	ED	n/a	n/a	V1N383
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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	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	117	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.1	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

MW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW12R-20240930		
Lab Sample ID:	JD97425-10	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	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	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

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

NS 10/30/24

Raw Data: 2M136203.D

10

SGS North America Inc.

Report of Analysis

4.10 4

Client Sample ID:	MW12R-20240930		
Lab Sample ID:	JD97425-10	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M136203.D	1	10/10/24 20:06	JY	10/07/24 16:30	OP58377A	E2M6191
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		29-124%
321-60-8	2-Fluorobiphenyl	53%		23-122%
1718-51-0	Terphenyl-d14	68%		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

NW 10/30/24

Raw Data: 5A10411.D 4A10412.D

11

SGS North America Inc.

Report of Analysis

4.11 4

Client Sample ID:	MW13R-20241001		
Lab Sample ID:	JD97425-11	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A10411.D	1	10/08/24 13:13	NW	n/a	n/a	V5A302
Run #2	4A10412.D	10	10/08/24 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-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	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
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

MW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW13R-20241001		
Lab Sample ID:	JD97425-11	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	146	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	180	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	3.7	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	Limits
1868-53-7	Dibromofluoromethane	95%	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	80-120%
2037-26-5	Toluene-D8	102%	100%	80-120%
460-00-4	4-Bromofluorobenzene	93%	91%	82-114%

(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
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

MW 10/30/24

Raw Data: CR9266.D

11

SGS North America Inc.

Report of Analysis

4.11 4

Client Sample ID:	MW13R-20241001		
Lab Sample ID:	JD97425-11	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR9266.D	1	10/09/24 16:11	JY	10/08/24 14:40	OP58391A	ECR449
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		29-124%
321-60-8	2-Fluorobiphenyl	66%		23-122%
1718-51-0	Terphenyl-d14	80%		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

NJ 10/30/24

Raw Data: 4A10410.D 2N15979.D

12

SGS North America Inc.

Report of Analysis

4.12 4

Client Sample ID:	MW14R-20241001		
Lab Sample ID:	JD97425-12	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	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-chloropropane	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	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	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

MW 10/30/24

Report of Analysis

Client Sample ID:	MW14R-20241001		
Lab Sample ID:	JD97425-12	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	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	Tetrachloroethene	1430 [c]	10	5.6	ug/l	
108-88-3	Toluene	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	Trichloroethene	560	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	20.1	5.0	2.6	ug/l	
	m,p-Xylene	ND	5.0	3.9	ug/l	
95-47-6	o-Xylene	ND	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	108%	80-120%
2037-26-5	Toluene-D8	101%	101%	80-120%
460-00-4	4-Bromofluorobenzene	94%	100%	82-114%

(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
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

MW 10130124

Raw Data: CR9267.D

12

SGS North America Inc.

Report of Analysis

4.12
4

Client Sample ID:	MW14R-20241001		
Lab Sample ID:	JD97425-12	Date Sampled:	10/01/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8270E BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR9267.D	1	10/09/24 16:34	JY	10/08/24 14:40	OP58391A	ECR449
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		29-124%
321-60-8	2-Fluorobiphenyl	74%		23-122%
1718-51-0	Terphenyl-d14	79%		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

MW 10/30/24

Raw Data: 5A10407.D

13

SGS North America Inc.

Report of Analysis

4.13 4

Client Sample ID:	DUP-20240930		
Lab Sample ID:	JD97425-13	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A10407.D	1	10/08/24 12:02	NW	n/a	n/a	V5A302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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-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

NW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-20240930		
Lab Sample ID:	JD97425-13	Date Sampled:	09/30/24
Matrix:	AQ - Ground Water	Date Received:	10/02/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(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

MS 10/30/24

Raw Data: GB16942.D

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SGS North America Inc.

Report of Analysis

4.14 4

Client Sample ID:	TB-20240927		
Lab Sample ID:	JD97425-14	Date Sampled:	10/01/24
Matrix:	AQ - Trip Blank Water	Date Received:	10/08/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16942.D	1	10/11/24 00:23	GL	n/a	n/a	VGB470
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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]	ND UJ	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

MW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	TB-20240927		
Lab Sample ID:	JD97425-14	Date Sampled:	10/01/24
Matrix:	AQ - Trip Blank Water	Date Received:	10/08/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	Limits
1868-53-7	Dibromofluoromethane	114%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	110%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(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

10/30/24

Raw Data: GB16943.D

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SGS North America Inc.

Report of Analysis

4.15 4

Client Sample ID:	TB-20240927		
Lab Sample ID:	JD97425-15	Date Sampled:	10/01/24
Matrix:	AQ - Trip Blank Water	Date Received:	10/08/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16943.D	1	10/11/24 00:48	GL	n/a	n/a	VGB470
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

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]	ND UJ	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

NW 10/30/24

SGS North America Inc.

Report of Analysis

Client Sample ID:	TB-20240927		
Lab Sample ID:	JD97425-15	Date Sampled:	10/01/24
Matrix:	AQ - Trip Blank Water	Date Received:	10/08/24
Method:	SW846 8260D	Percent Solids:	n/a
Project:	Darby Drugs, 80 Banks Avenue, Rockville Centre, NY		

VOA TCL 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	Limits
1868-53-7	Dibromofluoromethane	112%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	110%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

(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

NW 10/30/24

ENVIRONMENTAL
Data Services, Inc.

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	24J1726-03	Water
4	MW7-20241024	24J1726-04	Water
5	MW8-20241024	24J1726-05	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	24J1726-10	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	24J1726-15	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:

Analysis	*Method References*
1,4-Dioxane	USEPA Method 8270E SIM
PFAS	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	-	-

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).

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%	J	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	-	-	-

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 (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 (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%	UJ	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 Dated: 12/3/24

Nancy Weaver
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.

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW3-20241024

1

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Ground Water	Laboratory ID:	24J1726-01	File ID:	E800078995.D
Sampled:	10/24/24 13:30	Prepared:	10/30/24 12:51	Analyzed:	11/01/24 13:20
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ42100	Sequence: S4K0130	Calibration:	SJ40038	Instrument: MSBNA8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.40	60.0	36.6 - 118	

* Values outside of QC limits

NW 12/2/24

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW4-20241024

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-02	File ID:	E800078996.D
Sampled:	10/24/24 12:45	Prepared:	10/30/24 12:51	Analyzed:	11/01/24 13:38
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ42100	Sequence:	S4K0130	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.40	60.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW6-20241024

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Ground Water	Laboratory ID:	24J1726-03	File ID:	E800078998.D
Sampled:	10/24/24 14:00	Prepared:	10/30/24 12:51	Analyzed:	11/01/24 14:13
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ42100	Sequence: S4K0130		Calibration: SJ40038	Instrument: MSBNA8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.24	56.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW7-20241024

4

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-04	File ID:	E800078999.D
Sampled:	10/24/24 14:15	Prepared:	10/30/24 12:51	Analyzed:	11/01/24 14:30
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ42100	Sequence:	S4K0130	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	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

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW8-20241024

5

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-05	File ID:	E800078949.D
Sampled:	10/24/24 14:30	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 14:36
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	3.04	76.0	36.6 - 118	

* Values outside of QC limits

MW 12/2/24

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW9-20241024

6

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Ground Water	Laboratory ID:	24J1726-06	File ID:	E800078950.D
Sampled:	10/24/24 13:00	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 14:53
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	3.04	76.0	36.6 - 118	

* Values outside of QC limits

MJ 12/2/24

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW1R-20241024

7

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-07	File ID:	E800078951.D
Sampled:	10/24/24 12:15	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 15:11
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.72	68.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW2R-20241024

8

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-08	File ID:	E800078952.D
Sampled:	10/24/24 12:35	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 15:28
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038

Instrument: MSBNA8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.72	68.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW11R-20241024

9

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Ground Water	Laboratory ID:	24J1726-09	File ID:	E800078953.D
Sampled:	10/24/24 12:45	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 15:46
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.40	60.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW12R-20241024

10

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-10	File ID:	E800078954.D
Sampled:	10/24/24 11:30	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 16:03
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	3.04	76.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW13R-20241024

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-11	File ID:	E800078955.D
Sampled:	10/24/24 11:50	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 16:21
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.88	72.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

MW14R-20241024

12

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-12	File ID:	E800078957.D
Sampled:	10/24/24 12:05	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 16:56
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	3.04	76.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

DUP-20241024

13

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-13	File ID:	E800078958.D
Sampled:	10/24/24 12:35	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 17:13
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038

Instrument: MSBNA8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.88	72.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

Equipment Blank

14

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Water	Laboratory 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:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	3.20	80.0	36.6 - 118	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E SIM

Field Blank

15

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Water	Laboratory ID:	24J1726-15	File ID:	E800078960.D
Sampled:	10/24/24 14:50	Prepared:	10/28/24 08:34	Analyzed:	10/30/24 17:49
Solids:		Preparation:	EPA 3535A	Initial/Final:	125 mL / 2 mL
Batch:	BJ41856	Sequence:	S4J3103	Calibration:	SJ40038
Instrument:	MSBNA8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
123-91-1	1,4-Dioxane	1	0.300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,4-Dioxane-d8	4.00	2.72	68.0	36.6 - 118	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW3-20241024

1

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-01 File ID: QQQ45636.d

Sampled: 10/24/24 13:30 Prepared: 10/29/24 15:32 Analyzed: 10/30/24 23:22

Solids: Preparation: EPA 1633 Prep Initial/Final: 551.78 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 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)	1	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	~~J~~ UJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.62	~~J~~ UJ
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	~~J~~ UJ
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	~~J~~ UJ
4151-50-2	N-EtFOSA	1	1.81	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW3-20241024

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-01	File ID:	QQQ45636.d
Sampled:	10/24/24 13:30	Prepared:	10/29/24 15:32	Analyzed:	10/30/24 23:22
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	551.78 mL / 5 mL
Batch:	BJ42006	Sequence:	S4J3116	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING 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-[13C8]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-[13C4]butanoic acid (MPFBA)	90.6	77.5	85.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.7	21.4	98.5	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.3	44.8	98.8	25 - 150	
Perfluoro-1-[13C8]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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1741.195	8.264983	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	12411.55	7.68045	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	43232.51	4.55105	44317.15	4.56945	
Perfluoro-n-[13C4]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	

MW 12/2/24

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 1633 Draft 3

MW4-20241024

2

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-02	File ID:	QQQ45637.d
Sampled:	10/24/24 12:45	Prepared:	10/29/24 15:32	Analyzed:	10/30/24 23:39
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	549.84 mL / 5 mL
Batch:	BJ42006	Sequence:	S4J3116	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-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	6.91	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	6.98	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	8.22	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.24	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.64	UJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.64	UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.64	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	1.71	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.82	U
13252-13-6	HFPO-DA (Gen-X)	1	7.27	U
763051-92-9	11CL-PF3OUdS	1	6.87	U
756426-58-1	9CL-PF3ONS	1	6.80	U
919005-14-4	ADONA	1	6.87	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.76	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.75	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.55	UJ
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	18.2	U
31506-32-8	N-MeFOSA	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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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW4-20241024

2

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-02 File ID: QQQ45637.d

Sampled: 10/24/24 12:45 Prepared: 10/29/24 15:32 Analyzed: 10/30/24 23:39

Solids: Preparation: EPA 1633 Prep Initial/Final: 549.84 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	21.2	20.8	98.0	25 - 150	
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-[13C8]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-[1,2-13C2]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-[13C8]octanesulfonic acid (M8PFOS)	21.8	26.5	122	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.5	57.0	125	25 - 150	
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	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	*
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 STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	13156.29	1.216283	16044.63	1.234633	
MPFDA	4302.156	8.763667	6072.83	8.772917	
MPFHxA	10343.14	6.187067	15602.51	6.205567	
MPFHxS	1178.297	7.11235	1527.053	7.1216	
MPFNA	5874.226	8.256117	7820.77	8.265384	
MPFOA	12231.17	7.671667	17576.08	7.690166	
MPFOS	3609.676	8.291984	4757.775	8.30125	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	1800.775	8.264983	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	12578.75	7.671183	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	39751.61	4.532667	44317.15	4.56945	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	27913.26	1.213983	71017.5	1.23235	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	3887.727	9.58695	10797.92	9.58695	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW6-20241024

3

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-03 File ID: QQQ45638.d

Sampled: 10/24/24 14:00 Prepared: 10/29/24 15:32 Analyzed: 10/30/24 23:55

Solids: Preparation: EPA 1633 Prep Initial/Final: 545.63 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 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 (PFPeA)	1	8.35	
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	1.77	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-butanoic 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	UJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.67	UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.67	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.804	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.87	U
13252-13-6	HFPO-DA (Gen-X)	1	7.33	U
763051-92-9	11CL-PF3OUdS	1	6.93	U
756426-58-1	9CL-PF3ONS	1	6.85	U
919005-14-4	ADONA	1	6.93	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.78	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.76	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.58	UJ
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	22.9	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	22.9	U
24448-09-7	N-MeFOSE	1	18.3	U
31506-32-8	N-MeFOSA	1	1.83	U
1691-99-2	N-EtFOSE	1	18.3	U
4151-50-2	N-EtFOSA	1	1.83	U

MW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW6-20241024

3

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-03	File ID:	QQQ45638.d
Sampled:	10/24/24 14:00	Prepared:	10/29/24 15:32	Analyzed:	10/30/24 23:55
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	545.63 mL / 5 mL
Batch:	BJ42006	Sequence:	S4J3116	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	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-[13C8]octanoic acid (M8PFOA)	22.9	25.2	110	25 - 150	
M6PFDA	11.5	14.3	125	25 - 150	
M7PFUdA	11.5	11.2	98.2	25 - 150	
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-[13C4]butanoic acid (MPFBA)	91.6	53.7	58.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.9	26.3	120	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.8	60.0	131	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.9	27.0	118	10 - 150	
d3-N-MeFOSAA	45.8	47.7	104	25 - 150	
d5-N-EtFOSAA	45.8	51.9	113	25 - 150	
M2-6:2 FTS	43.6	83.0	190	25 - 200	
M2-8:2 FTS	44.0	63.7	145	25 - 200	
M9PFNA	11.5	10.7	93.6	25 - 150	
M2-4:2 FTS	43.0	80.9	188	25 - 150	
d-N-MeFOSA	22.9	17.0	74.0	25 - 150	
d-N-EtFOSA	22.9	12.2	53.4	25 - 150	
M3HFPO-DA	91.6	95.7	104	25 - 150	
d9-N-EtFOSE	229	138	60.4	25 - 150	
d7-N-MeFOSE	229	180	78.4	25 - 150	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	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-[13C9]nonanoic acid (M9PFNA)-EIS	1876.042	8.255716	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	11064.28	7.671183	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	36631.7	4.541867	44317.15	4.56945	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	32765.18	1.223167	71017.5	1.23235	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	8038.537	9.5962	10797.92	9.58695	

MW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW7-20241024

4

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-04 File ID: 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: LCQQQ

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	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	13.3	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.98	
335-67-1	Perfluorooctanoic acid (PFOA)	1	43.4	
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
2991-50-6	N-EtFOSAA	1	1.79	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	5.62	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.79	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.71	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.73	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1	6.81	U
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	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.19	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.58	UJ ~~U~~
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.58	UJ ~~U~~
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
756426-58-1	9CL-PF3ONS	1	6.70	U
919005-14-4	ADONA	1	6.77	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.74	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.72	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.48	UJ ~~U~~
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	1.79	U
1691-99-2	N-EtFOSE	1	17.9	U
4151-50-2	N-EtFOSA	1	1.79	U

MW 2/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW7-20241024

4

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-04 File ID: 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: LCQQQ

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	20.9	21.5	103	25 - 150	
M5PFHxA	22.4	26.2	117	25 - 150	
M4PFHpA	22.4	18.5	82.7	25 - 150	
M3PFHxS	21.2	23.9	113	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.4	28.1	126	25 - 150	
M6PFDA	11.2	13.8	124	25 - 150	
M7PFUdA	11.2	10.4	92.6	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.2	6.13	54.8	25 - 150	
M2PFTeDA	11.2	2.58	23.1	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	89.6	45.5	50.8	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.5	24.4	114	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.8	48.5	108	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.4	22.8	102	10 - 150	
d3-N-MeFOSAA	44.8	37.3	83.3	25 - 150	
d5-N-EtFOSAA	44.8	37.6	84.0	25 - 150	
M2-6:2 FTS	42.6	55.9	131	25 - 200	
M2-8:2 FTS	43.0	39.2	91.1	25 - 200	
M9PFNA	11.2	10.8	96.2	25 - 150	
M2-4:2 FTS	42.0	71.2	169	25 - 150	✓
d-N-MeFOSA	22.4	9.14	40.8	25 - 150	
d-N-EtFOSA	22.4	6.27	28.0	25 - 150	
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	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
M3PFBA	12182.4	1.234633	16044.63	1.234633	
MPFDA	4281.862	8.782184	6072.83	8.772917	
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-[13C9]nonanoic acid (M9PFNA)-EIS	1855.547	8.2747	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	12878.15	7.68045	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	40032.45	4.56025	44317.15	4.56945	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	26675.38	1.23235	71017.5	1.23235	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	5661.167	9.605433	10797.92	9.58695	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW8-20241024

5

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-05 File ID: QQQ45640.d

Sampled: 10/24/24 14:30 Prepared: 10/29/24 15:32 Analyzed: 10/31/24 00:27

Solids: Preparation: EPA 1633 Prep Initial/Final: 555.3 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

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	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	1.58	J
335-67-1	Perfluorooctanoic acid (PFOA)	1	42.5	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	9.09	
375-95-1	Perfluorononanoic acid (PFNA)	1	1.91	
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	UJ ~~U~~
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.60	UJ ~~U~~
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	UJ ~~U~~
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

MW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW8-20241024

5

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-05 File ID: QQQ45640.d

Sampled: 10/24/24 14:30 Prepared: 10/29/24 15:32 Analyzed: 10/31/24 00:27

Solids: Preparation: EPA 1633 Prep Initial/Final: 555.3 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

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 MONITORING 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	
M4PFHpA	22.5	22.5	99.8	25 - 150	
M3PFHxS	21.3	23.3	109	25 - 150	
Perfluoro-n-[13C8]octanoic 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	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.3	9.11	80.9	25 - 150	
M2PFTeDA	11.3	7.74	68.8	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.0	59.1	65.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.6	25.4	118	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.0	53.2	118	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.5	25.3	112	10 - 150	
d3-N-MeFOSAA	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	f
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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	2075.533	8.2279	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	11563.13	7.641933	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	40264.54	4.56025	44317.15	4.56945	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	41688.14	1.223167	71017.5	1.23235	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9072.332	9.56845	10797.92	9.58695	

MW 12/12/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW9-20241024

6

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory 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: Preparation: EPA 1633 Prep Initial/Final: 559.27 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	4.92	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	7.84	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	8.47	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	2.79	
335-67-1	Perfluorooctanoic acid (PFOA)	1	15.1	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	15.3	
375-95-1	Perfluorononanoic acid (PFNA)	1	28.8	
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
2991-50-6	N-EtFOSAA	1	1.79	U
2706-90-3	Perfluoropentanoic acid (PFPeA)	1	9.27	
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	1	1.79	U
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1	1.71	U
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1	1.73	U
27619-97-2	1H,1H,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	Perfluoro-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 ~~U~~
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.58	UJ ~~U~~
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	6.71	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	UJ ~~U~~
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	1.79	U
1691-99-2	N-EtFOSE	1	17.9	U
4151-50-2	N-EtFOSA	1	1.79	U

NW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW9-20241024

6

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory 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: Preparation: EPA 1633 Prep Initial/Final: 559.27 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

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 MONITORING 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-[13C8]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-[13C4]butanoic acid (MPFBA)	89.4	47.6	53.2	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.4	22.5	105	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44.7	51.8	116	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.4	22.8	102	10 - 150	
d3-N-MeFOSAA	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	
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 STANDARD	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	
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-[13C9]nonanoic acid (M9PFNA)-EIS	1622.943	8.20935	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	11288.47	7.622617	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	37472.26	4.56025	44317.15	4.56945	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	30761.64	1.23235	71017.5	1.23235	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	5605.369	9.5592	10797.92	9.58695	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW1R-20241024

7

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-07 File ID: QQQ45642.d

Sampled: 10/24/24 12:15 Prepared: 10/29/24 15:32 Analyzed: 10/31/24 00:59

Solids: Preparation: EPA 1633 Prep Initial/Final: 550.67 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

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	UJ ~~U~~
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.63	UJ ~~U~~
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.63	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	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	11CL-PF3OUdS	1	6.86	U
756426-58-1	9CL-PF3ONS	1	6.79	U
919005-14-4	ADONA	1	6.86	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	4.54	UJ ~~U~~
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	18.2	U
31506-32-8	N-MeFOSA	1	1.82	U
1691-99-2	N-EtFOSE	1	18.2	U
4151-50-2	N-EtFOSA	1	1.82	U

MW1R1/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW1R-20241024

7

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory ID: 24J1726-07 File ID: QQQ45642.d

Sampled: 10/24/24 12:15 Prepared: 10/29/24 15:32 Analyzed: 10/31/24 00:59

Solids: Preparation: EPA 1633 Prep Initial/Final: 550.67 mL / 5 mL

Batch: BJ42006 Sequence: S4J3116 Calibration: SJ40012 Instrument: LCQQQ

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	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-[13C8]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-[1,2-13C2]dodecanoic acid (MPFDoA)	11.3	9.41	82.9	25 - 150	
M2PFTeDA	11.3	6.26	55.2	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.8	91.7	101	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.7	24.0	110	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.4	55.7	123	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.7	25.3	111	10 - 150	
d3-N-MeFOSAA	45.4	41.8	92.1	25 - 150	
d5-N-EtFOSAA	45.4	48.2	106	25 - 150	
M2-6:2 FTS	43.2	51.2	119	25 - 200	
M2-8:2 FTS	43.6	41.8	95.9	25 - 200	
M9PFNA	11.3	11.6	102	25 - 150	
M2-4:2 FTS	42.6	67.7	159	25 - 150	F
d-N-MeFOSA	22.7	15.0	66.2	25 - 150	
d-N-EtFOSA	22.7	12.3	54.4	25 - 150	
M3HFPO-DA	90.8	101	112	25 - 150	
d9-N-EtFOSE	227	126	55.7	25 - 150	
d7-N-MeFOSE	227	154	67.8	25 - 150	

INTERNAL STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	2002.804	8.255716	2141.99	8.264983	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	11610.91	7.671183	14138.04	7.6897	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	40722.18	4.597633	44317.15	4.56945	
Perfluoro-n-[13C4]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	

MW1R1241024

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 1633 Draft 3

MW2R-20241024

8

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-08	File ID:	QQQ45671.d
Sampled:	10/24/24 12:35	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 15:21
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	541.81 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	10.2	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	7.31	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	12.8	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	5.97	
335-67-1	Perfluorooctanoic acid (PFOA)	1	22.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	3.99	
375-95-1	Perfluorononanoic acid (PFNA)	1	1.44	J
335-76-2	Perfluorodecanoic acid (PFDA)	1	1.85	U
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1	1.85	U
307-55-1	Perfluorododecanoic acid (PFDoA)	1	1.85	U
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	1	1.85	U
376-06-7	Perfluorotetradecanoic acid (PFTA)	1	1.85	U
2355-31-9	N-MeFOSAA	1	1.85	U
2991-50-6	N-EtFOSAA	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 (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	2.54	J 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
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.69	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.69	UJ
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	6.90	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 (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

MW 12/12/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW2R-20241024

8

Laboratory: York Analytical Laboratories, Inc. - Stratford | SDG: 24J1726

Client: EnviroTrac | Project: Darby Drugs

Matrix: Ground Water | Laboratory ID: 24J1726-08 | File ID: QQQ45671.d

Sampled: 10/24/24 12:35 | Prepared: 10/30/24 10:46 | Analyzed: 10/31/24 15:21

Solids: | Preparation: EPA 1633 Prep | Initial/Final: 541.81 mL / 5 mL

Batch: BJ42083 | Sequence: S4J3150 | Calibration: SJ40012 | Instrument: LCQQQ

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	21.5	21.7	101	25 - 150	
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-[13C8]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	11.5	7.00	60.7	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.3	79.2	85.9	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.1	21.4	97.0	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.1	44.8	97.0	25 - 150	
Perfluoro-1-[13C8]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 STANDARD	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	
MPFOA	12614.98	7.576567	16073.6	7.6516	
MPFOS	3397.112	8.170067	4663.833	8.263783	
Perfluoro-n-[13C9]nonanoic acid (M9PFNA)-EIS	1704.726	8.133433	2180.265	8.237166	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	9753.435	7.576217	12756.09	7.651217	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	35356.08	4.597633	47239.22	4.56025	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	44388.42	1.259883	75099.02	1.241533	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	7543.705	9.503366	11161.12	9.58695	

MW121124

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW11R-20241024

9

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-09	File ID:	QQQ45676.d
Sampled:	10/24/24 12:45	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 16:42
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	543.22 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	6.41	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	11.1	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	13.2	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	5.87	
335-67-1	Perfluorooctanoic acid (PFOA)	1	17.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	7.44	
375-95-1	Perfluorononanoic acid (PFNA)	1	0.861	J
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	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	U ~~J~~
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	UJ ~~U~~
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.68	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	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)	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-MeFOSA	1	1.84	UJ ~~U~~
1691-99-2	N-EtFOSE	1	18.4	U
4151-50-2	N-EtFOSA	1	1.84	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW11R-20241024

9

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Ground Water	Laboratory ID:	24J1726-09	File ID:	QQQ45676.d
Sampled:	10/24/24 12:45	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 16:42
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	543.22 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING 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-[13C8]octanoic acid (M8PFOA)	23.0	22.9	99.5	25 - 150	
M6PFDA	11.5	13.1	114	25 - 150	
M7PFUdA	11.5	10.3	89.7	25 - 150	
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-[13C4]butanoic acid (MPFBA)	92.0	92.4	100	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.0	17.8	80.6	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.0	45.9	99.7	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.0	19.0	82.4	10 - 150	
d3-N-MeFOSAA	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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1655.178	8.152	1821.848	8.142716	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	9447.553	7.594767	10905.19	7.5855	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	31131.18	4.606833	37113.44	4.597633	
Perfluoro-n-[13C4]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	

NW 12/2/24

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 1633 Draft 3

MW12R-20241024

10

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-10	File ID:	QQQ45677.d
Sampled:	10/24/24 11:30	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 16:59
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	551.99 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	3.20	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	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	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	
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	U J
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	UJ
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	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	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	UJ
1691-99-2	N-EtFOSE	1	18.1	U
4151-50-2	N-EtFOSA	1	1.81	UJ

MW 11/21/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 1633 Draft 3

MW12R-20241024

10

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-10	File ID:	QQQ45677.d
Sampled:	10/24/24 11:30	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 16:59
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	551.99 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	21.1	17.6	83.4	25 - 150	
M5PFHxA	22.6	27.0	119	25 - 150	
M4PFHpA	22.6	20.1	88.9	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	
M6PFDA	11.3	12.6	112	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-n-[13C4]butanoic acid (MPFBA)	90.6	53.8	59.4	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.7	22.4	103	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.3	51.6	114	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-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 - 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	

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 (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	

MW12/2024

FORM I **ORGANIC ANALYSIS DATA SHEET**

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MW13R-20241024

11

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory 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
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	542.28 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

CAS NO.	COMPOUND	DILUTION	CONC. (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	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-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	1.88	UJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.08	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	6.21	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.28	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.69	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.69	UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.69	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	6.92	U
13252-13-6	HFPO-DA (Gen-X)	1	7.38	U
763051-92-9	11CL-PF3OUdS	1	6.97	U
756426-58-1	9CL-PF3ONS	1	6.90	U
919005-14-4	ADONA	1	6.97	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	18.4	U
31506-32-8	N-MeFOSA	1	1.84	UJ
1691-99-2	N-EtFOSE	1	18.4	U
4151-50-2	N-EtFOSA	1	1.84	U

NW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

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11

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory 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
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	542.28 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	21.5	18.4	85.6	25 - 150	
M5PFHxA	23.1	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-[13C8]octanoic acid (M8PFOA)	23.1	25.6	111	25 - 150	
M6PFDA	11.5	12.7	110	25 - 150	
M7PFUdA	11.5	10.2	88.2	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.5	6.44	55.9	25 - 150	
M2PFTeDA	11.5	6.09	52.8	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.2	41.3	44.8	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.1	22.0	99.6	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.1	46.5	101	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.1	23.3	101	10 - 150	
d3-N-MeFOSAA	46.1	37.9	82.2	25 - 150	
d5-N-EtFOSAA	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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1876.35	8.142716	1821.848	8.142716	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	11316.59	7.576217	10905.19	7.5855	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	36132.5	4.56945	37113.44	4.597633	
Perfluoro-n-[13C4]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	

MW 12/12/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

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MW14R-20241024

12

Laboratory:	York Analytical Laboratories, Inc. - Stratford		SDG:	24J1726	
Client:	EnviroTrac		Project:	Darby Drugs	
Matrix:	Ground Water	Laboratory ID:	24J1726-12	File ID:	QQQ45679.d
Sampled:	10/24/24 12:05	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 17:31
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	546.85 mL / 5 mL
Batch:	BJ42083	Sequence: S4J3150	Calibration:	SJ40012	Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	23.7	
307-24-4	Perfluorohexanoic acid (PFHxA)	1	17.5	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	16.7	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1	0.814	J
335-67-1	Perfluorooctanoic acid (PFOA)	1	32.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1	14.0	
375-95-1	Perfluorononanoic acid (PFNA)	1	6.54	
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 J
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	UJ
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	6.91	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	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
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	22.9	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	22.9	U
24448-09-7	N-MeFOSE	1	18.3	U
31506-32-8	N-MeFOSA	1	1.83	UJ
1691-99-2	N-EtFOSE	1	18.3	U
4151-50-2	N-EtFOSA	1	1.83	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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MW14R-20241024

12

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory ID:	24J1726-12	File ID:	QQQ45679.d
Sampled:	10/24/24 12:05	Prepared:	10/30/24 10:46	Analyzed:	10/31/24 17:31
Solids:		Preparation:	EPA 1633 Prep	Initial/Final:	546.85 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING 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	
Perfluoro-n-[13C8]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-[1,2-13C2]dodecanoic acid (MPFDoA)	11.4	8.33	72.9	25 - 150	
M2PFTeDA	11.4	7.21	63.1	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.4	23.8	26.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.9	23.8	109	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.7	50.5	111	25 - 150	
Perfluoro-1-[13C8]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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1939.727	8.161817	1821.848	8.142716	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	10257.9	7.5855	10905.19	7.5855	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	32414.97	4.55105	37113.44	4.597633	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	11546.98	1.23235	61992.38	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	6708.508	9.531466	8783.024	9.512617	

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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DUP-20241024

13

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Ground Water Laboratory 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: Preparation: EPA 1633 Prep Initial/Final: 549.37 mL / 5 mL

Batch: BJ42083 Sequence: S4J3150 Calibration: SJ40012 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (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	
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	U J
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	J
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.24	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.64	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.64	UJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.64	U
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	1	0.812	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	1	6.83	U
13252-13-6	HFPO-DA (Gen-X)	1	7.28	U
763051-92-9	11CL-PF3OUdS	1	6.88	U
756426-58-1	9CL-PF3ONS	1	6.81	U
919005-14-4	ADONA	1	6.88	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.77	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.75	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.55	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	22.8	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	22.8	U
24448-09-7	N-MeFOSE	1	18.2	U
31506-32-8	N-MeFOSA	1	1.82	UJ
1691-99-2	N-EtFOSE	1	18.2	U
4151-50-2	N-EtFOSA	1	1.82	U

NW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

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DUP-20241024

13

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24J1726
Client:	EnviroTrac			Project:	Darby Drugs
Matrix:	Ground Water	Laboratory 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:		Preparation:	EPA 1633 Prep	Initial/Final:	549.37 mL / 5 mL
Batch:	BJ42083	Sequence:	S4J3150	Calibration:	SJ40012
Instrument:	LCQQQ				

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 MONITORING 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-[13C8]octanoic acid (M8PFOA)	22.8	30.3	133	25 - 150	
M6PFDA	11.4	16.1	142	25 - 150	
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-[13C4]butanoic acid (MPFBA)	91.0	63.7	70.0	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.8	25.0	115	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.5	51.8	114	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.8	26.1	115	10 - 150	
d3-N-MeFOSAA	45.5	42.6	93.6	25 - 150	
d5-N-EtFOSAA	45.5	43.4	95.3	25 - 150	
M2-6:2 FTS	43.3	41.0	94.7	25 - 200	
M2-8:2 FTS	43.7	40.0	91.5	25 - 200	
M9PFNA	11.4	12.2	107	25 - 150	
M2-4:2 FTS	42.7	50.9	119	25 - 150	
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	
d7-N-MeFOSE	228	193	84.9	25 - 150	

INTERNAL STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1946.46	8.20935	1821.848	8.142716	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	11658.05	7.632667	10905.19	7.5855	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	36393.38	4.514266	37113.44	4.597633	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	31174.56	1.223167	61992.38	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	7912.407	9.540717	8783.024	9.512617	

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14

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Water Laboratory 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

Solids: Preparation: EPA 1633 Prep Initial/Final: 543.51 mL / 5 mL

Batch: BJ42083 Sequence: S4J3150 Calibration: SJ40012 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.63	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1.84	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.84	UJ ~~B~~
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)	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 ~~J~~
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	J ~~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	UJ ~~B~~
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	1.78	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-MeFOSA	1	1.84	UJ ~~B~~
1691-99-2	N-EtFOSE	1	18.4	U
4151-50-2	N-EtFOSA	1	1.84	U

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FORM I **ORGANIC ANALYSIS DATA SHEET**

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14

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Water Laboratory 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

Solids: Preparation: EPA 1633 Prep Initial/Final: 543.51 mL / 5 mL

Batch: BJ42083 Sequence: S4J3150 Calibration: SJ40012 Instrument: LCQQQ

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
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-[13C8]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-[1,2-13C2]dodecanoic acid (MPFDoA)	11.5	11.8	103	25 - 150	
M2PFTeDA	11.5	9.28	80.7	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.0	8.80	9.57	25 - 150	
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.0	26.7	121	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.0	50.8	110	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.0	29.8	130	10 - 150	
d3-N-MeFOSAA	46.0	47.2	103	25 - 150	
d5-N-EtFOSAA	46.0	50.7	110	25 - 150	
M2-6:2 FTS	43.7	41.6	95.1	25 - 200	
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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1946.754	8.237166	1821.848	8.142716	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	12422.4	7.651217	10905.19	7.5855	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	33910.1	4.532667	37113.44	4.597633	
Perfluoro-n-[13C4]butanoic acid (MPFBA)-EIS	3811.725	1.213983	61992.38	1.2507	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)-EIS	9294.912	9.5777	8783.024	9.512617	

NW 12/2/24

FORM I **ORGANIC ANALYSIS DATA SHEET**

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15

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Water Laboratory ID: 24J1726-15 File ID: QQQ45682.d

Sampled: 10/24/24 14:50 Prepared: 10/30/24 10:46 Analyzed: 10/31/24 18:19

Solids: Preparation: EPA 1633 Prep Initial/Final: 544.95 mL / 5 mL

Batch: BJ42083 Sequence: S4J3150 Calibration: SJ40012 Instrument: LCQQQ

CAS NO.	COMPOUND	DILUTION	CONC. (ng/L)	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1	1.62	U
307-24-4	Perfluorohexanoic acid (PFHxA)	1	1.84	U
375-85-9	Perfluoroheptanoic acid (PFHpA)	1	1.84	UJ ~~U~~
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)	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	3.67	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	U ~~U~~
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1	7.05	U
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1	7.34	UJ ~~U~~
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1	3.27	U
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1	3.67	U
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	1	3.67	UJ ~~U~~
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	1	3.67	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	6.88	U
13252-13-6	HFPO-DA (Gen-X)	1	7.34	U
763051-92-9	11CL-PF3OUdS	1	6.94	U
756426-58-1	9CL-PF3ONS	1	6.86	U
919005-14-4	ADONA	1	6.94	U
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	1	1.78	U
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	1	1.76	U
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)	1	4.59	U
914637-49-3	3-Perfluoropentyl propanoic acid (FPePA)	1	22.9	U
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)	1	22.9	U
24448-09-7	N-MeFOSE	1	18.4	U
31506-32-8	N-MeFOSA	1	1.84	UJ ~~U~~
1691-99-2	N-EtFOSE	1	18.4	U
4151-50-2	N-EtFOSA	1	1.84	U

NW 2/21/25

FORM I **ORGANIC ANALYSIS DATA SHEET**

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15

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24J1726

Client: EnviroTrac Project: Darby Drugs

Matrix: Water Laboratory ID: 24J1726-15 File ID: QQQ45682.d

Sampled: 10/24/24 14:50 Prepared: 10/30/24 10:46 Analyzed: 10/31/24 18:19

Solids: Preparation: EPA 1633 Prep Initial/Final: 544.95 mL / 5 mL

Batch: BJ42083 Sequence: S4J3150 Calibration: SJ40012 Instrument: LCQQQ

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 MONITORING COMPOUND	ADDED (ng/L)	CONC (ng/L)	% REC	QC LIMITS	Q
M3PFBS	21.4	20.9	97.8	25 - 150	
M5PFHxA	22.9	25.5	111	25 - 150	
M4PFHpA	22.9	19.3	84.3	25 - 150	
M3PFHxS	21.7	22.5	103	25 - 150	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.9	25.6	112	25 - 150	
M6PFDA	11.5	15.3	134	25 - 150	
M7PFUdA	11.5	11.8	103	25 - 150	
Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.5	10.4	91.1	25 - 150	
M2PFTeDA	11.5	6.80	59.3	10 - 150	
Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.8	7.87	8.57	25 - 150	f
Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	22.0	22.6	103	25 - 150	
Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.9	38.8	84.6	25 - 150	
Perfluoro-1-[13C8]octanesulfonamide (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 STANDARD	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-[13C9]nonanoic acid (M9PFNA)-EIS	1961.983	8.237166	1821.848	8.142716	
Perfluoro-n-[13C8]octanoic acid (M8PFOA)-EIS	10731.83	7.661933	10905.19	7.5855	
Perfluoro-n-[13C54]pentanoic acid (M5PFPeA)-EIS	30870.77	4.532667	37113.44	4.597633	
Perfluoro-n-[13C4]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	

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