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TECHNICAL MEMORANDUM

To:	Kristine Iazzetta, NJDEP
From:	Erin Palko, Integral, and Scott Drew, Geosyntec
Date:	April 12, 2024
Subject:	Solvay Specialty Polymers USA, LLC—Fourth Quarter 2023 Groundwater Results Tech Memo SRP PI No. 015010; RPC140002, RPC230001

On behalf of Solvay Specialty Polymers USA, LLC (Solvay), Integral Consulting Inc. (Integral) prepared this technical memorandum for groundwater (Tech Memo) in conjunction with Licensed Site Remediation Professional (LSRP) Scott Drew. The Tech Memo presents a summary of groundwater remedial investigation activities completed during the fourth quarter of 2023 for the facility located at 10 Leonard Lane, West Deptford, New Jersey (Site; Figure 1). Specifically, it discusses investigation into per- and polyfluoroalkyl substances (PFAS), particularly perfluorononanoic acid (PFNA) and perfluorooctanoic acid (PFOA), as well as monofunctional surfactants (MFS [chloro-perfluoro-polyether carboxylic acids, or ClPFPECAs]) and bifunctional surfactants (BFS [perfluoropolyether dicarboxylic acids]). For the purposes of this document, "PFAS" refers to the compounds included in perfluoroalkyl acids, or PFAA, a category that includes but is not limited to perfluorononanoic acid (PFNA), perfluorooctanoic acid (PFOA), and perfluorooctane sulfonate (PFOS). It does not include per- and polyfluoroalkyl ether-based substances (the category that would include ClPFPECAs).

The scope of the groundwater monitoring activities discussed herein has been presented to the New Jersey Department of Environmental Protection (NJDEP) through regular meetings between NJDEP, the LSRP, and Solvay, as well as previous submittals including the Interim Groundwater Remedial Investigation Report dated February 8, 2023 (Interim RIR; Integral 2023) and three quarterly memorandums dated August 30, 2023 (first quarter), October 24, 2023 (second quarter), and January 12, 2024 (third quarter). Previous groundwater investigation activities are summarized in the Conceptual Site Model dated July 30, 2022 (Integral 2022).

This Tech Memo is submitted for this investigation under the NJDEP Contaminated Site Remediation and Redevelopment Program (CSRRP, formerly the Site Remediation Program [SRP]) Program Interest No. 015010 (SRP PI No. 015010). Applicable CSRRP Activity Numbers for this document include RPC140002 – Solvay PFCs (PFAS) and RPC230001 – Spill ID 22-04-08-1354-45 (MFS).

INVESTIGATION ACTIVITIES

As part of the groundwater remedial investigation, the following activities were conducted as part of the fourth quarter of monitoring:

- Installation of two monitoring well couplets within the Upper Potomac Raritan Magothy (PRM) aquifer.
- Comprehensive groundwater gauging event of the monitoring well network examined in this sampling period.
- Groundwater sampling for PFAS and MFS using low-flow purge techniques. Samples were collected from a subset of wells and analyzed for BFS based on the results of previous groundwater sampling events.

The locations of monitoring wells sampled as part of the fourth quarter monitoring are included on Figure 1. All samples described herein were analyzed in accordance with the site-specific quality assurance project plan conditionally approved by NJDEP on May 3, 2023. Samples were collected following the procedures described in the field sampling plan conditionally approved by NJDEP on January 23, 2023.

A discussion of fourth quarter activities is summarized in the sections below.

Groundwater Monitoring Well Installation Activities

The following monitoring well clusters were installed in October and December 2023 to expand the monitoring network in the Upper PRM aquifer: MW-135S/D and MW-139S/D. The locations of the Upper PRM wells were selected to provide a wider monitoring well network for determining the presence and distribution of PFNA to the southeast of the Site (Figure 1). Well cluster MW-135S/D is positioned east of Mantua Pike and south of the New Jersey Turnpike, downgradient from MW-119S/D, and is intended to serve as a sentinel well cluster for long term monitoring. Well cluster MW-139S/D is located east of Route 45 and north of the New Jersey Turnpike, along the southeastern edge of the plume. Authorizations for access from landowners were received prior to the monitoring well installations.

A New Jersey licensed driller from Summit Drilling of Bridgewater, New Jersey, provided drilling and well construction services for the monitoring well installations. Boring logs, which included soil recovery, lithology, and color, were recorded at each new well location consistent with NJAC 7:9D (Appendix A). Groundwater vertical profiling samples were collected during the monitoring well installation activities as requested by NJDEP. The results of the groundwater profiling samples will be reported in the Annual Groundwater Summary Report anticipated to be submitted in the early second quarter of 2024.

The monitoring wells were constructed using 2-in.-diameter PVC riser and 10 ft of 2-in. diameter 0.010-slot PVC screen. The well completion (flush mount or stick-up protective casing) was based on the requirements of the landowner. Following installation, wells were developed using a submersible pump to remove fine-grained materials that may have settled in or around the monitoring wells during installation and to ensure the wells were hydraulically connected to the formation. Development was considered complete when the level of visual turbidity had decreased substantially. Development purge water was collected in 300-gallon project-dedicated totes and either treated via Solvay's groundwater treatment system or disposed offsite with other investigative derived wastes (e.g., drill cuttings). Monitoring wells MW-135S/D were surveyed by a New Jersey-licensed land surveyor to standard horizontal and vertical datum. Copies of available well permits and well records, and Forms A and B are provided in Appendix A. The survey for MW-139S/D is pending. The forms associated with this well cluster will be included in the First Quarter 2024 Technical Memorandum. The monitoring well logs summarizing well construction details and outstanding well records will be included in the Annual Groundwater Summary Report anticipated to be submitted in early second quarter of 2024.

Groundwater Gauging

Synoptic water level readings were collected by Integral field personnel during a 1-day period in December 2023. Measurements were taken using PFAS-free water level meters in all accessible wells included in the fourth quarter monitoring program. Notifications to property owners were completed prior to the event as applicable. Groundwater gauging measurements and elevations are included in Table 1.

Potentiometric groundwater surface maps were created for two zones within the Upper PRM: shallow (Figure 2) and deep (Figure 3). The intermediate Upper PRM zone was not mapped during this event because there are too few wells screened in this zone to reliably draw a potentiometric surface. Groundwater flow direction within the monitored zones of the Upper PRM is to the south–southeast, consistent with prior gauging events.

PFAS, MFS, and BFS Sampling Results

Groundwater sampling conducted in the fourth quarter took place over two sampling mobilizations in November and December 2023. Previously existing and newly installed monitoring wells were sampled for PFAS, MFS, and/or BFS in the Upper PRM as well as the Middle and Lower PRM aquifers (referred to as the "X-series" monitoring wells). All samples were collected in accordance with the 2022 Field Sampling Plan, which was approved by NJDEP in a letter dated 23 January 2023.

A total of 94 samples were collected during this monitoring period: 82 groundwater samples from monitoring wells screened in the Upper PRM, 8 groundwater samples collected from monitoring wells screened in the Middle or Lower PRM, and 4 blind duplicate samples across the aquifer units.

Samples were collected in laboratory-supplied bottleware, maintained at a temperature of 4°C or lower, and submitted under proper chain-of-custody. Ninety-four samples, (including four duplicate samples) were collected and analyzed for PFAS by U.S. Environmental Protection Agency (EPA) Method 1633 and submitted to SGS North America (SGS). Ninety-two samples were collected and analyzed for MFS and 36 samples were collected and analyzed for BFS by Eurofins Lancaster (Eurofins).

The NJDEP Groundwater Quality Standard (GWQS) for PFAS and PFOS is 13 nanograms per liter (ng/L), or 0.013 micrograms per liter (µg/L). The NJDEP GWQS for PFOA is 14 ng/L, or 0.014 µg/L. The interim GWQS for MFS is 2 ng/L, or 0.002 µg/L. At the time of this report, there are no GWQS for BFS.

Groundwater results from the fourth quarter 2023 sampling are presented in Tables 2 through 6 and on Figures 4 through 18. A summary of the results is provided in the exhibits below.

Exhibit 1. PFAS Groundwater Results Analysis (Upper PRM Wells)

Analyte	Max Detection (µg/L)	Max Sample ID	Min Detection (µg/L)	Min Sample ID	No. of Non-detects	No. of Exceedances of GWQS
PFNA	175	MW-128S	0.00057 J	MW-108D	3	72
PFOA	52	MW-128S	0.00077 J	MW-126D	2	60
PFOS	0.0979	MW-130S	0.00088 J	MW-117S	9	31

Exhibit 2. PFAS Groundwater Results Analysis (Middle/Lower PRM Wells)

Analyte	Max Detection (µg/L)	Max Sample ID	Min Detection (µg/L)	Min Sample ID	No. of Non-detects	No. of Exceedances of GWQS
PFNA	1.34	MW-19X	0.00049 J	MW-102X	0	5
PFOA	0.197	MW-19X	0.0044	P-3D	2	3
PFOS	0.0091	MW-22X	0.0025	P-3D	4	0

Exhibit 3. Total MFS Groundwater Results Analysis

Aquifer Zone	Max Detection (µg/L)	Max Sample ID	Min Detection (µg/L)	Min Sample ID	No. of Non-detects	No. of Exceedances of GWQS
Upper PRM	132 J	MW-128S	0.00057 J	MW-113D	18	60
Middle/Lower PRM	0.48	P-3I	0.00177 J	MW-102X	0	7

Exhibit 4. Total BFS Groundwater Results Analysis

Aquifer Zone	Max Detection (µg/L)	Max Sample ID	Min Detection (µg/L)	Min Sample ID	No. of Non-detects
Upper PRM	114 J	MW-10I	0.00032 J	MW-130D	16
Middle PRM	0.0361 J	MW-22X	0.0004 J	MW-10X	2

In the exhibits above, the "J" qualifier indicates that the sample result is considered estimated. The laboratory analytical data package and/or data validation report provides more information as to why the result has been "J" flagged.

Total MFS and total BFS are calculated in this deliverable (exhibits, tables, figures) using the sum of all reported oligomer detections. When an oligomer was not detected by the laboratory, the "U" qualified value was converted to a zero rather than using the reporting limit or method detection limit as agreed to with the NJDEP. Figures 13 through 15 show a total calculated sum of MFS and Figures 16 through 18 show a total calculated sum of BFS, respectively. When only "U" values were reported at a sample location, the total MFS and total BFS are presented as "ND" in the figures. In Tables 5 and 6, the result of total MFS or total BFS is reported as "0 U" when only "U" values were reported for a sample location. This is intended to signify that no detections were reported for any oligomers. In Table 5,

"R" values are the total of all acceptable oligomer results when one or more oligomers was rejected in the data validation process.

Data validation was completed for the MFS and BFS analysis for the samples collected in November and December 2023, consistent with prior deliverables. Based on the results of the data validation report, 10 results were rejected because of surrogate spike recovery. The rejected analytes are MFS_M4, MFS_N4, and MFS_N5 for the sample collected from MW-107S and its field replicate DUP_111423; and the analytes MFS_N4 and MFS_N5 for the sample collected from MW-131S and its field replicate, DUP_111723. All other data, as qualified, are acceptable for use.

Additional data validation was completed for MFS and BFS analysis for the samples collected in November 2023, consistent with prior deliverable and indicated the following:

- A total of 1,050 results were reported. Of those results, 132 results (12.6 percent) were qualified as estimated. Ten results were rejected, and completeness was calculated as 99 percent.
- The laboratory flagged the result for MFS_N2 in Samples P-6S, MW-128S, MW-1D, M/H-2D, and MW-10I indicating that the detected concentration was above the instrument calibration range. As such, these detections were qualified as estimated by the data validator.
- The method reporting limits for a number of MFS and BFS samples were elevated because their associated analyses required dilutions.

Field sampling forms from the November and December 2023 groundwater sampling and other applicable sampling documentation are included as Appendix B. Field sampling forms from ERM's activities will be submitted as part of the ERM deliverables for the separate case number.

Laboratory analytical data packages for this sampling event are included electronically in Appendix C, and the data validation reports are included as Appendix D. Electronic data deliverables for the data described herein have been emailed to srpedd@dep.nj.gov per NJDEP guidelines.

NEXT STEPS

The Q1 2024 groundwater sampling and gauging event was completed in March 2024. This event was consistent with what was proposed in the Interim RIR (Integral 2023a) and changes communicated through the Q1 2023, Q2 2023, and Q3 2023 memorandums (Integral 2023b,c, 2024) In addition, the recently installed well couplet MW-139S/D, located

south–southeast of the Site, was sampled during the first quarter of 2024. These wells will be added to the quarterly monitoring program for PFAS, MFS, and BFS. Newly installed well cluster MW-135S/D was added to the quarterly monitoring program for Q4 2023 and will continue to be sampled in subsequent events.

Results from investigation activities completed in the first quarter of 2024 sampling will be provided in a separate report expected to be submitted in the second quarter of 2024.

REFERENCES

Integral. 2022. Conceptual site model. Prepared for Solvay Specialty Polymers USA, LLC, West Deptford, NJ. Integral Consulting Inc., Moorestown, NJ.

Integral. 2023a. Interim Groundwater Remedial Investigation Report. Prepared for Solvay Specialty Polymers USA, LLC, West Deptford, NJ. Integral Consulting Inc., Moorestown, NJ.

Integral. 2023b. First Quarter 2023 Groundwater Results Tech Memo. Prepared for Solvay Specialty Polymers USA, LLC, West Deptford, NJ. Integral Consulting Inc., Moorestown, NJ.

Integral. 2023c. Second Quarter 2023 Groundwater Results Tech Memo. Prepared for Solvay Specialty Polymers USA, LLC, West Deptford, NJ. Integral Consulting Inc., Moorestown, NJ.

Integral. 2024. Third Quarter 2023 Groundwater Results Tech Memo. Prepared for Solvay Specialty Polymers USA, LLC, West Deptford, NJ. Integral Consulting Inc., Moorestown, NJ.

Figures

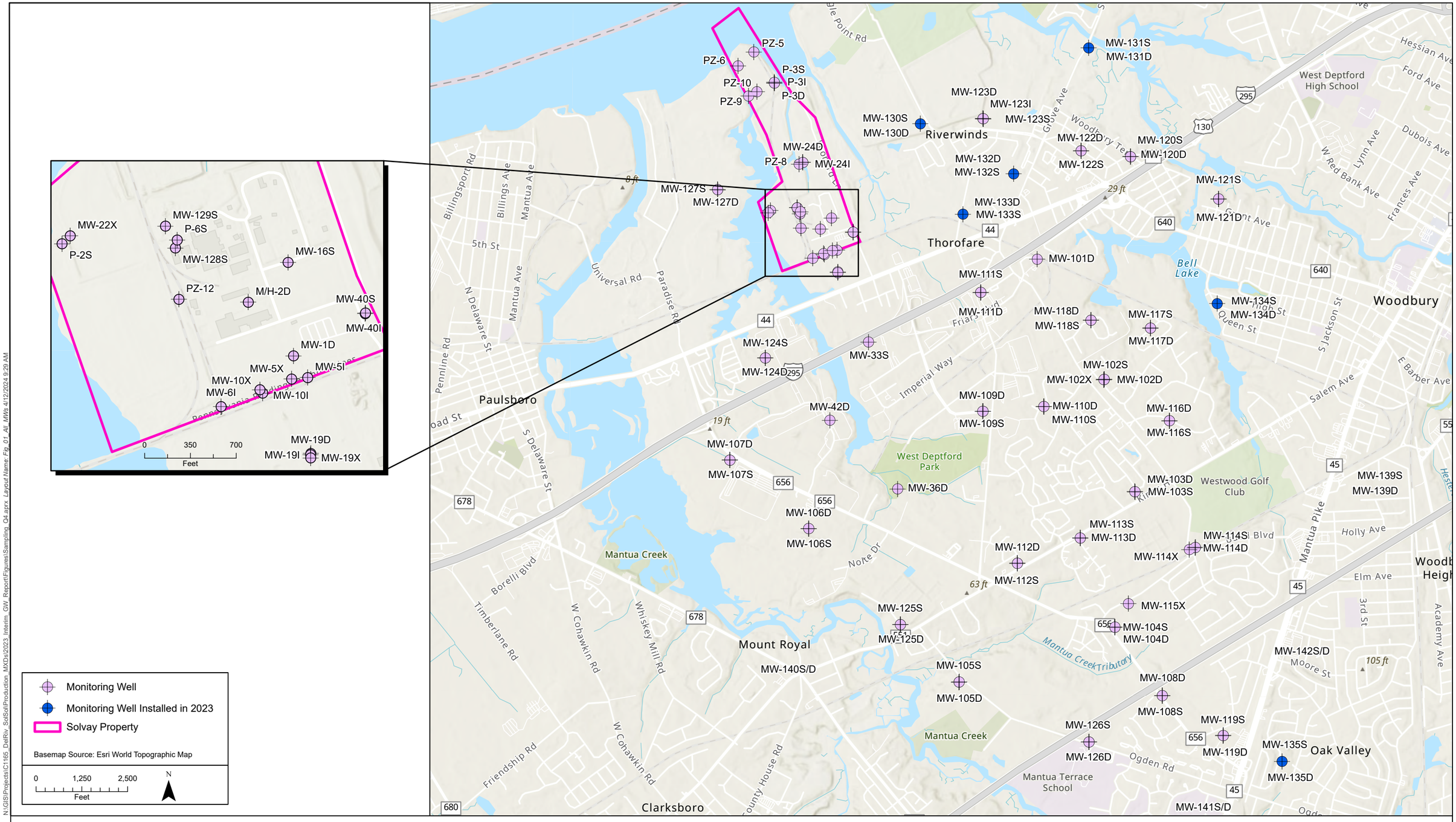

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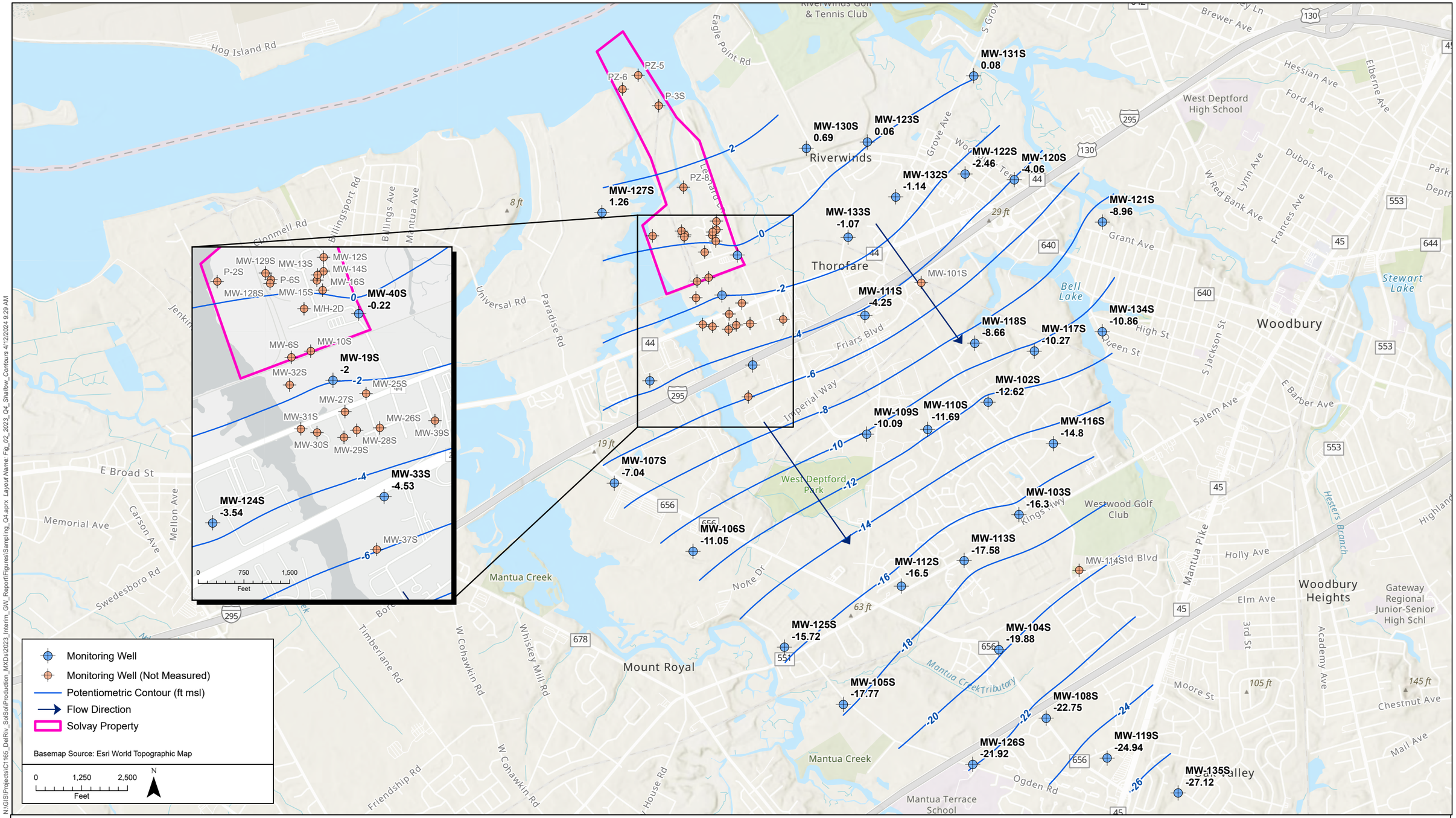
Figure 1.
All Wells (Upper, Lower, and Middle PRM)
November Groundwater Sampling



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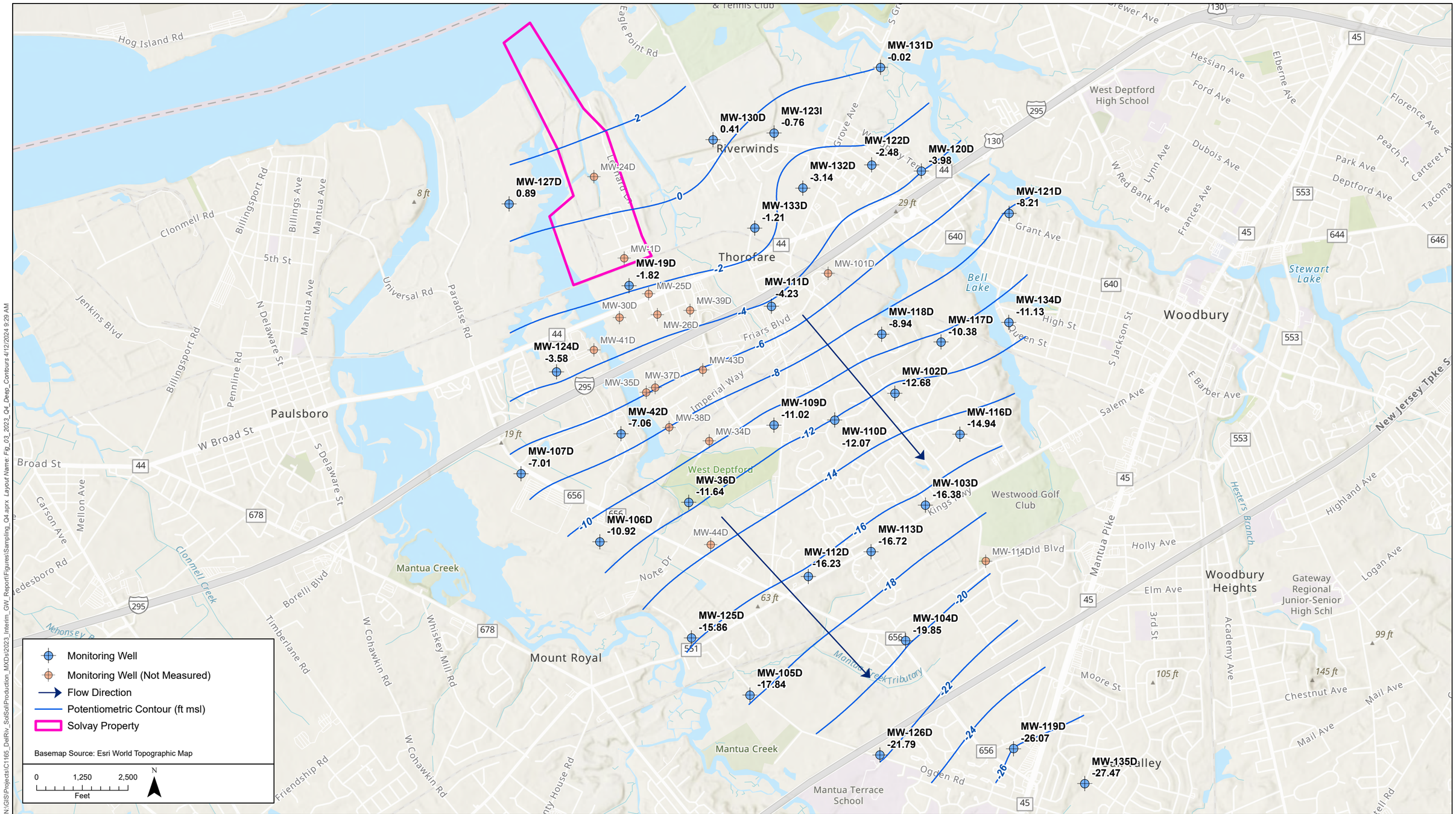
Notes:
1. Groundwater elevation measurements were collected by Integral on December 15, 2023
2. ft msl = feet mean sea level

Figure 2.
Shallow Upper PRM Monitoring Well Potentiometric Contours
(December 2023)



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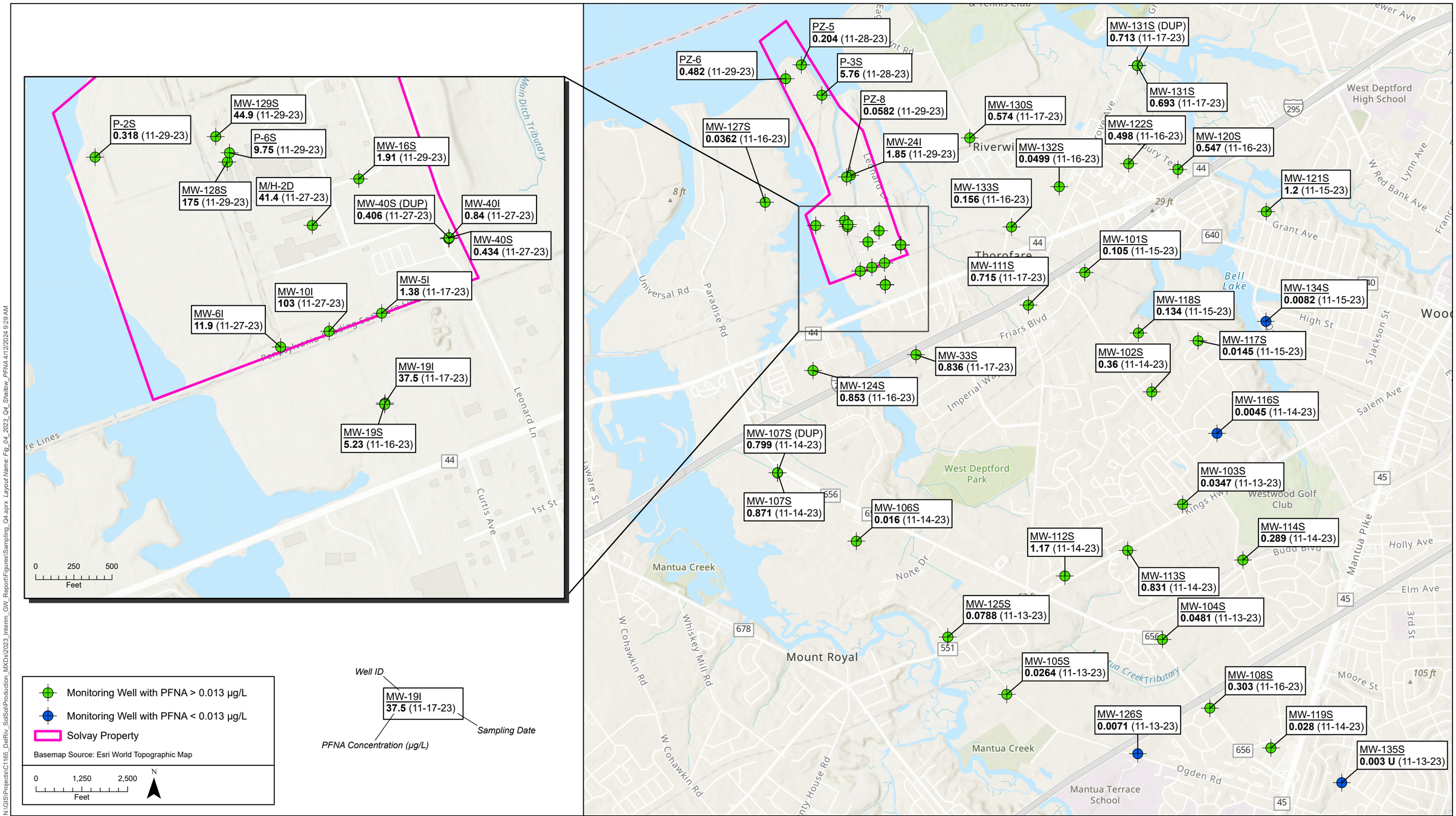
Notes:
1. Groundwater elevation measurements were collected by Integral on December 15, 2023
2. ft msl = feet mean sea level

Figure 3.
Deep Upper PRM Monitoring Well Potentiometric Contours (December 2023)



Monitoring Well with PFNA > 0.013 µg/L

Monitoring Well with PFNA < 0.013 µg/L

Solvay Property

Basemap Source: Esri World Topographic Map

0 1,250 2,500 Feet

N

Well ID

MW-19I
37.5 (11-17-23)

Sampling Date

PFNA Concentration (µg/L)

Note:
1. PFNA concentrations shown in µg/L
2. DUP = Sample Duplicate

Figure 4.
Shallow and Intermediate Wells (Upper PRM)
PFNA Concentrations in Groundwater
(November 2023)

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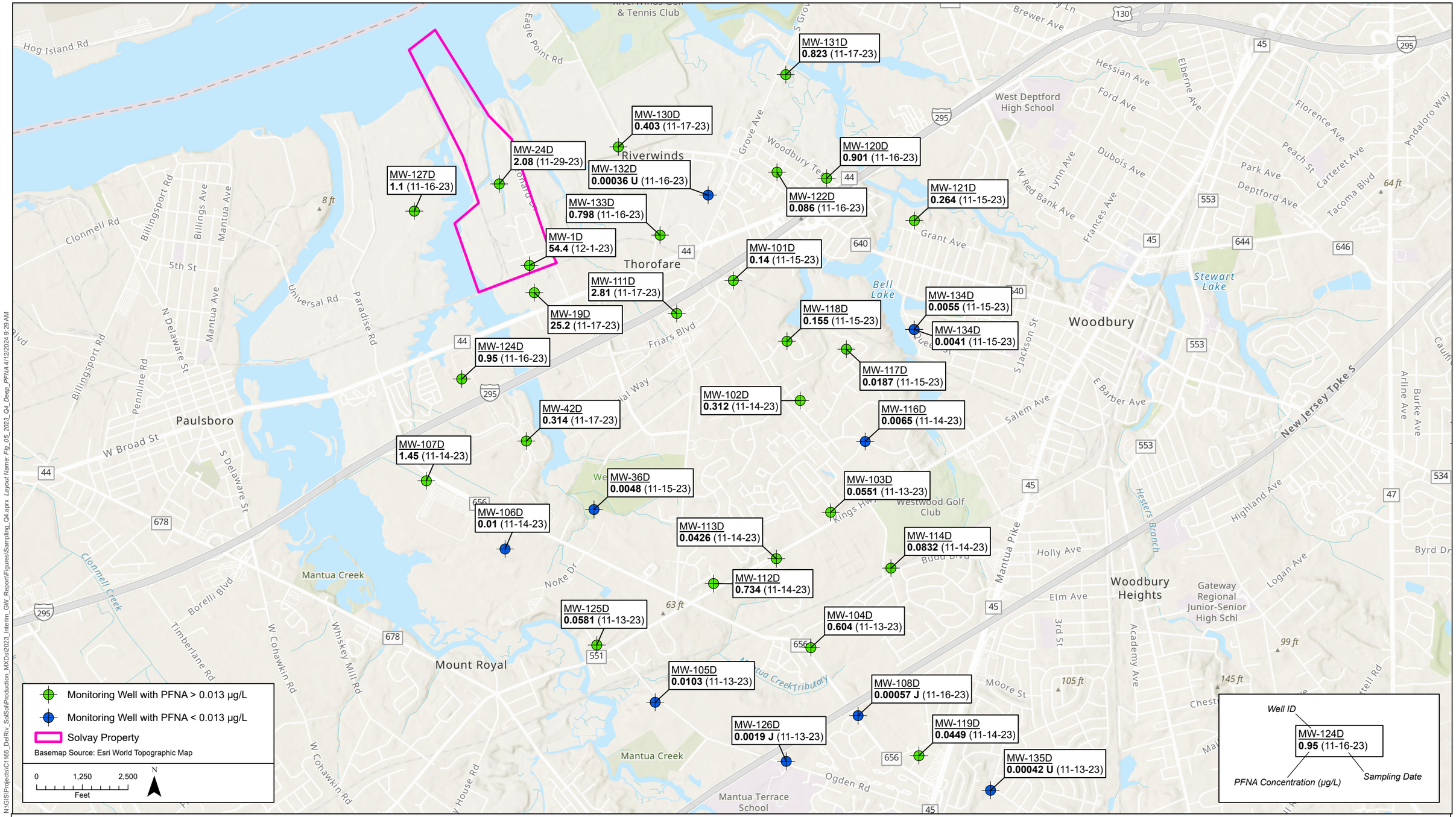

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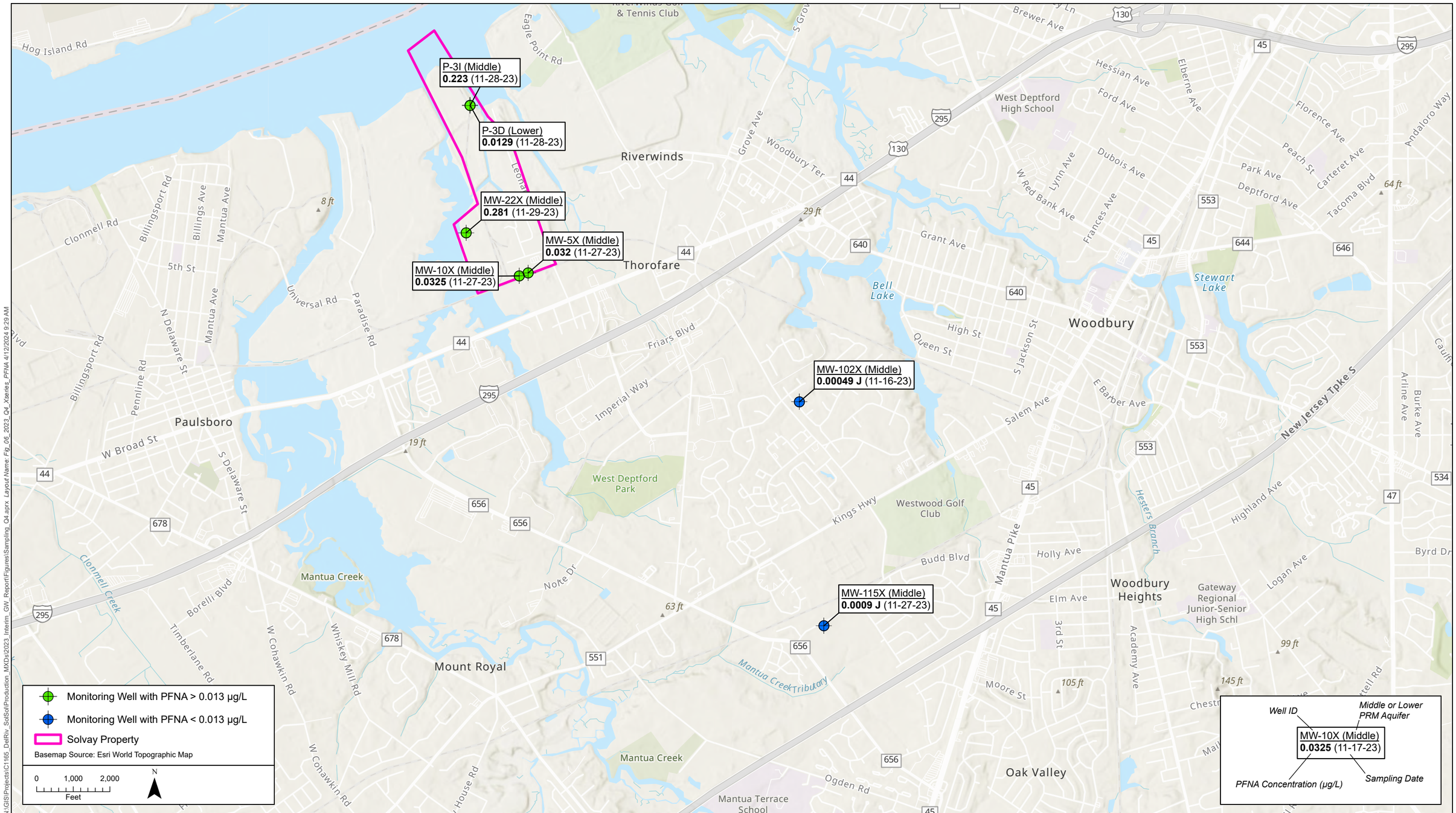
Notes:
1. PFNA concentrations shown in µg/L
2. U = not detected

Figure 5.
Deep Wells (Upper PRM)
PFNA Concentrations in Groundwater
(November-December 2023)



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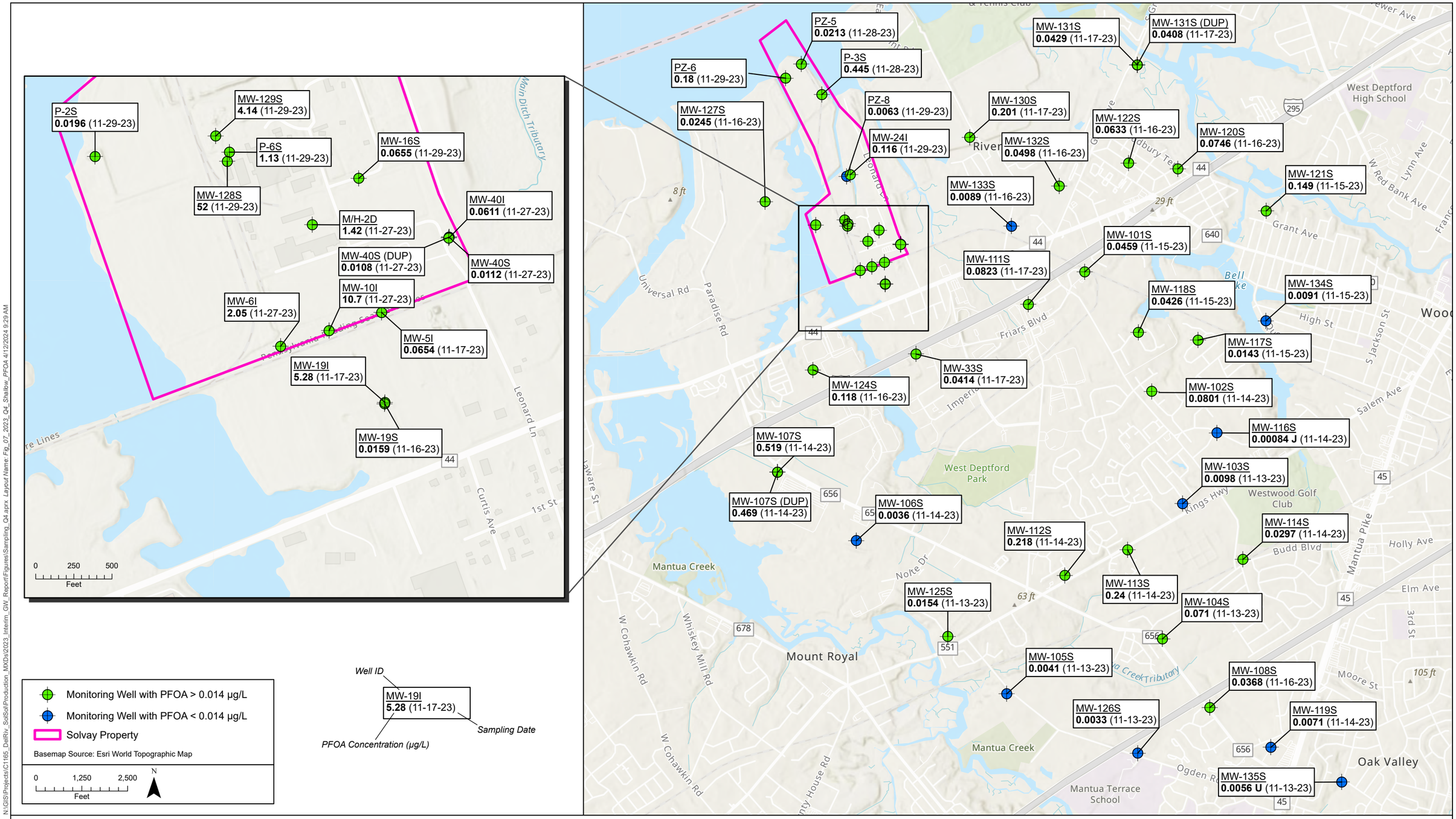
Notes:
1. PFNA concentrations shown in µg/L
2. U = not detected

Figure 6.
X-Series Wells (Middle or Lower PRM)
PFNA Concentrations in Groundwater
(November 2023)



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Note:
1. PFOA concentrations shown in µg/L
2. U = not detected
3. DUP = Duplicate Sample

Figure 7.
Shallow and Intermediate Wells (Upper PRM)
PFOA Concentrations in Groundwater
(November 2023)

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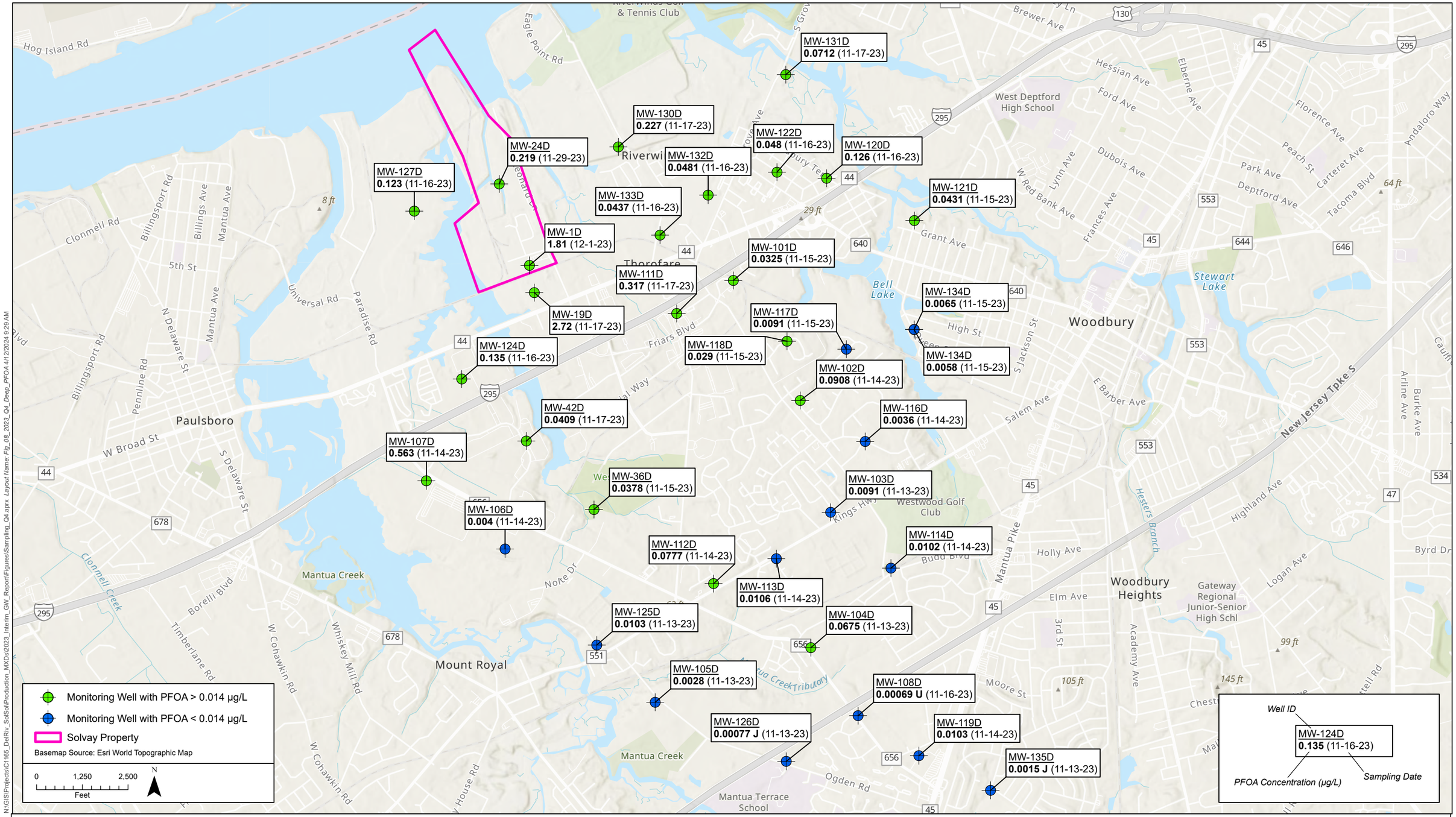

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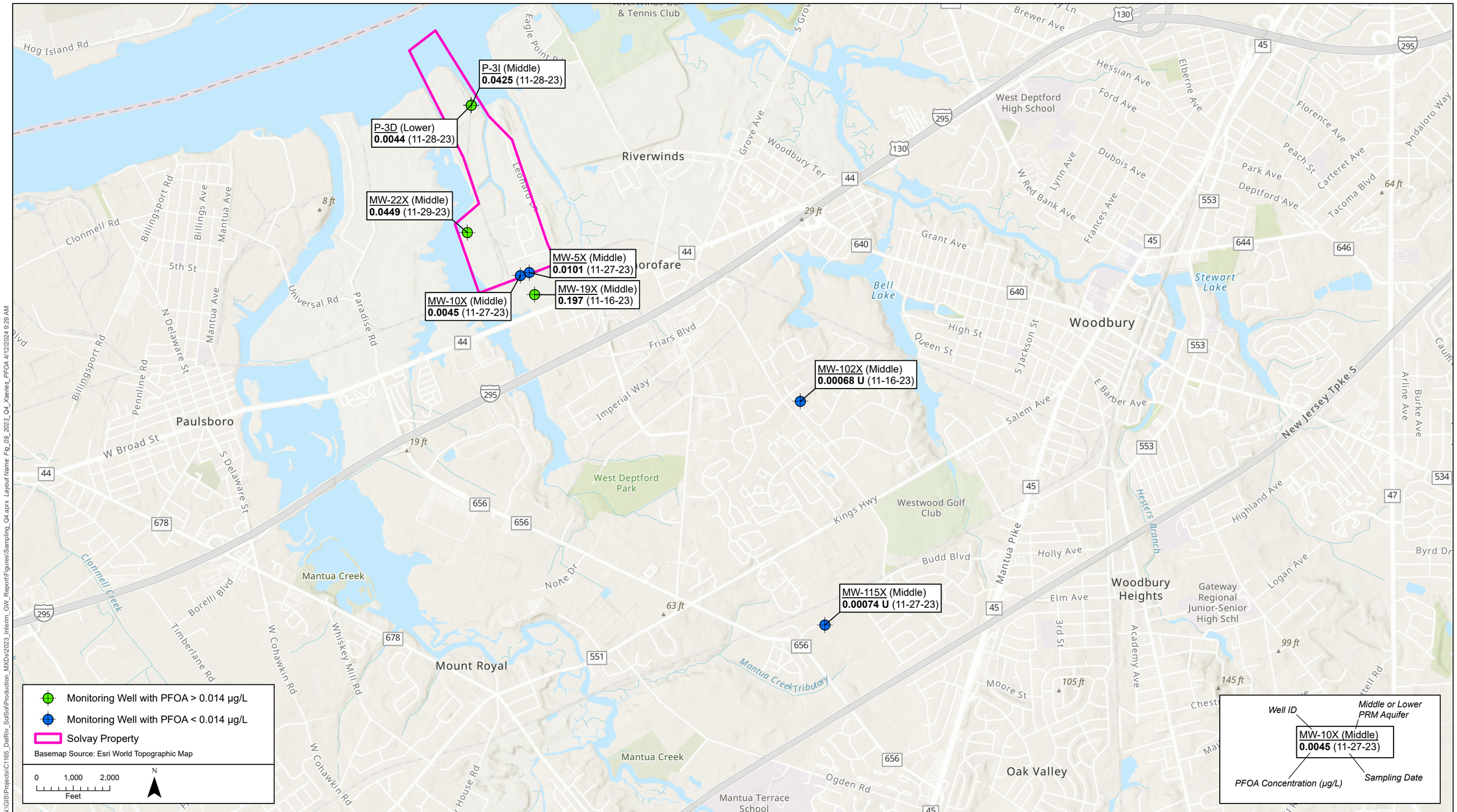
Notes:
1. PFOA concentrations shown in µg/L
2. U = not detected

Figure 8.
Deep Wells (Upper PRM)
PFOA Concentrations in Groundwater
(November-December 2023)



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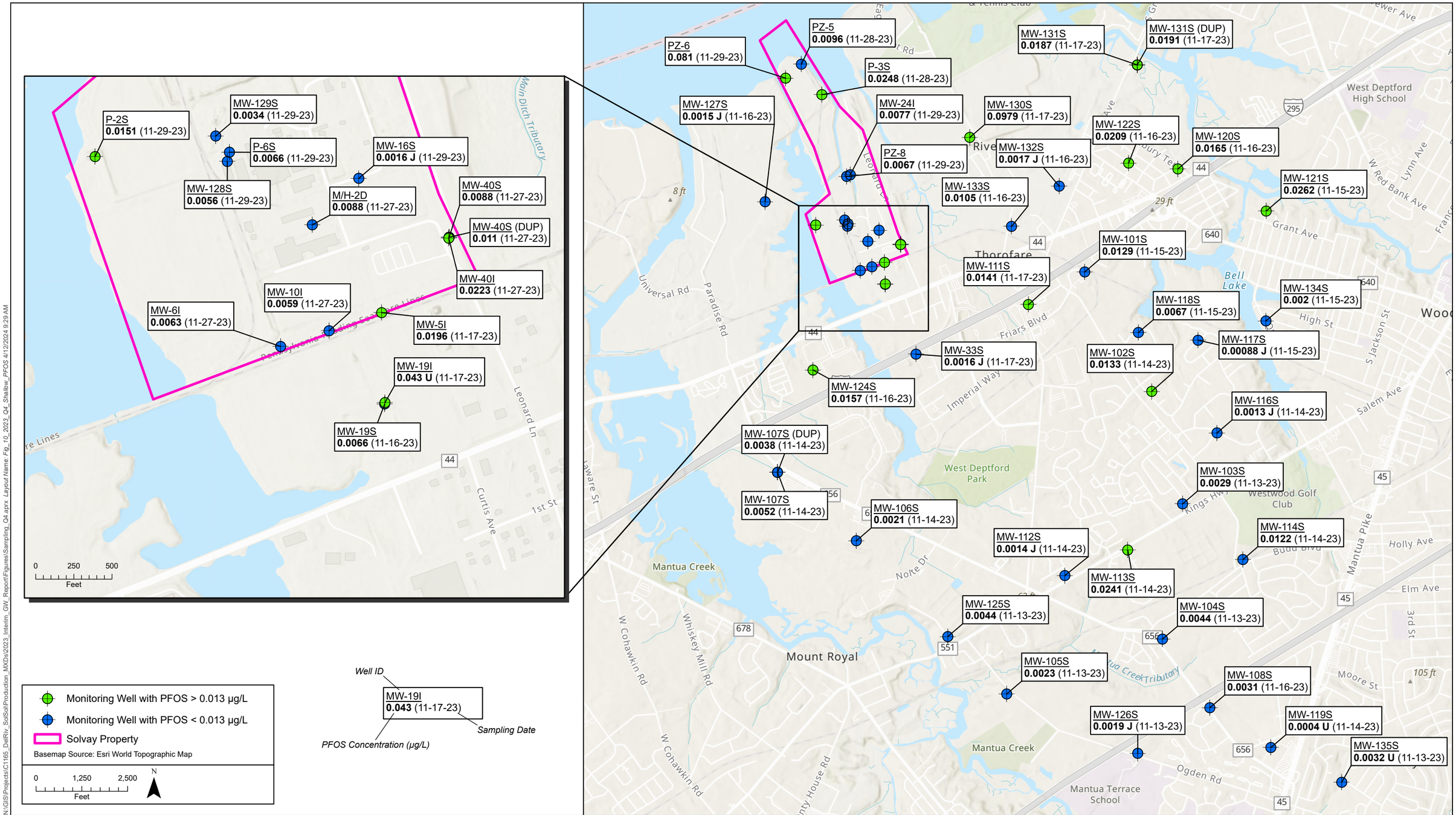
Notes:
1. PFOA concentrations shown in µg/L
2. U = not detected

Figure 9.
X-Series Wells (Middle or Lower PRM)
PFOA Concentrations in Groundwater
(November 2023)



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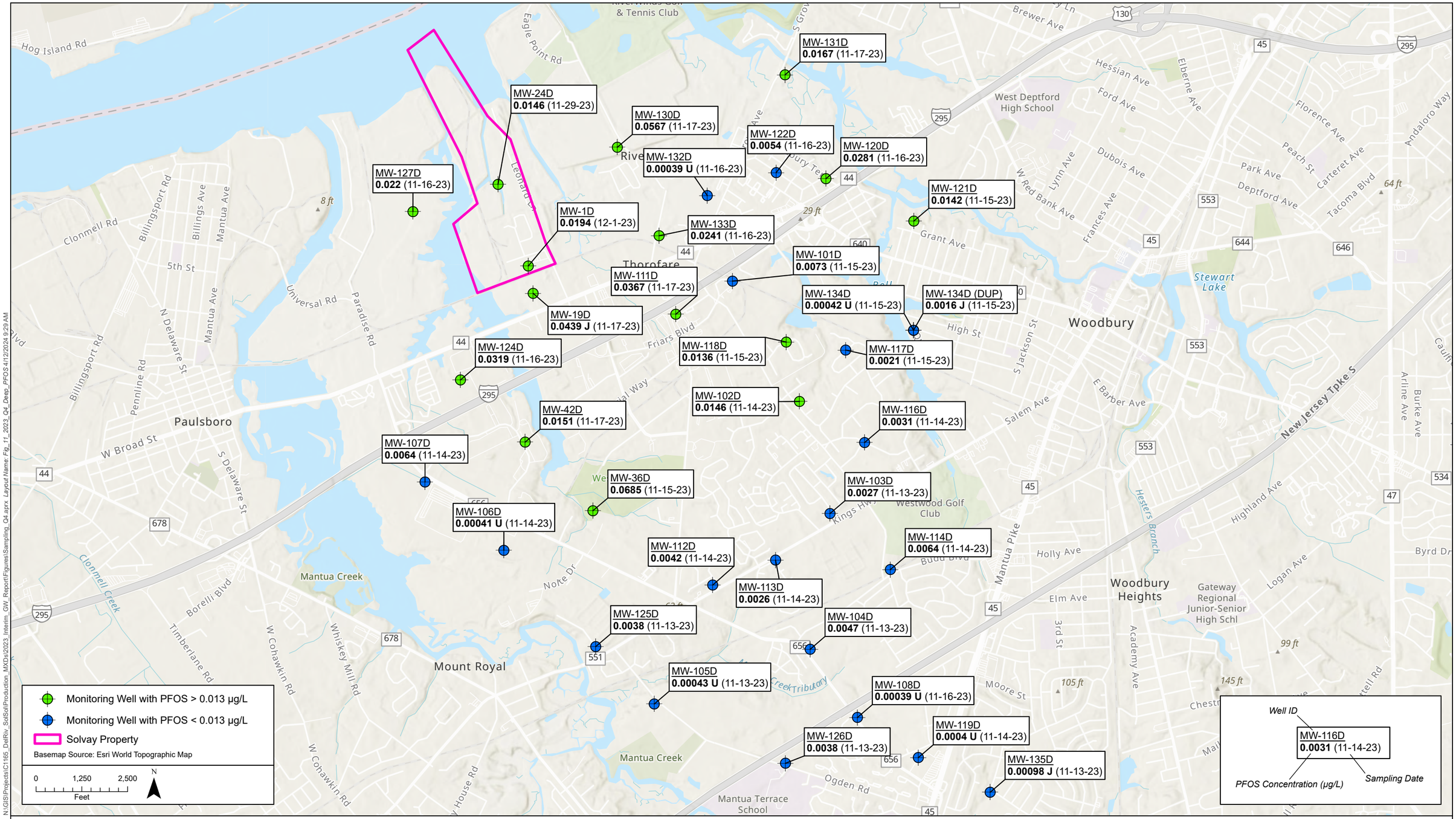
Note:
1. PFOS concentrations shown in µg/L
2. J = estimated value
3. U = not detected
4. DUP = Sample Duplicate

Figure 10.
Shallow and Intermediate Wells (Upper PRM)
PFOS Concentrations in Groundwater
(November 2023)



Notes:
1. PFOS concentrations shown in µg/L
2. J = estimated value
3. U = not detected
4. DUP = Sample Duplicate

Figure 11.
Deep Wells (Upper PRM)
PFOS Concentrations in Groundwater
(November-December 2023)

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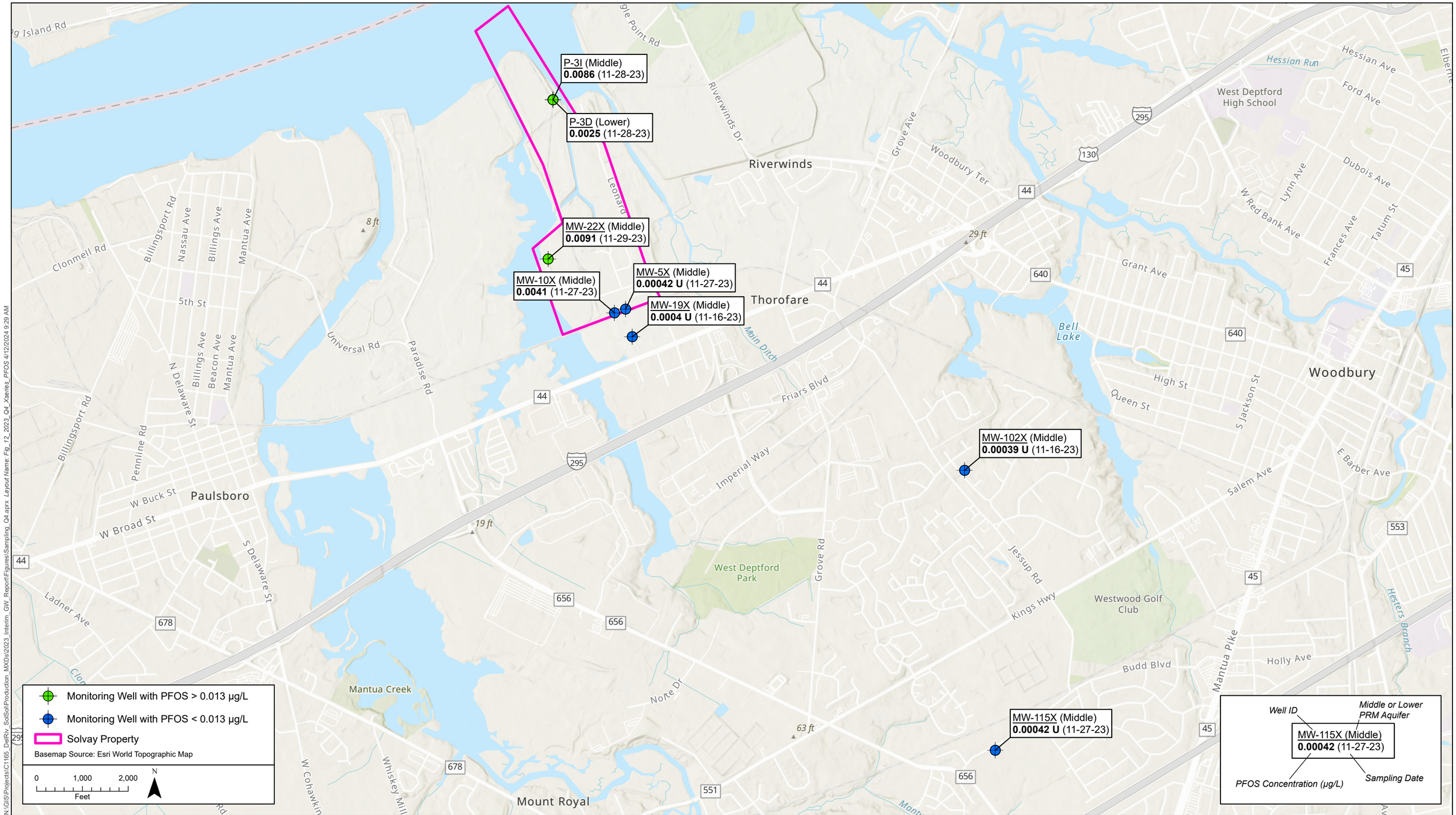

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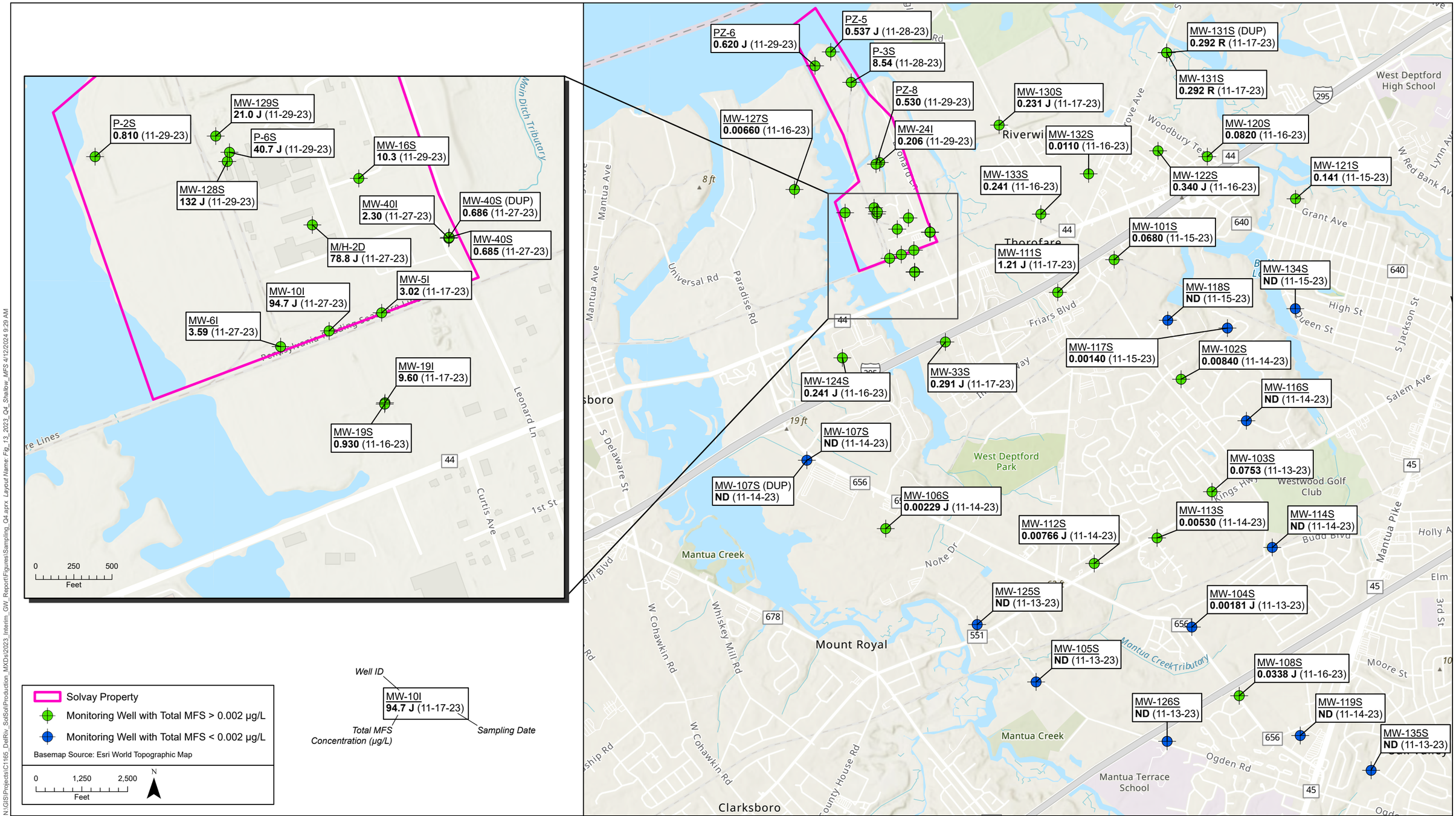
Notes:
1. PFOS concentrations shown in µg/L
2. U = not detected

Figure 12.
X-Series Wells (Middle or Lower PRM)
PFOS Concentrations in Groundwater
(November 2023)



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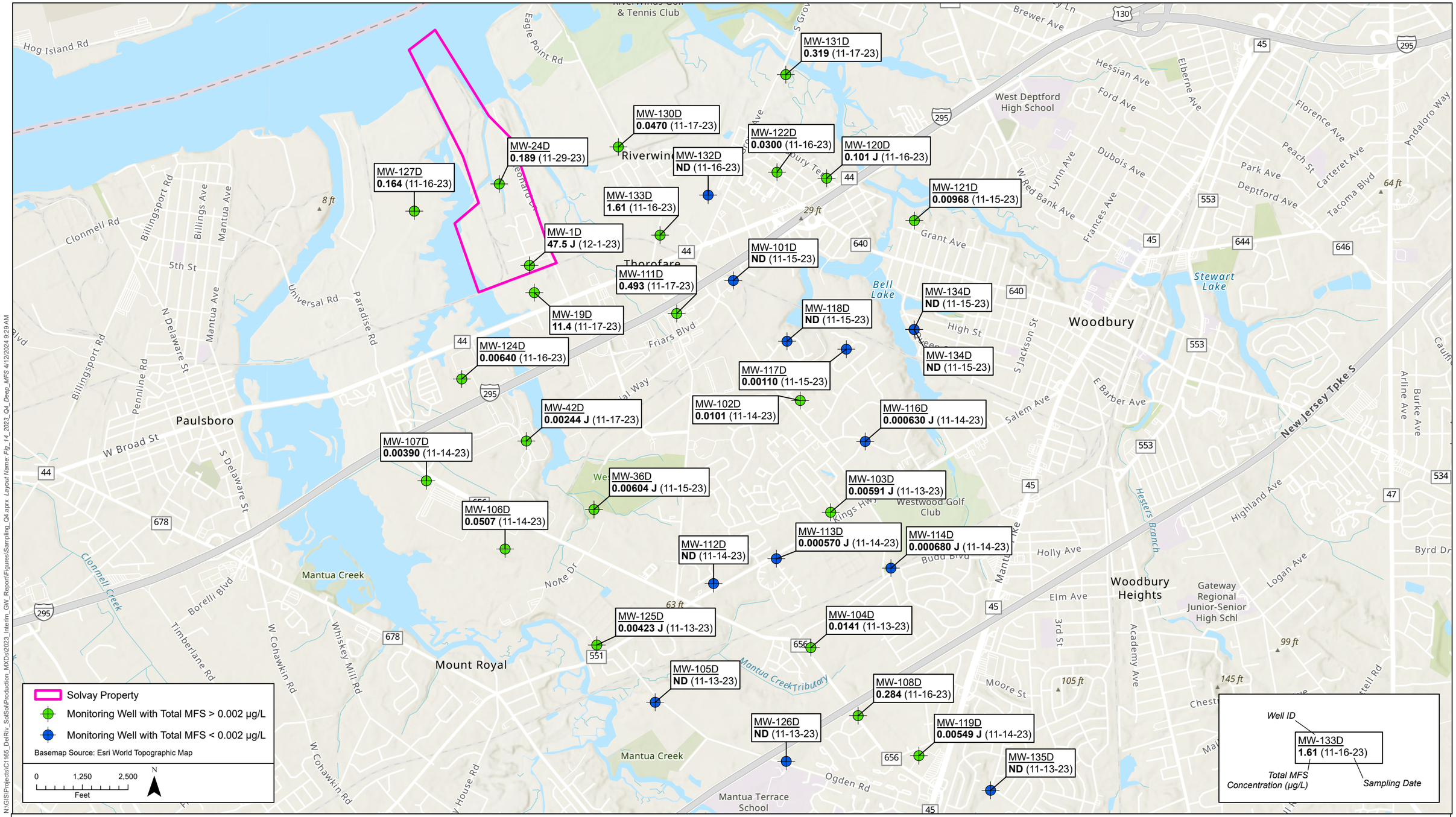
Notes:
1. Total MFS concentrations shown in µg/L.
2. J = estimated value
3. DUP = sample duplicate
4. ND = not detected
5. R = One or more oligomers were rejected in the data validation process. Total represents all acceptable oligomer results.

Figure 13.
Shallow and Intermediate Wells (Upper PRM)
Total MFS Concentrations in Groundwater
(November 2023)



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Notes:
1. Total MFS concentrations shown in µg/L.
2. J = estimated value
3. ND = not detected

Figure 14.
Deep Wells (Upper PRM)
Total MFS Concentrations in Groundwater
(November 2023)

P-3D (Lower)
0.0187 (11-28-23)

P-3I (Middle)
0.480 (11-28-23)

MW-22X (Middle)
0.0810 (11-29-23)

MW-10X (Middle)
0.0294 J (11-27-23)

MW-5X (Middle)
0.0140 (11-27-23)

MW-19X (Middle)
0.203 (11-16-23)

MW-102X (Middle)
0.00177 J (11-16-23)

MW-115X (Middle)
0.00287 J (11-27-23)

Riverwinds
Thorofare
Woodbury
Paulsboro
Mount Royal
West Deptford High School
West Deptford Park
Westwood Golf Club
Bell Lake
Mantua Creek
Main Ditch
Leonard
Riverwinds Dr
Grove Ave
Woodbury Ter
Grant Ave
Friars Blvd
Imperial Way
Grove Rd
Jessup Rd
Kings Hwy
Budd Blvd
Salem Ave
E Barber Ave
Hessian Run
Hessian Ave
Ford Ave
W Red Bank Ave
Lynn Ave
Dubois Ave
Frances Ave
Tatum St
High St
Queen St
S Jackson St
Mantua Pike
Holly Ave
Hester's Branch
Norte Dr
Clonmell Rd
Billingsport Rd
Nassau Ave
Billings Ave
Mantua Ave
5th St
Universal Rd
Paradise Rd
N Delaware St
Beacon Ave
Pennline Rd
W Buck St
W Broad St
S Delaware St
Ladner Ave
W Cohawkin Rd
Whiskey Mill Rd
Eagle Point Rd
8 ft
29 ft
19 ft
63 ft
295
130
44
45
640
678
656
551
553

Monitoring Well with Total MFS > 0.002 µg/L
Monitoring Well with Total MFS < 0.002 µg/L
Solvay Property
Basemap Source: Esri World Topographic Map

0 1,000 2,000 Feet
N

Well ID
Middle or Lower PRM Aquifer
MW-10X (Middle)
0.0294 J (11-27-23)
Total MFS Concentration (µg/L)
Sampling Date

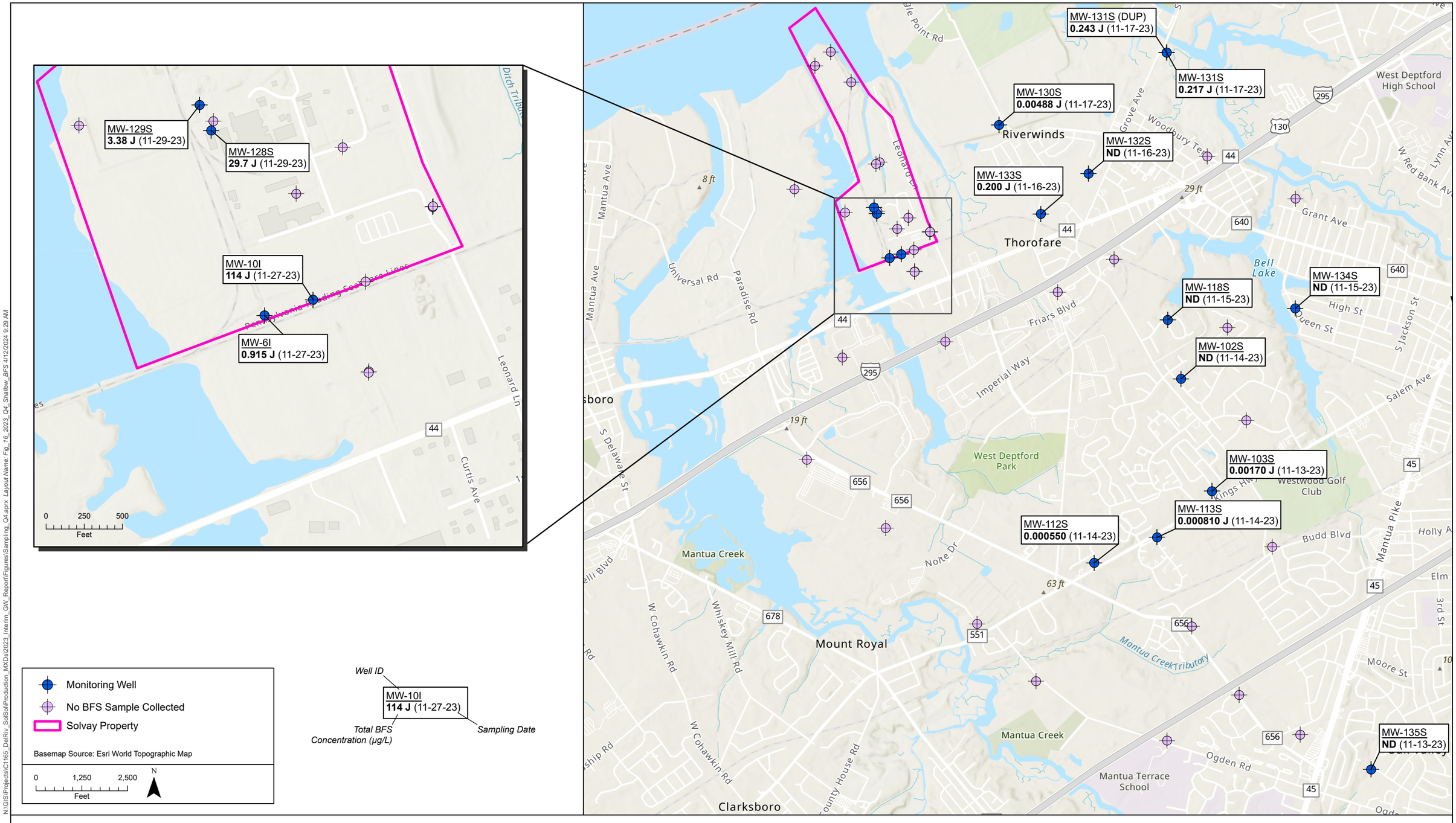
N:\GIS\Projects\C1165_DelRiv_SolSoilProduction_MXDs\2023_Interim_GW_Report\Figures\Sampling_Q4.aprx Layout Name: Fig_15_2023_Q4_Xseries_MFS 4/12/2024 9:29 AM

integral consulting inc.

Privileged and Confidential

Notes:
1. Total MFS concentrations shown in µg/L.
2. J = estimated value

Figure 15.
X-Series Wells (Middle or Lower PRM)
Total MFS Concentrations in Groundwater
(November 2023)



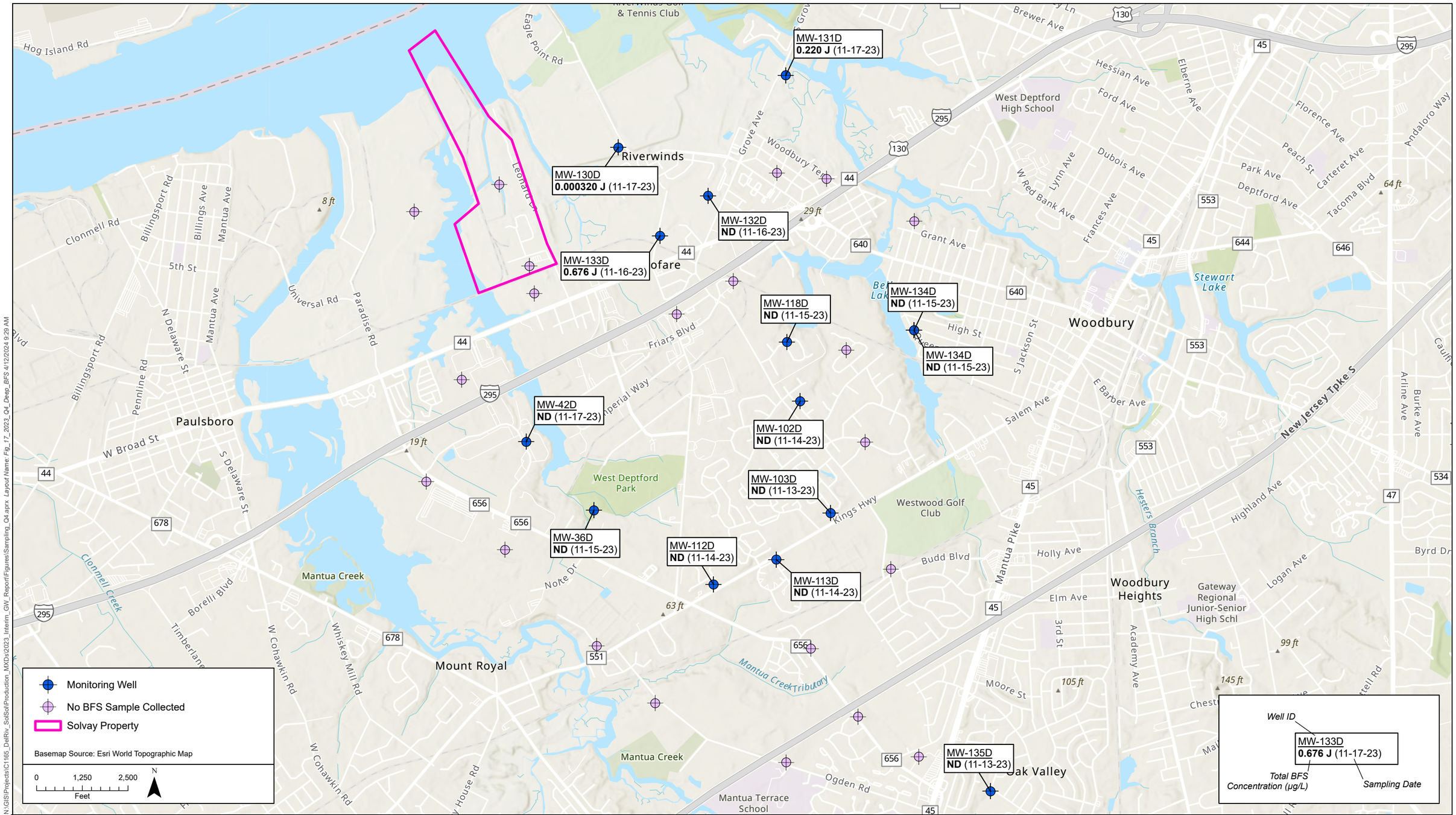
N:\GIS\Projects\C1165_DelRiv_SolSol\Production_MXDs\2023_Interim_GW_Report\Figures\Sampling_Q4.aprx Layout Name: Fig_16_2023_Q4_Shallow_BFS 4/12/2024 9:29 AM

integral consulting inc.

Privileged and Confidential

Notes:
1. Total BFS concentrations shown in µg/L.
2. DUP = sample duplicate
2. J = estimated value
3. ND = not detected

Figure 16.
Shallow and Intermediate Wells (Upper PRM)
Total BFS Concentrations in Groundwater
(November 2023)



N:\GIS\Projects\C1165_DelRiv_SoilSolProduction_MXDs\2023_Interim_GW_Report\Figures\Sampling_Q4.aprx Layout Name: Fig_17_2023_Q4_Deep_BFS 4/12/2024 9:29 AM

integral consulting inc.

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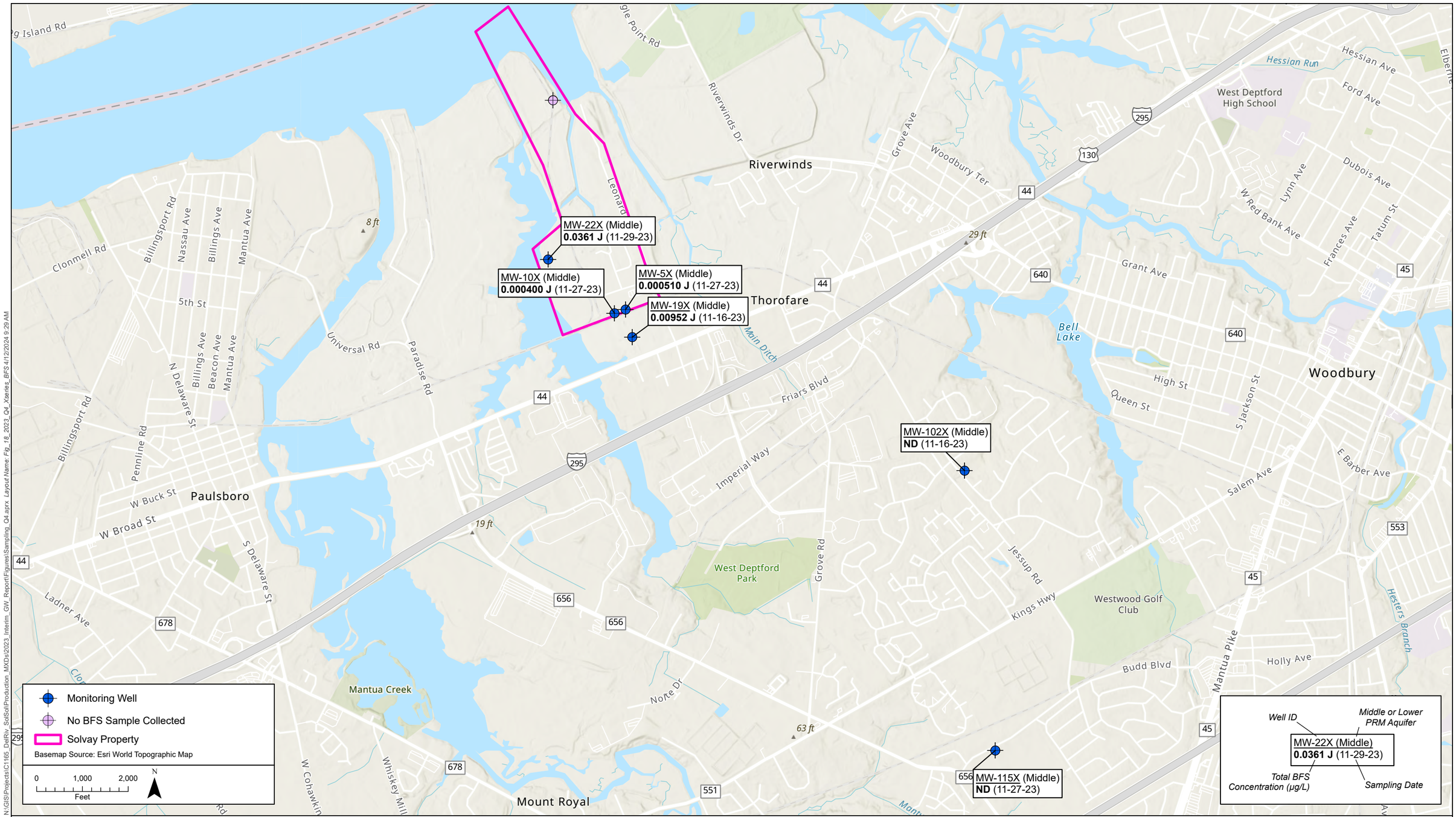
Notes:
1. Total BFS concentrations shown in µg/L.
2. DUP = sample duplicate
3. J = estimated value
4. ND = not detected

Figure 17.
Deep Wells (Upper PRM)
Total BFS Concentrations in Groundwater
(November 2023)



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integral consulting inc.

Privileged and Confidential

Notes:
1. Total BFS concentrations shown in µg/L.
2. J = estimated value
3. ND = not detected

Figure 18.
X-Series Wells (Middle or Lower PRM)
Total BFS Concentrations in Groundwater
(November 2023)

Tables

Table 1. Monitoring Well Groundwater Elevations

Well ID	Designation	Date	Time	Depth to Water (ft)	Groundwater Elevation (ft bgs)
M/H-2D	Intermediate	NA	NA	NM	NM
MW-101D	Deep	NA	NA	NM	NM
MW-101S	Shallow	NA	NA	NM	NM
MW-102D	Deep	12/15/2023	11:49	37.7	-12.683
MW-102S	Shallow	12/15/2023	11:49	38.16	-12.624
MW-102X	Middle PRM	12/15/2023	11:58	46.8	NM
MW-103D	Deep	12/15/2023	10:28	82.07	-16.3775
MW-103S	Shallow	12/15/2023	10:28	81.85	-16.3005
MW-104D	Deep	12/15/2023	9:25	61.36	-19.8486
MW-104S	Shallow	12/15/2023	9:25	61.61	-19.8756
MW-105D	Deep	12/15/2023	9:34	62.53	-17.839
MW-105S	Shallow	12/15/2023	9:32	62.53	-17.7696
MW-106D	Deep	12/15/2023	10:02	66.78	-10.9226
MW-106S	Shallow	12/15/2023	10:05	66.77	-11.0496
MW-107D	Deep	12/15/2023	10:26	27.76	-7.0082
MW-107S	Shallow	12/15/2023	10:29	27.86	-7.0417
MW-108D	Deep	12/15/2023	9:06	76.14	-23.2277
MW-108S	Shallow	12/15/2023	9:06	75.71	-22.7537
MW-109D	Deep	12/15/2023	10:59	57.07	-11.0245
MW-109S	Shallow	12/15/2023	10:59	55.85	-10.0915
MW-10I	Intermediate	NA	NA	NM	NM
MW-10I	Intermediate	NA	NA	NM	NM
MW-10X	Middle PRM	NA	NA	NM	NM
MW-110D	Deep	12/15/2023	11:28	50.49	-12.071
MW-110S	Shallow	12/15/2023	11:28	50.23	-11.693
MW-111D	Deep	12/15/2023	12:39	22.15	-4.227
MW-111S	Shallow	12/15/2023	12:39	22.24	-4.254
MW-112D	Deep	12/15/2023	10:08	76.76	-16.2295
MW-112S	Shallow	12/15/2023	10:08	76.48	-16.5045
MW-113D	Deep	12/15/2023	10:18	64.89	-16.7165
MW-113S	Shallow	12/15/2023	10:18	66.22	-17.5815
MW-114D	Deep	NA	NA	NM	NM
MW-114S	Shallow	NA	NA	NM	NM
MW-114X	Lower PRM	12/15/2023	9:43	81.04	-22.43
MW-115X	Middle PRM	12/15/2023	9:33	72.13	-20.3695
MW-116D	Deep	12/15/2023	10:42	71.79	-14.9425
MW-116S	Shallow	12/15/2023	10:42	71.72	-14.7965
MW-117D	Deep	12/15/2023	12:15	35.01	-10.377
MW-117S	Shallow	12/15/2023	12:15	34.85	-10.266
MW-118D	Deep	12/15/2023	12:26	43.75	-8.9355
MW-118S	Shallow	12/15/2023	12:26	43.53	-8.6625
MW-119D	Deep	12/15/2023	8:52	97.76	-26.0695
MW-119S	Shallow	12/15/2023	8:52	96.56	-24.9415
MW-120D	Deep	12/15/2023	13:34	17.43	-3.982
MW-120S	Shallow	12/15/2023	13:34	17.6	-4.061
MW-121D	Deep	12/15/2023	13:20	26.66	-8.2052

Table 1. Monitoring Well Groundwater Elevations

Well ID	Designation	Date	Time	Depth to Water (ft)	Groundwater Elevation (ft bgs)
MW-121S	Shallow	12/15/2023	13:20	27.43	-8.9562
MW-122D	Deep	12/15/2023	13:48	19.19	-2.4815
MW-122S	Shallow	12/15/2023	13:48	19.21	-2.4605
MW-123D	Lower PRM	12/15/2023	11:48	16.7	-4.957
MW-123I	Middle PRM	12/15/2023	11:50	12.52	-0.759
MW-123S	Shallow	12/15/2023	11:53	11.69	0.058
MW-124D	Deep	12/15/2023	10:50	10.57	-3.5775
MW-124S	Shallow	12/15/2023	10:53	10.6	-3.5435
MW-125D	Deep	12/15/2023	9:45	51.78	-15.857
MW-125S	Shallow	12/15/2023	9:50	51.57	-15.715
MW-126D	Deep	12/15/2023	9:18	62.24	-21.791
MW-126S	Shallow	12/15/2023	9:22	62.42	-21.916
MW-127D	Deep	12/15/2023	8:48	11.67	0.892
MW-127S	Shallow	12/15/2023	8:45	10.98	1.263
MW-128S	Shallow	NA	NA	NM	NM
MW-129S	Shallow	NA	NA	NM	NM
MW-130D	Deep	12/15/2023	12:28	26.11	0.41
MW-130S	Shallow	12/15/2023	12:25	25.97	0.69
MW-131D	Deep	12/15/2023	11:35	8.18	-0.02
MW-131S	Shallow	12/15/2023	11:38	8	0.08
MW-132D	Deep	12/15/2023	11:25	15.22	-3.14
MW-132S	Shallow	12/15/2023	11:23	12.99	-1.14
MW-133D	Deep	12/15/2023	11:11	11.63	-1.21
MW-133S	Shallow	12/15/2023	11:08	11.7	-1.07
MW-134D	Deep	12/15/2023	13:09	25.06	-11.13
MW-134S	Shallow	12/15/2023	13:09	24.6	-10.86
MW-135D	Deep	12/15/2023	8:35	81.45	-27.47
MW-135S	Shallow	12/15/2023	8:35	81.28	-27.12
MW-16S	Shallow	NA	NA	NM	NM
MW-19D	Deep	12/15/2023	13:02	13.91	-1.82
MW-19I	Intermediate	12/15/2023	13:04	14.14	-1.9
MW-19S	Shallow	12/15/2023	13:06	14.51	-2
MW-19X	Middle PRM	12/15/2023	13:08	19.33	-6.59
MW-1D	Deep	NA	NA	NM	NM
MW-22X	Middle PRM	NA	NA	NM	NM
MW-24D	Deep	NA	NA	NM	NM
MW-24I	Intermediate	NA	NA	NM	NM
MW-25IL	Intermediate	NA	NA	NM	NM
MW-25S	Shallow	NA	NA	NM	NM
MW-26D	Deep	NA	NA	NM	NM
MW-26IL	Intermediate	NA	NA	NM	NM
MW-26S	Shallow	NA	NA	NM	NM
MW-27IU	Intermediate	NA	NA	NM	NM
MW-27S	Shallow	NA	NA	NM	NM
MW-28IL	Intermediate	NA	NA	NM	NM
MW-28S	Shallow	NA	NA	NM	NM

Table 1. Monitoring Well Groundwater Elevations

Well ID	Designation	Date	Time	Depth to Water (ft)	Groundwater Elevation (ft bgs)
MW-29IU	Intermediate	NA	NA	NM	NM
MW-29S	Shallow	NA	NA	NM	NM
MW-30D	Deep	NA	NA	NM	NM
MW-30IL	Intermediate	NA	NA	NM	NM
MW-30IU	Intermediate	NA	NA	NM	NM
MW-30S	Shallow	NA	NA	NM	NM
MW-31IU	Intermediate	NA	NA	NM	NM
MW-31S	Shallow	NA	NA	NM	NM
MW-33S	Shallow	12/15/2023	13:18	19.07	-4.53
MW-34D	Deep	NA	NA	NM	NM
MW-34IL	Intermediate	NA	NA	NM	NM
MW-35D	Deep	NA	NA	NM	NM
MW-35I	Intermediate	NA	NA	NM	NM
MW-36D	Deep	12/15/2023	13:30	41.99	-11.6395
MW-37D	Deep	NA	NA	NM	NM
MW-37S	Shallow	NA	NA	NM	NM
MW-38D	Deep	NA	NA	NM	NM
MW-39D	Deep	NA	NA	NM	NM
MW-39I	Intermediate	NA	NA	NM	NM
MW-39S	Shallow	NA	NA	NM	NM
MW-40I	Intermediate	12/15/2023	12:40	12.5	-0.32
MW-40S	Shallow	12/15/2023	12:45	12.46	-0.22
MW-41D	Deep	NA	NA	NM	NM
MW-42D	Deep	12/15/2023	10:16	29.76	-7.06
MW-43D	Deep	NA	NA	NM	NM
MW-43I	Intermediate	NA	NA	NM	NM
MW-5I	Intermediate	12/15/2023	12:55	14.06	-1.1
MW-5X	Middle PRM	NA	NA	NM	NM
MW-6I	Intermediate	NA	NA	NM	NM
P-2S	Shallow	NA	NA	NM	NM
P-3D	Lower PRM	NA	NA	NM	NM
P-3I	Middle PRM	NA	NA	NM	NM
P-3S	Shallow	NA	NA	NM	NM
P-6S	Shallow	NA	NA	NM	NM
PZ-5	Shallow	NA	NA	NM	NM
PZ-6	Shallow	NA	NA	NM	NM
PZ-8	Shallow	NA	NA	NM	NM

Notes:
bgs = below ground surface
ft = feet
NM = not measured
NA = not applicable

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
M/H-1D	Main Plant Area	Deep	03/13/2014	GW0001_20140313	**2460**	**2.46**	
M/H-1D	Main Plant Area	Deep	03/20/2019	MH-1D_20190320	**1290**	**1.29**	
M/H-2D	Main Plant Area	Intermediate	03/11/2014	GW0002_20140311	**482000**	**482**	J
M/H-2D	Main Plant Area	Intermediate	03/20/2019	MH-2D_20190320	**113000**	**113**	
M/H-2D	Main Plant Area	Intermediate	09/29/2020	MH2D_092920	**59300**	**59.3**	
M/H-2D	Main Plant Area	Intermediate	10/20/2022	M/H-2D	**192000**	**192**	
M/H-2D	Main Plant Area	Intermediate	03/09/2023	M/H-2D	**117000**	**117**	
M/H-2D	Main Plant Area	Intermediate	06/27/2023	M/H-2D	**114000**	**114**	
M/H-2D	Main Plant Area	Intermediate	08/22/2023	M/H-2D	**68700**	**68.7**	
M/H-2D	Main Plant Area	Intermediate	09/13/2023	M/H-2D	**69800**	**69.8**	
M/H-2D	Main Plant Area	Intermediate	11/27/2023	M/H-2D	**41400**	**41.4**	
M/H-4	Main Plant Area	Shallow	03/14/2014	GW0003_20140314	**10300**	**10.3**	
M/H-4	Main Plant Area	Shallow	03/26/2019	MH-4_20190326	**5560**	**5.56**	
M/H-4D	Main Plant Area	Intermediate	03/13/2014	GW0004_20140313	**12600**	**12.6**	
M/H-4D	Main Plant Area	Intermediate	03/26/2019	MH-4D_20190326	**7640**	**7.64**	
M/H-6D	Main Plant Area	Intermediate	03/14/2014	GW0005_20140314	**830**	**0.83**	
M/H-6D	Main Plant Area	Intermediate	03/27/2019	MH-6D_20190327	**562**	**0.562**	
M/H-7D	Main Plant Area	Intermediate	03/11/2014	GW0006_20140311	**7250**	**7.25**	
M/H-7D	Main Plant Area	Intermediate	03/20/2019	MH-7D_20190320	**2640**	**2.64**	
MW-1	Main Plant Area	Shallow	03/12/2014	GW0007_20140312	**11300**	**11.3**	
MW-1	Main Plant Area	Shallow	03/21/2019	MW-1_20190321	**2330**	**2.33**	
MW-101D	Offsite Wells	Deep	09/14/2016	GW-124	**49**	**0.049**	
MW-101D	Offsite Wells	Deep	12/17/2018	MW-101D-12172018	**108**	**0.108**	
MW-101D	Offsite Wells	Deep	09/25/2020	MW-101D_092520	**117**	**0.117**	
MW-101D	Offsite Wells	Deep	01/11/2022	MW-101D_RI2022	**138**	**0.138**	
MW-101D	Offsite Wells	Deep	06/23/2023	MW-101D	**140**	**0.14**	
MW-101D	Offsite Wells	Deep	08/17/2023	MW-101D	**145**	**0.145**	
MW-101D	Offsite Wells	Deep	11/15/2023	MW-101D	**140**	**0.14**	
MW-101S	Offsite Wells	Shallow	09/14/2016	GW-123	**80**	**0.08**	
MW-101S	Offsite Wells	Shallow	12/17/2018	MW-101S-12172018	**96.5**	**0.0965**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-101S	Offsite Wells	Shallow	12/17/2018	MW-101S-12172018-DUP	**93.3**	**0.0933**	
MW-101S	Offsite Wells	Shallow	09/25/2020	MW-101S_092520	**77.7**	**0.0777**	
MW-101S	Offsite Wells	Shallow	01/11/2022	MW-101S_RI2022	**79.9**	**0.0799**	
MW-101S	Offsite Wells	Shallow	06/23/2023	MW-101S	**112**	**0.112**	
MW-101S	Offsite Wells	Shallow	08/16/2023	MW-101S	**1170**	**1.17**	
MW-101S	Offsite Wells	Shallow	11/15/2023	MW-101S	**105**	**0.105**	
MW-102D	Offsite Wells	Deep	09/21/2016	GW-171	**240**	**0.24**	
MW-102D	Offsite Wells	Deep	09/10/2018	102D-09102018-GW	**108**	**0.108**	
MW-102D	Offsite Wells	Deep	12/20/2018	MW-102D-12202018	**154**	**0.154**	
MW-102D	Offsite Wells	Deep	09/23/2020	MW-102D_092320	**272**	**0.272**	
MW-102D	Offsite Wells	Deep	01/12/2022	MW-102D_RI2022	**260**	**0.26**	
MW-102D	Offsite Wells	Deep	09/13/2022	MW-102D	**286**	**0.286**	
MW-102D	Offsite Wells	Deep	03/07/2023	MW-102D	**293**	**0.293**	
MW-102D	Offsite Wells	Deep	06/22/2023	MW-102D	**147**	**0.147**	
MW-102D	Offsite Wells	Deep	08/15/2023	MW-102D	**261**	**0.261**	
MW-102D	Offsite Wells	Deep	11/14/2023	MW-102D	**312**	**0.312**	
MW-102S	Offsite Wells	Shallow	09/21/2016	GW-170	**370**	**0.37**	
MW-102S	Offsite Wells	Shallow	09/10/2018	102S-09102018-GW	**443**	**0.443**	
MW-102S	Offsite Wells	Shallow	12/20/2018	MW-102S-12202018	**359**	**0.359**	
MW-102S	Offsite Wells	Shallow	09/23/2020	MW-102S_092320	**354**	**0.354**	
MW-102S	Offsite Wells	Shallow	01/12/2022	MW-102S_RI2022	**394**	**0.394**	
MW-102S	Offsite Wells	Shallow	09/13/2022	MW-102S	**347**	**0.347**	
MW-102S	Offsite Wells	Shallow	03/07/2023	MW-102S	**368**	**0.368**	
MW-102S	Offsite Wells	Shallow	06/22/2023	MW-102S	**296**	**0.296**	
MW-102S	Offsite Wells	Shallow	08/15/2023	MW-102S	**350**	**0.35**	
MW-102S	Offsite Wells	Shallow	11/14/2023	MW-102S	**360**	**0.36**	
MW-102X	Offsite Wells	Middle PRM	04/06/2023	MW-102X	0.73	0.00073	J
MW-102X	Offsite Wells	Middle PRM	04/06/2023	MW-102X	0.7	0.0007	J
MW-102X	Offsite Wells	Middle PRM	08/09/2023	MW-102X	0.65	0.00065	J

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-102X	Offsite Wells	Middle PRM	11/16/2023	MW-102X	0.49	0.00049	J
MW-103D	Offsite Wells	Deep	09/15/2016	GW-110	**71**	**0.071**	
MW-103D	Offsite Wells	Deep	12/20/2018	MW-103D12202018	**30.2**	**0.0302**	
MW-103D	Offsite Wells	Deep	09/24/2020	MW-103D_092420	**35.6**	**0.0356**	
MW-103D	Offsite Wells	Deep	01/12/2022	MW-103D_RI2022	**38.2**	**0.0382**	
MW-103D	Offsite Wells	Deep	09/14/2022	MW-103D	**59.1**	**0.0591**	
MW-103D	Offsite Wells	Deep	03/14/2023	MW-103D	**47.7**	**0.0477**	
MW-103D	Offsite Wells	Deep	06/23/2023	MW-103D	**40.3**	**0.0403**	
MW-103D	Offsite Wells	Deep	06/23/2023	MW-103D	**35.5**	**0.0355**	
MW-103D	Offsite Wells	Deep	08/14/2023	MW-103D	**40.3**	**0.0403**	
MW-103D	Offsite Wells	Deep	11/13/2023	MW-103D	**55.1**	**0.0551**	
MW-103S	Offsite Wells	Shallow	09/15/2016	GW-109	**330**	**0.33**	
MW-103S	Offsite Wells	Shallow	12/20/2018	MW-103S-12202018	**473**	**0.473**	
MW-103S	Offsite Wells	Shallow	09/24/2020	MW-103S_092420	**338**	**0.338**	
MW-103S	Offsite Wells	Shallow	01/12/2022	MW-103S_RI2022	**24.6**	**0.0246**	
MW-103S	Offsite Wells	Shallow	09/14/2022	MW-103S	**701**	**0.701**	
MW-103S	Offsite Wells	Shallow	09/14/2022	DUP_09.14.2022	**609**	**0.609**	
MW-103S	Offsite Wells	Shallow	03/14/2023	MW-103S	**242**	**0.242**	
MW-103S	Offsite Wells	Shallow	06/23/2023	MW-103S	**39.5**	**0.0395**	
MW-103S	Offsite Wells	Shallow	06/23/2023	MW-103S	**19.6**	**0.0196**	
MW-103S	Offsite Wells	Shallow	06/23/2023	DUP_062323	**16.9**	**0.0169**	
MW-103S	Offsite Wells	Shallow	08/14/2023	MW-103S	**39.5**	**0.0395**	
MW-103S	Offsite Wells	Shallow	11/13/2023	MW-103S	**34.7**	**0.0347**	
MW-104D	Offsite Wells	Deep	09/15/2016	GW-108	**380**	**0.38**	
MW-104D	Offsite Wells	Deep	12/20/2018	MW-104D12202018	**717**	**0.717**	
MW-104D	Offsite Wells	Deep	09/24/2020	MW-104D_092420	**111**	**0.111**	
MW-104D	Offsite Wells	Deep	01/14/2022	MW-104D_RI2022	**511**	**0.511**	
MW-104D	Offsite Wells	Deep	09/13/2022	MW-104D	**445**	**0.445**	
MW-104D	Offsite Wells	Deep	11/08/2022	MW-104D	**506**	**0.506**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-104D	Offsite Wells	Deep	03/08/2023	MW-104D	**617**	**0.617**	
MW-104D	Offsite Wells	Deep	06/20/2023	MW-104D	**13.4**	**0.0134**	
MW-104D	Offsite Wells	Deep	08/15/2023	MW-104D	**633**	**0.633**	
MW-104D	Offsite Wells	Deep	11/13/2023	MW-104D	**604**	**0.604**	
MW-104S	Offsite Wells	Shallow	09/15/2016	GW-107	**680**	**0.68**	
MW-104S	Offsite Wells	Shallow	12/20/2018	MW-104S-12202018	**614**	**0.614**	J
MW-104S	Offsite Wells	Shallow	09/24/2020	MW-104S_092420	**499**	**0.499**	
MW-104S	Offsite Wells	Shallow	01/14/2022	MW-104S_RI2022	**50.5**	**0.0505**	
MW-104S	Offsite Wells	Shallow	09/13/2022	MW-104S	**280**	**0.28**	
MW-104S	Offsite Wells	Shallow	11/08/2022	MW-104S	**241**	**0.241**	
MW-104S	Offsite Wells	Shallow	03/08/2023	MW-104S	**549**	**0.549**	
MW-104S	Offsite Wells	Shallow	06/20/2023	MW-104S	**22.1**	**0.0221**	
MW-104S	Offsite Wells	Shallow	08/15/2023	MW-104S	**740**	**0.74**	
MW-104S	Offsite Wells	Shallow	11/13/2023	MW-104S	**48.1**	**0.0481**	
MW-105D	Offsite Wells	Deep	09/14/2016	GW-112	9.5	0.0095	J
MW-105D	Offsite Wells	Deep	12/19/2018	MW-105D-12192018	6.76	0.00676	J
MW-105D	Offsite Wells	Deep	09/23/2020	MW-105D_092320	8.1	0.0081	
MW-105D	Offsite Wells	Deep	09/12/2022	MW-105D	**15.8**	**0.0158**	
MW-105D	Offsite Wells	Deep	03/07/2023	MW-105D	**23.2**	**0.0232**	
MW-105D	Offsite Wells	Deep	06/19/2023	MW-105D	**23.4**	**0.0234**	
MW-105D	Offsite Wells	Deep	08/14/2023	MW-105D	**28.9**	**0.0289**	
MW-105D	Offsite Wells	Deep	11/13/2023	MW-105D	10.3	0.0103	
MW-105S	Offsite Wells	Shallow	09/16/2016	GW-111	12	0.012	
MW-105S	Offsite Wells	Shallow	12/19/2018	MW-105S-12192018	**15**	**0.015**	
MW-105S	Offsite Wells	Shallow	09/23/2020	MW-105S_092320	**18.3**	**0.0183**	
MW-105S	Offsite Wells	Shallow	09/12/2022	MW-105S	**21.9**	**0.0219**	
MW-105S	Offsite Wells	Shallow	03/07/2023	MW-105S	**25.8**	**0.0258**	
MW-105S	Offsite Wells	Shallow	06/19/2023	MW-105S	**13.5**	**0.0135**	
MW-105S	Offsite Wells	Shallow	08/14/2023	MW-105S	**17.8**	**0.0178**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-105S	Offsite Wells	Shallow	11/13/2023	MW-105S	**26.4**	**0.0264**	
MW-106D	Offsite Wells	Deep	12/19/2018	MW-106D-12192018	5.46	0.00546	J
MW-106D	Offsite Wells	Deep	12/03/2020	MW-106D_120320	7.1	0.0071	
MW-106D	Offsite Wells	Deep	01/27/2022	MW-106D_RI2022	8.9	0.0089	
MW-106D	Offsite Wells	Deep	09/16/2022	MW-106D	9.4	0.0094	
MW-106D	Offsite Wells	Deep	11/09/2022	MW-106D	11.7	0.0117	
MW-106D	Offsite Wells	Deep	03/14/2023	MW-106D	8.7	0.0087	
MW-106D	Offsite Wells	Deep	06/20/2023	MW-106D	13	0.013	
MW-106D	Offsite Wells	Deep	08/15/2023	MW-106D	**15.5**	**0.0155**	
MW-106D	Offsite Wells	Deep	11/14/2023	MW-106D	10	0.01	
MW-106S	Offsite Wells	Shallow	12/19/2018	MW-106S-12192018	8.83	0.00883	
MW-106S	Offsite Wells	Shallow	09/23/2020	MW-106S_092320	7.8	0.0078	
MW-106S	Offsite Wells	Shallow	01/27/2022	DUP-1_012722_RI2022	4.7	0.0047	
MW-106S	Offsite Wells	Shallow	01/27/2022	MW-106S_RI2022	4.3	0.0043	
MW-106S	Offsite Wells	Shallow	09/16/2022	MW-106S	6	0.006	
MW-106S	Offsite Wells	Shallow	11/09/2022	MW-106S	10.2	0.0102	
MW-106S	Offsite Wells	Shallow	03/14/2023	MW-106S	**13.3**	**0.0133**	
MW-106S	Offsite Wells	Shallow	06/20/2023	MW-106S	**14.4**	**0.0144**	
MW-106S	Offsite Wells	Shallow	08/15/2023	MW-106S	**14.3**	**0.0143**	
MW-106S	Offsite Wells	Shallow	11/14/2023	MW-106S	**16**	**0.016**	
MW-107D	Offsite Wells	Deep	09/20/2016	GW-149	**550**	**0.55**	
MW-107D	Offsite Wells	Deep	12/18/2018	MW-107D-12182018	**415**	**0.415**	
MW-107D	Offsite Wells	Deep	09/24/2020	MW-107D_092420	**394**	**0.394**	
MW-107D	Offsite Wells	Deep	01/27/2022	MW-107D_RI2022	**1300**	**1.3**	
MW-107D	Offsite Wells	Deep	09/19/2022	MW-107D	**1130**	**1.13**	
MW-107D	Offsite Wells	Deep	03/06/2023	MW-107D	**1540**	**1.54**	
MW-107D	Offsite Wells	Deep	06/20/2023	MW-107D	**1090**	**1.09**	
MW-107D	Offsite Wells	Deep	08/15/2023	MW-107D	**1500**	**1.5**	
MW-107D	Offsite Wells	Deep	11/14/2023	MW-107D	**1450**	**1.45**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-107S	Offsite Wells	Shallow	09/20/2016	GW-148	**220**	**0.22**	
MW-107S	Offsite Wells	Shallow	12/18/2018	MW-107S-12182018	**310**	**0.31**	
MW-107S	Offsite Wells	Shallow	09/24/2020	MW-107S_092420	**382**	**0.382**	
MW-107S	Offsite Wells	Shallow	09/24/2020	DUP-2_092420	**378**	**0.378**	
MW-107S	Offsite Wells	Shallow	01/27/2022	MW-107S_RI2022	**482**	**0.482**	
MW-107S	Offsite Wells	Shallow	09/19/2022	MW-107S	**612**	**0.612**	
MW-107S	Offsite Wells	Shallow	03/06/2023	MW-107S	**782**	**0.782**	
MW-107S	Offsite Wells	Shallow	06/20/2023	MW-107S	**913**	**0.913**	
MW-107S	Offsite Wells	Shallow	08/15/2023	MW-107S	**845**	**0.845**	
MW-107S	Offsite Wells	Shallow	11/14/2023	DUP_111423	**799**	**0.799**	
MW-107S	Offsite Wells	Shallow	11/14/2023	MW-107S	**871**	**0.871**	
MW-108D	Offsite Wells	Middle PRM	01/31/2017	GW0002	0.51	0.00051	U
MW-108D	Offsite Wells	Middle PRM	01/31/2017	GW0003	0.51	0.00051	U
MW-108D	Offsite Wells	Middle PRM	12/18/2018	MW-108D12182018	2.1	0.0021	U
MW-108D	Offsite Wells	Middle PRM	10/02/2019	MW108_10_2_2019	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	09/22/2020	MW-108D_092220	2.2	0.0022	J
MW-108D	Offsite Wells	Middle PRM	01/10/2022	MW-108D	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	09/12/2022	MW-108D	2.3	0.0023	U
MW-108D	Offsite Wells	Middle PRM	11/07/2022	MW-108D	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	06/19/2023	MW-108D	0.55	0.00055	U
MW-108D	Offsite Wells	Middle PRM	08/14/2023	MW-108D	0.57	0.00057	J
MW-108D	Offsite Wells	Middle PRM	11/16/2023	MW-108D	0.57	0.00057	J
MW-108S	Offsite Wells	Shallow	01/31/2017	GW0001	**22**	**0.022**	
MW-108S	Offsite Wells	Shallow	12/17/2018	MW108S-12172018	**163**	**0.163**	
MW-108S	Offsite Wells	Shallow	09/22/2020	MW-108S_092220	**57.9**	**0.0579**	
MW-108S	Offsite Wells	Shallow	01/10/2022	MW-108S	**94.3**	**0.0943**	
MW-108S	Offsite Wells	Shallow	09/12/2022	MW-108S	**154**	**0.154**	
MW-108S	Offsite Wells	Shallow	11/07/2022	MW-108S	**212**	**0.212**	
MW-108S	Offsite Wells	Shallow	06/19/2023	MW-108S	**249**	**0.249**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-108S	Offsite Wells	Shallow	08/14/2023	MW-108S	**351**	**0.351**	
MW-108S	Offsite Wells	Shallow	11/16/2023	MW-108S	**303**	**0.303**	
MW-109D	Offsite Wells	Deep	09/11/2018	109D-09112018-GW	**45.1**	**0.0451**	
MW-109D	Offsite Wells	Deep	12/18/2018	MW-109D12182018	**42.2**	**0.0422**	
MW-109D	Offsite Wells	Deep	01/13/2022	MW-109D_RI2022	**103**	**0.103**	
MW-109D	Offsite Wells	Deep	09/15/2022	MW-109D	**93.2**	**0.0932**	
MW-109D	Offsite Wells	Deep	03/11/2023	MW-109D	**102**	**0.102**	
MW-109D	Offsite Wells	Deep	06/27/2023	MW-109D	**188**	**0.188**	
MW-109D	Offsite Wells	Deep	08/16/2023	MW-109D	**133**	**0.133**	
MW-109D	Offsite Wells	Deep	08/16/2023	DUP_081623	**139**	**0.139**	
MW-109S	Offsite Wells	Shallow	09/11/2018	109S-09112018-GW	**2510**	**2.51**	J
MW-109S	Offsite Wells	Shallow	09/28/2020	MW-109S_092820	**1760**	**1.76**	
MW-109S	Offsite Wells	Shallow	01/13/2022	MW-109S_RI2022	**2440**	**2.44**	
MW-109S	Offsite Wells	Shallow	09/15/2022	MW-109S	**2150**	**2.15**	
MW-109S	Offsite Wells	Shallow	03/11/2023	MW-109S	**3570**	**3.57**	
MW-109S	Offsite Wells	Shallow	06/27/2023	MW-109S	**4300**	**4.3**	
MW-109S	Offsite Wells	Shallow	08/16/2023	MW-109S	**2380**	**2.38**	
MW-10I	Main Plant Area	Intermediate	03/13/2014	GW0009_20140313	**123000**	**123**	
MW-10I	Main Plant Area	Intermediate	03/21/2019	MW-10I_20190321	**44400**	**44.4**	
MW-10I	Main Plant Area	Intermediate	11/01/2022	MW-10I	**57700**	**57.7**	
MW-10I	Main Plant Area	Intermediate	03/13/2023	MW-10I	**67800**	**67.8**	
MW-10I	Main Plant Area	Intermediate	06/26/2023	MW-10I	**80600**	**80.6**	
MW-10I	Main Plant Area	Intermediate	08/22/2023	MW-10I	**91400**	**91.4**	
MW-10I	Main Plant Area	Intermediate	09/13/2023	MW-10I	**96100**	**96.1**	
MW-10I	Main Plant Area	Intermediate	11/27/2023	MW-10I	**103000**	**103**	
MW-10S	Main Plant Area	Shallow	03/13/2014	GW0010_20140313	**3540**	**3.54**	
MW-10S	Main Plant Area	Shallow	03/21/2019	MW-10S_20190321	**7960**	**7.96**	
MW-10X	Main Plant Area	Middle PRM	03/12/2014	GW0011_20140312	**15**	**0.015**	U
MW-10X	Main Plant Area	Middle PRM	09/19/2016	GW-147	**52**	**0.052**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-10X	Main Plant Area	Middle PRM	09/30/2019	MW10X-093019	**15.5**	**0.0155**	
MW-10X	Main Plant Area	Middle PRM	04/04/2023	MW-10X	**33.8**	**0.0338**	
MW-10X	Main Plant Area	Middle PRM	08/09/2023	MW-10X	**28.1**	**0.0281**	
MW-10X	Main Plant Area	Middle PRM	11/27/2023	MW-10X	**32.5**	**0.0325**	
MW-110D	Offsite Wells	Deep	09/11/2018	110D-09112018-GW	**987**	**0.987**	
MW-110D	Offsite Wells	Deep	09/28/2020	MW-110D_092820	**1240**	**1.24**	
MW-110D	Offsite Wells	Deep	01/27/2022	MW-110D_RI2022	**1380**	**1.38**	
MW-110D	Offsite Wells	Deep	09/13/2022	MW-110D	**1570**	**1.57**	
MW-110D	Offsite Wells	Deep	08/16/2023	MW-110D	**2580**	**2.58**	
MW-110S	Offsite Wells	Shallow	09/11/2018	110S-09112018-GW	**2330**	**2.33**	
MW-110S	Offsite Wells	Shallow	09/28/2020	MW-110S_092820	**1730**	**1.73**	
MW-110S	Offsite Wells	Shallow	01/27/2022	MW-110S_RI2022	**1870**	**1.87**	
MW-110S	Offsite Wells	Shallow	09/13/2022	MW-110S	**2060**	**2.06**	
MW-111D	Offsite Wells	Deep	12/20/2018	MW-111D-12202018	**1310**	**1.31**	
MW-111D	Offsite Wells	Deep	10/01/2020	MW-111D_100120	**2340**	**2.34**	
MW-111D	Offsite Wells	Deep	01/13/2022	MW-111D_RI2022	**2360**	**2.36**	
MW-111D	Offsite Wells	Deep	09/13/2022	MW-111D	**2360**	**2.36**	
MW-111D	Offsite Wells	Deep	03/11/2023	MW-111D	**3130**	**3.13**	
MW-111D	Offsite Wells	Deep	06/27/2023	MW-111D	**3360**	**3.36**	
MW-111D	Offsite Wells	Deep	08/16/2023	MW-111D	**3400**	**3.4**	
MW-111D	Offsite Wells	Deep	11/17/2023	MW-111D	**2810**	**2.81**	
MW-111S	Offsite Wells	Shallow	12/20/2018	DUP-12202018	**834**	**0.834**	
MW-111S	Offsite Wells	Shallow	12/20/2018	MW-111S-12202018	**728**	**0.728**	
MW-111S	Offsite Wells	Shallow	10/01/2020	MW-111S_100120	**704**	**0.704**	
MW-111S	Offsite Wells	Shallow	10/01/2020	DUP-3_100120	**563**	**0.563**	
MW-111S	Offsite Wells	Shallow	01/13/2022	MW-111S_RI2022	**562**	**0.562**	
MW-111S	Offsite Wells	Shallow	09/13/2022	MW-111S	**658**	**0.658**	
MW-111S	Offsite Wells	Shallow	03/11/2023	MW-111S	**696**	**0.696**	
MW-111S	Offsite Wells	Shallow	06/27/2023	DUP_062723	**803**	**0.803**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-111S	Offsite Wells	Shallow	06/27/2023	MW-111S	**755**	**0.755**	
MW-111S	Offsite Wells	Shallow	08/16/2023	MW-111S	**691**	**0.691**	
MW-111S	Offsite Wells	Shallow	11/17/2023	MW-111S	**715**	**0.715**	
MW-112D	Offsite Wells	Deep	12/20/2018	MW-112D-12202018	**78.8**	**0.0788**	
MW-112D	Offsite Wells	Deep	09/24/2020	MW-112D_092420	**579**	**0.579**	
MW-112D	Offsite Wells	Deep	01/13/2022	MW-112D_RI2022	**667**	**0.667**	
MW-112D	Offsite Wells	Deep	09/14/2022	MW-112D	**612**	**0.612**	
MW-112D	Offsite Wells	Deep	11/08/2022	MW-112D	**499**	**0.499**	
MW-112D	Offsite Wells	Deep	03/07/2023	MW-112D	**532**	**0.532**	
MW-112D	Offsite Wells	Deep	06/21/2023	MW-112D	**530**	**0.53**	
MW-112D	Offsite Wells	Deep	08/15/2023	MW-112D	**43.4**	**0.0434**	
MW-112D	Offsite Wells	Deep	11/14/2023	MW-112D	**734**	**0.734**	
MW-112S	Offsite Wells	Shallow	12/20/2018	MW-112S-12202018	**1460**	**1.46**	
MW-112S	Offsite Wells	Shallow	09/24/2020	MW-112S_092420	**1620**	**1.62**	
MW-112S	Offsite Wells	Shallow	01/13/2022	MW-112S_RI2022	**1980**	**1.98**	
MW-112S	Offsite Wells	Shallow	09/14/2022	MW-112S	**2080**	**2.08**	
MW-112S	Offsite Wells	Shallow	11/08/2022	MW-112S	**1770**	**1.77**	
MW-112S	Offsite Wells	Shallow	03/07/2023	MW-112S	**1140**	**1.14**	
MW-112S	Offsite Wells	Shallow	06/21/2023	MW-112S	4.5	0.0045	
MW-112S	Offsite Wells	Shallow	08/15/2023	MW-112S	**61.8**	**0.0618**	
MW-112S	Offsite Wells	Shallow	11/14/2023	MW-112S	**1170**	**1.17**	
MW-113D	Offsite Wells	Deep	12/19/2018	MW-113D-12192018	5.84	0.00584	J
MW-113D	Offsite Wells	Deep	09/24/2020	MW-113D_092420	**15.7**	**0.0157**	
MW-113D	Offsite Wells	Deep	01/13/2022	MW-113D_RI2022	**36**	**0.036**	
MW-113D	Offsite Wells	Deep	01/13/2022	DUP-2_RI2022	**20.5**	**0.0205**	
MW-113D	Offsite Wells	Deep	09/14/2022	MW-113D	**21.1**	**0.0211**	
MW-113D	Offsite Wells	Deep	03/07/2023	MW-113D	**29.6**	**0.0296**	
MW-113D	Offsite Wells	Deep	06/21/2023	MW-113D	**44.9**	**0.0449**	
MW-113D	Offsite Wells	Deep	08/15/2023	MW-113D	**42.8**	**0.0428**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-113D	Offsite Wells	Deep	11/14/2023	MW-113D	**42.6**	**0.0426**	
MW-113S	Offsite Wells	Shallow	12/19/2018	MW-113S-12192018	**340**	**0.34**	
MW-113S	Offsite Wells	Shallow	09/24/2020	MW-113S_092420	**706**	**0.706**	
MW-113S	Offsite Wells	Shallow	01/13/2022	MW-113S_RI2022	**391**	**0.391**	
MW-113S	Offsite Wells	Shallow	09/14/2022	MW-113S	**633**	**0.633**	
MW-113S	Offsite Wells	Shallow	03/07/2023	MW-113S	**674**	**0.674**	
MW-113S	Offsite Wells	Shallow	06/21/2023	MW-113S	**574**	**0.574**	
MW-113S	Offsite Wells	Shallow	08/15/2023	MW-113S	**43.5**	**0.0435**	
MW-113S	Offsite Wells	Shallow	11/14/2023	MW-113S	**831**	**0.831**	
MW-114D	Offsite Wells	Deep	12/19/2018	MW-114D-12192018	**46**	**0.046**	
MW-114D	Offsite Wells	Deep	09/22/2020	MW-114D_092220	**36.6**	**0.0366**	
MW-114D	Offsite Wells	Deep	01/11/2022	MW-114D_RI2022	**53.4**	**0.0534**	
MW-114D	Offsite Wells	Deep	09/13/2022	MW-114D	**62.1**	**0.0621**	
MW-114D	Offsite Wells	Deep	06/20/2023	MW-114D	**67.5**	**0.0675**	
MW-114D	Offsite Wells	Deep	08/14/2023	MW-114D	**82.1**	**0.0821**	
MW-114D	Offsite Wells	Deep	11/14/2023	MW-114D	**83.2**	**0.0832**	
MW-114S	Offsite Wells	Shallow	12/19/2018	MW-114S-12192018	**162**	**0.162**	
MW-114S	Offsite Wells	Shallow	09/22/2020	MW-114S_092220	**113**	**0.113**	
MW-114S	Offsite Wells	Shallow	01/11/2022	MW-114S_RI2022	**199**	**0.199**	
MW-114S	Offsite Wells	Shallow	09/13/2022	MW-114S	**223**	**0.223**	
MW-114S	Offsite Wells	Shallow	03/07/2023	MW-114S	**165**	**0.165**	
MW-114S	Offsite Wells	Shallow	06/20/2023	MW-114S	**232**	**0.232**	
MW-114S	Offsite Wells	Shallow	08/14/2023	MW-114S	**288**	**0.288**	
MW-114S	Offsite Wells	Shallow	11/14/2023	MW-114S	**289**	**0.289**	
MW-114X	Offsite Wells	Lower PRM	03/28/2023	MW-114X	1.4	0.0014	J
MW-114X	Offsite Wells	Lower PRM	08/08/2023	MW-114X	5.3	0.0053	
MW-115X	Offsite Wells	Middle PRM	05/06/2019	MW115X-050619	1	0.001	U
MW-115X	Offsite Wells	Middle PRM	09/17/2019	MW-115X_09_2019	1	0.001	U
MW-115X	Offsite Wells	Middle PRM	04/06/2023	MW-115X	5.1	0.0051	U

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-115X	Offsite Wells	Middle PRM	08/08/2023	MW-115X	0.39	0.00039	U
MW-115X	Offsite Wells	Middle PRM	11/27/2023	MW-115X	0.9	0.0009	J
MW-116D	Offsite Wells	Deep	09/23/2020	MW-116D_092320	5	0.005	U
MW-116D	Offsite Wells	Deep	01/12/2022	MW-116D_RI2022	**17**	**0.017**	U
MW-116D	Offsite Wells	Deep	09/13/2022	MW-116D	6.6	0.0066	
MW-116D	Offsite Wells	Deep	03/06/2023	MW-116D	7.4	0.0074	
MW-116D	Offsite Wells	Deep	06/22/2023	MW-116D	5.1	0.0051	
MW-116D	Offsite Wells	Deep	08/15/2023	MW-116D	4	0.004	
MW-116D	Offsite Wells	Deep	11/14/2023	MW-116D	6.5	0.0065	
MW-116S	Offsite Wells	Shallow	09/23/2020	DUP-1_092320	**35.2**	**0.0352**	
MW-116S	Offsite Wells	Shallow	09/23/2020	MW-116S_092320	**33.8**	**0.0338**	
MW-116S	Offsite Wells	Shallow	01/11/2022	MW-116S_RI2022	**53.9**	**0.0539**	
MW-116S	Offsite Wells	Shallow	09/13/2022	MW-116S	**54.2**	**0.0542**	
MW-116S	Offsite Wells	Shallow	03/06/2023	MW-116S	**54.6**	**0.0546**	
MW-116S	Offsite Wells	Shallow	06/22/2023	MW-116S	**59.5**	**0.0595**	
MW-116S	Offsite Wells	Shallow	08/15/2023	MW-116S	**63.5**	**0.0635**	
MW-116S	Offsite Wells	Shallow	11/14/2023	MW-116S	4.5	0.0045	
MW-117D	Offsite Wells	Deep	09/23/2020	MW-117D_092320	**500**	**0.5**	U
MW-117D	Offsite Wells	Deep	12/04/2020	MW-117D_120420	**17.9**	**0.0179**	
MW-117D	Offsite Wells	Deep	01/13/2022	MW-117D_RI2022	**19.9**	**0.0199**	
MW-117D	Offsite Wells	Deep	09/15/2022	MW-117D	**16.2**	**0.0162**	
MW-117D	Offsite Wells	Deep	03/06/2023	MW-117D	**18.5**	**0.0185**	
MW-117D	Offsite Wells	Deep	06/22/2023	MW-117D	**21.2**	**0.0212**	
MW-117D	Offsite Wells	Deep	08/16/2023	MW-117D	**23.1**	**0.0231**	
MW-117D	Offsite Wells	Deep	11/15/2023	MW-117D	**18.7**	**0.0187**	
MW-117S	Offsite Wells	Shallow	09/23/2020	MW-117S_092320	**500**	**0.5**	U
MW-117S	Offsite Wells	Shallow	12/04/2020	MW-117S_120420	10.2	0.0102	J
MW-117S	Offsite Wells	Shallow	01/13/2022	MW-117S_RI2022	**14.6**	**0.0146**	
MW-117S	Offsite Wells	Shallow	09/15/2022	MW-117S	**14.7**	**0.0147**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-117S	Offsite Wells	Shallow	03/06/2023	MW-117S	**14.3**	**0.0143**	
MW-117S	Offsite Wells	Shallow	06/22/2023	MW-117S	**14.8**	**0.0148**	
MW-117S	Offsite Wells	Shallow	08/16/2023	MW-117S	**15.7**	**0.0157**	
MW-117S	Offsite Wells	Shallow	11/15/2023	MW-117S	**14.5**	**0.0145**	
MW-118D	Offsite Wells	Deep	09/24/2020	MW-118D_092420	**82.2**	**0.0822**	
MW-118D	Offsite Wells	Deep	01/12/2022	MW-118D_RI2022	**105**	**0.105**	
MW-118D	Offsite Wells	Deep	09/14/2022	MW-118D	**133**	**0.133**	
MW-118D	Offsite Wells	Deep	03/11/2023	MW-118D	**70.8**	**0.0708**	
MW-118D	Offsite Wells	Deep	06/22/2023	MW-118D	3.4	0.0034	
MW-118D	Offsite Wells	Deep	08/16/2023	MW-118D	1.3	0.0013	J
MW-118D	Offsite Wells	Deep	11/15/2023	MW-118D	**155**	**0.155**	
MW-118S	Offsite Wells	Shallow	09/24/2020	MW-118S_092420	**133**	**0.133**	
MW-118S	Offsite Wells	Shallow	01/12/2022	MW-118S_RI2022	**143**	**0.143**	
MW-118S	Offsite Wells	Shallow	09/14/2022	MW-118S	**146**	**0.146**	
MW-118S	Offsite Wells	Shallow	03/11/2023	MW-118S	**149**	**0.149**	
MW-118S	Offsite Wells	Shallow	06/22/2023	MW-118S	**128**	**0.128**	
MW-118S	Offsite Wells	Shallow	08/16/2023	MW-118S	**144**	**0.144**	
MW-118S	Offsite Wells	Shallow	11/15/2023	MW-118S	**134**	**0.134**	
MW-119D	Offsite Wells	Deep	09/22/2020	MW-119D_092220	2.5	0.0025	J
MW-119D	Offsite Wells	Deep	01/10/2022	DUP-1_RI2022	**14.3**	**0.0143**	
MW-119D	Offsite Wells	Deep	01/10/2022	MW-119D_RI2022	10.2	0.0102	
MW-119D	Offsite Wells	Deep	09/12/2022	MW-119D	**16.7**	**0.0167**	
MW-119D	Offsite Wells	Deep	11/07/2022	MW-119D	**16.5**	**0.0165**	
MW-119D	Offsite Wells	Deep	03/08/2023	MW-119D	**67.4**	**0.0674**	
MW-119D	Offsite Wells	Deep	06/19/2023	MW-119D	**41**	**0.041**	
MW-119D	Offsite Wells	Deep	08/14/2023	MW-119D	**38.6**	**0.0386**	
MW-119D	Offsite Wells	Deep	11/14/2023	MW-119D	**44.9**	**0.0449**	
MW-119S	Offsite Wells	Shallow	09/22/2020	MW-119S_092220	3.6	0.0036	J
MW-119S	Offsite Wells	Shallow	01/10/2022	MW-119S_RI2022	6.7	0.0067	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-119S	Offsite Wells	Shallow	09/12/2022	MW-119S	**13.3**	**0.0133**	
MW-119S	Offsite Wells	Shallow	11/07/2022	MW-119S	**15.8**	**0.0158**	
MW-119S	Offsite Wells	Shallow	03/08/2023	MW-119S	**19.8**	**0.0198**	
MW-119S	Offsite Wells	Shallow	06/19/2023	MW-119S	**33.9**	**0.0339**	
MW-119S	Offsite Wells	Shallow	08/14/2023	MW-119S	**30.1**	**0.0301**	
MW-119S	Offsite Wells	Shallow	11/14/2023	MW-119S	**28**	**0.028**	
MW-11D	Main Plant Area	Intermediate	03/12/2014	GW0012_20140312	**4330**	**4.33**	
MW-11D	Main Plant Area	Intermediate	03/22/2019	MW-11D_20190322	**2320**	**2.32**	
MW-11DD	Main Plant Area	Deep	03/12/2014	GW0013_20140312	**1380**	**1.38**	
MW-11DD	Main Plant Area	Deep	03/22/2019	MW-11DD_20190322	**1540**	**1.54**	
MW-120D	Offsite Wells	Deep	12/17/2018	MW-120D-12172018	**694**	**0.694**	
MW-120D	Offsite Wells	Deep	09/28/2020	MW-120D_092820	**663**	**0.663**	
MW-120D	Offsite Wells	Deep	01/13/2022	MW-120D_RI2022	**706**	**0.706**	
MW-120D	Offsite Wells	Deep	09/15/2022	MW-120D	**535**	**0.535**	
MW-120D	Offsite Wells	Deep	03/13/2023	MW-120D	**779**	**0.779**	
MW-120D	Offsite Wells	Deep	06/21/2023	DUP_062123	**1120**	**1.12**	
MW-120D	Offsite Wells	Deep	06/21/2023	MW-120D	**1010**	**1.01**	
MW-120D	Offsite Wells	Deep	08/17/2023	MW-120D	**449**	**0.449**	
MW-120D	Offsite Wells	Deep	11/16/2023	MW-120D	**901**	**0.901**	
MW-120S	Offsite Wells	Shallow	12/17/2018	MW-120S-12172018	**446**	**0.446**	
MW-120S	Offsite Wells	Shallow	09/28/2020	MW-120S_092820	**349**	**0.349**	
MW-120S	Offsite Wells	Shallow	01/13/2022	MW-120S_RI2022	**370**	**0.37**	
MW-120S	Offsite Wells	Shallow	09/15/2022	MW-120S	**348**	**0.348**	
MW-120S	Offsite Wells	Shallow	03/13/2023	MW-120S	**442**	**0.442**	
MW-120S	Offsite Wells	Shallow	06/21/2023	MW-120S	**519**	**0.519**	
MW-120S	Offsite Wells	Shallow	08/17/2023	MW-120S	**29.2**	**0.0292**	
MW-120S	Offsite Wells	Shallow	11/16/2023	MW-120S	**547**	**0.547**	
MW-121D	Offsite Wells	Deep	12/20/2018	MW-121D-12202018	**412**	**0.412**	
MW-121D	Offsite Wells	Deep	09/25/2020	MW-121D_092520	**436**	**0.436**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-121D	Offsite Wells	Deep	01/14/2022	MW-121D_RI2022	**481**	**0.481**	
MW-121D	Offsite Wells	Deep	09/16/2022	MW-121D	**424**	**0.424**	
MW-121D	Offsite Wells	Deep	03/10/2023	MW-121D	**534**	**0.534**	
MW-121D	Offsite Wells	Deep	06/26/2023	MW-121D	**719**	**0.719**	
MW-121D	Offsite Wells	Deep	08/16/2023	MW-121D	**569**	**0.569**	
MW-121D	Offsite Wells	Deep	11/15/2023	MW-121D	**264**	**0.264**	
MW-121S	Offsite Wells	Shallow	12/20/2018	MW-121S-12202018	**807**	**0.807**	
MW-121S	Offsite Wells	Shallow	09/25/2020	MW-121S_092520	**777**	**0.777**	
MW-121S	Offsite Wells	Shallow	01/14/2022	MW-121S_RI2022	**758**	**0.758**	
MW-121S	Offsite Wells	Shallow	09/16/2022	MW-121S	**618**	**0.618**	
MW-121S	Offsite Wells	Shallow	03/10/2023	MW-121S	**1020**	**1.02**	
MW-121S	Offsite Wells	Shallow	06/26/2023	MW-121S	6.6	0.0066	
MW-121S	Offsite Wells	Shallow	08/16/2023	MW-121S	**1070**	**1.07**	
MW-121S	Offsite Wells	Shallow	11/15/2023	MW-121S	**1200**	**1.2**	
MW-122D	Offsite Wells	Deep	09/28/2020	MW-122D_092820	**73.7**	**0.0737**	
MW-122D	Offsite Wells	Deep	01/14/2022	MW-122D_RI2022	**81.9**	**0.0819**	
MW-122D	Offsite Wells	Deep	09/16/2022	MW-122D	**69**	**0.069**	
MW-122D	Offsite Wells	Deep	11/09/2022	MW-122D	**78.9**	**0.0789**	
MW-122D	Offsite Wells	Deep	03/28/2023	DUP_032823	**115**	**0.115**	
MW-122D	Offsite Wells	Deep	03/28/2023	MW-122D	**109**	**0.109**	
MW-122D	Offsite Wells	Deep	06/26/2023	MW-122D	**111**	**0.111**	
MW-122D	Offsite Wells	Deep	08/17/2023	MW-122D	**48.9**	**0.0489**	
MW-122D	Offsite Wells	Deep	11/16/2023	MW-122D	**86**	**0.086**	
MW-122S	Offsite Wells	Shallow	09/28/2020	MW-122S_092820	**1240**	**1.24**	
MW-122S	Offsite Wells	Shallow	01/14/2022	MW-122S_RI2022	**2220**	**2.22**	
MW-122S	Offsite Wells	Shallow	09/16/2022	MW-122S	**1370**	**1.37**	
MW-122S	Offsite Wells	Shallow	11/09/2022	DUP1-11.09.2022	**1130**	**1.13**	
MW-122S	Offsite Wells	Shallow	11/09/2022	MW-122S	**1100**	**1.1**	
MW-122S	Offsite Wells	Shallow	03/28/2023	MW-122S	**865**	**0.865**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-122S	Offsite Wells	Shallow	06/26/2023	MW-122S	**1230**	**1.23**	
MW-122S	Offsite Wells	Shallow	08/17/2023	MW-122S	**331**	**0.331**	
MW-122S	Offsite Wells	Shallow	11/16/2023	MW-122S	**498**	**0.498**	
MW-123D	Offsite Wells	Lower PRM	09/28/2020	MW-123D_092820	3.4	0.0034	J
MW-123D	Offsite Wells	Lower PRM	01/14/2022	MW-123D_RI2022	**446**	**0.446**	
MW-123D	Offsite Wells	Lower PRM	09/19/2022	MW-123D	5.2	0.0052	
MW-123D	Offsite Wells	Lower PRM	04/05/2023	MW-123D	5.1	0.0051	U
MW-123D	Offsite Wells	Lower PRM	08/18/2023	MW-123D	0.32	0.00032	U
MW-123I	Offsite Wells	Middle PRM	09/28/2020	MW-123I_092820	**24.9**	**0.0249**	
MW-123I	Offsite Wells	Middle PRM	01/14/2022	MW-123I_RI2022	**23.4**	**0.0234**	
MW-123I	Offsite Wells	Middle PRM	09/19/2022	MW-123I	**36.5**	**0.0365**	
MW-123I	Offsite Wells	Middle PRM	04/05/2023	MW-123I	**41.7**	**0.0417**	
MW-123I	Offsite Wells	Middle PRM	08/18/2023	MW-123I	**33.4**	**0.0334**	
MW-123S	Offsite Wells	Shallow	09/28/2020	MW-123S_092820	**83**	**0.083**	
MW-123S	Offsite Wells	Shallow	01/14/2022	MW-123S_RI2022	**87.7**	**0.0877**	
MW-123S	Offsite Wells	Shallow	09/19/2022	MW-123S	**104**	**0.104**	
MW-123S	Offsite Wells	Shallow	03/13/2023	MW-123S	**104**	**0.104**	
MW-123S	Offsite Wells	Shallow	06/23/2023	MW-123S	**108**	**0.108**	
MW-123S	Offsite Wells	Shallow	08/18/2023	MW-123S	**88.6**	**0.0886**	
MW-124D	Offsite Wells	Deep	12/04/2020	MW-124D_120420	**505**	**0.505**	
MW-124D	Offsite Wells	Deep	01/14/2022	MW-124D_RI2022	**711**	**0.711**	
MW-124D	Offsite Wells	Deep	09/20/2022	MW-124D	**914**	**0.914**	
MW-124D	Offsite Wells	Deep	03/08/2023	DUP_030823	**961**	**0.961**	
MW-124D	Offsite Wells	Deep	03/08/2023	MW-124D	**910**	**0.91**	
MW-124D	Offsite Wells	Deep	06/23/2023	MW-124D	**920**	**0.92**	
MW-124D	Offsite Wells	Deep	08/18/2023	MW-124D	**1120**	**1.12**	
MW-124D	Offsite Wells	Deep	11/16/2023	MW-124D	**950**	**0.95**	
MW-124S	Offsite Wells	Shallow	12/04/2020	DUP_120420	**447**	**0.447**	
MW-124S	Offsite Wells	Shallow	12/04/2020	MW-124S_120420	**428**	**0.428**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-124S	Offsite Wells	Shallow	01/14/2022	MW-124S_RI2022	**689**	**0.689**	
MW-124S	Offsite Wells	Shallow	09/20/2022	MW-124S	**880**	**0.88**	
MW-124S	Offsite Wells	Shallow	03/08/2023	MW-124S	**663**	**0.663**	
MW-124S	Offsite Wells	Shallow	06/23/2023	MW-124S	**730**	**0.73**	
MW-124S	Offsite Wells	Shallow	08/18/2023	MW-124S	**752**	**0.752**	
MW-124S	Offsite Wells	Shallow	11/16/2023	MW-124S	**853**	**0.853**	
MW-125D	Offsite Wells	Deep	12/03/2020	MW-125D_120320	**40**	**0.04**	U
MW-125D	Offsite Wells	Deep	12/03/2020	MW-125D_120320B	10	0.01	U
MW-125D	Offsite Wells	Deep	01/13/2022	MW-125D_RI2022	**18**	**0.018**	
MW-125D	Offsite Wells	Deep	09/15/2022	MW-125D	**55.5**	**0.0555**	
MW-125D	Offsite Wells	Deep	03/09/2023	MW-125D	**67.1**	**0.0671**	
MW-125D	Offsite Wells	Deep	06/20/2023	MW-125D	**68.2**	**0.0682**	
MW-125D	Offsite Wells	Deep	08/14/2023	MW-125D	**88.6**	**0.0886**	
MW-125D	Offsite Wells	Deep	11/13/2023	MW-125D	**58.1**	**0.0581**	
MW-125S	Offsite Wells	Shallow	12/03/2020	MW-125S_120320	**24.4**	**0.0244**	
MW-125S	Offsite Wells	Shallow	01/13/2022	MW-125S_RI2022	**35.7**	**0.0357**	
MW-125S	Offsite Wells	Shallow	09/15/2022	MW-125S	**53.2**	**0.0532**	
MW-125S	Offsite Wells	Shallow	03/09/2023	MW-125S	**72.4**	**0.0724**	
MW-125S	Offsite Wells	Shallow	06/20/2023	MW-125S	**78**	**0.078**	
MW-125S	Offsite Wells	Shallow	08/14/2023	MW-125S	**76.5**	**0.0765**	
MW-125S	Offsite Wells	Shallow	11/13/2023	MW-125S	**78.8**	**0.0788**	
MW-126D	Offsite Wells	Deep	12/30/2021	MW-126D	2.1	0.0021	U
MW-126D	Offsite Wells	Deep	09/12/2022	MW-126D	2.1	0.0021	U
MW-126D	Offsite Wells	Deep	09/12/2022	DUP_09.12.2022	2	0.002	U
MW-126D	Offsite Wells	Deep	03/06/2023	MW-126D	1.8	0.0018	J
MW-126D	Offsite Wells	Deep	03/06/2023	DUP_030623	0.57	0.00057	U
MW-126D	Offsite Wells	Deep	06/19/2023	MW-126D	2.7	0.0027	
MW-126D	Offsite Wells	Deep	06/19/2023	DUP_061923	1.9	0.0019	
MW-126D	Offsite Wells	Deep	08/14/2023	DUP_081423	1.1	0.0011	J

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-126D	Offsite Wells	Deep	08/14/2023	MW-126D	2	0.002	
MW-126D	Offsite Wells	Deep	11/13/2023	MW-126D	1.9	0.0019	J
MW-126S	Offsite Wells	Shallow	12/30/2021	MW-126S	4.3	0.0043	
MW-126S	Offsite Wells	Shallow	09/12/2022	MW-126S	5.6	0.0056	
MW-126S	Offsite Wells	Shallow	03/06/2023	MW-126S	6.5	0.0065	
MW-126S	Offsite Wells	Shallow	06/19/2023	MW-126S	5.6	0.0056	
MW-126S	Offsite Wells	Shallow	08/14/2023	MW-126S	8.4	0.0084	
MW-126S	Offsite Wells	Shallow	11/13/2023	MW-126S	7.1	0.0071	
MW-127D	Offsite Wells	Deep	12/30/2021	MW-127D	**1070**	**1.07**	
MW-127D	Offsite Wells	Deep	09/19/2022	MW-127D	**1180**	**1.18**	
MW-127D	Offsite Wells	Deep	09/19/2022	DUP_09.19.2022	**1150**	**1.15**	
MW-127D	Offsite Wells	Deep	03/08/2023	MW-127D	**1220**	**1.22**	
MW-127D	Offsite Wells	Deep	06/21/2023	MW-127D	**1230**	**1.23**	
MW-127D	Offsite Wells	Deep	08/18/2023	MW-127D	**1110**	**1.11**	
MW-127D	Offsite Wells	Deep	08/18/2023	DUP_081823	**1130**	**1.13**	
MW-127D	Offsite Wells	Deep	11/16/2023	MW-127D	**1100**	**1.1**	
MW-127S	Offsite Wells	Shallow	12/30/2021	MW-127S	**36.2**	**0.0362**	
MW-127S	Offsite Wells	Shallow	12/30/2021	DUP1-123021	**34.5**	**0.0345**	
MW-127S	Offsite Wells	Shallow	09/19/2022	MW-127S	**37.7**	**0.0377**	
MW-127S	Offsite Wells	Shallow	03/08/2023	MW-127S	**33.9**	**0.0339**	
MW-127S	Offsite Wells	Shallow	06/21/2023	MW-127S	**39.4**	**0.0394**	
MW-127S	Offsite Wells	Shallow	08/18/2023	MW-127S	**42.6**	**0.0426**	
MW-127S	Offsite Wells	Shallow	11/16/2023	MW-127S	**36.2**	**0.0362**	
MW-128S	Main Plant Area	Shallow	03/10/2023	MW-128S	**177000**	**177**	
MW-128S	Main Plant Area	Shallow	06/26/2023	MW-128S	**161000**	**161**	
MW-128S	Main Plant Area	Shallow	08/23/2023	MW-128S	**257000**	**256**	
MW-128S	Main Plant Area	Shallow	11/29/2023	MW-128S	**175000**	**175**	
MW-129S	Main Plant Area	Shallow	03/10/2023	MW-129S	**60200**	**60.2**	
MW-129S	Main Plant Area	Shallow	06/26/2023	MW-129S	**44800**	**44.8**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-129S	Main Plant Area	Shallow	08/23/2023	MW-129S	**49300**	**49.3**	
MW-129S	Main Plant Area	Shallow	08/23/2023	DUP_082323	**55900**	**55.9**	
MW-129S	Main Plant Area	Shallow	11/29/2023	MW-129S	**44900**	**44.9**	
MW-12S	Main Plant Area	Shallow	03/25/2019	MW-12S_20190325	**16200**	**16.2**	
MW-130D	Offsite Wells	Deep	08/17/2023	MW-130D	**15.7**	**0.0157**	
MW-130D	Offsite Wells	Deep	11/17/2023	MW-130D	**403**	**0.403**	
MW-130S	Offsite Wells	Shallow	08/17/2023	MW-130S	**649**	**0.649**	
MW-130S	Offsite Wells	Shallow	11/17/2023	MW-130S	**574**	**0.574**	
MW-131D	Offsite Wells	Deep	08/17/2023	MW-131D	**833**	**0.833**	
MW-131D	Offsite Wells	Deep	11/17/2023	MW-131D	**823**	**0.823**	
MW-131S	Offsite Wells	Shallow	08/17/2023	MW-131S	**350**	**0.35**	
MW-131S	Offsite Wells	Shallow	11/17/2023	DUP_111723	**713**	**0.713**	
MW-131S	Offsite Wells	Shallow	11/17/2023	MW-131S	**693**	**0.693**	
MW-132D	Offsite Wells	Deep	08/17/2023	MW-132D	1.8	0.0018	
MW-132D	Offsite Wells	Deep	11/16/2023	MW-132D	0.36	0.00036	U
MW-132S	Offsite Wells	Shallow	08/17/2023	MW-132S	**54.8**	**0.0548**	
MW-132S	Offsite Wells	Shallow	11/16/2023	MW-132S	**49.9**	**0.0499**	
MW-133D	Offsite Wells	Deep	08/17/2023	MW-133D	**765**	**0.765**	
MW-133D	Offsite Wells	Deep	11/16/2023	MW-133D	**798**	**0.798**	
MW-133S	Offsite Wells	Shallow	08/17/2023	MW-133S	**289**	**0.289**	
MW-133S	Offsite Wells	Shallow	11/16/2023	MW-133S	**156**	**0.156**	
MW-134D	Offsite Wells	Deep	08/16/2023	MW-134D	3.4	0.0034	
MW-134D	Offsite Wells	Deep	11/15/2023	DUP_111523	5.5	0.0055	
MW-134D	Offsite Wells	Deep	11/15/2023	MW-134D	4.1	0.0041	
MW-134S	Offsite Wells	Shallow	08/16/2023	MW-134S	11.6	0.00116	
MW-134S	Offsite Wells	Shallow	11/15/2023	MW-134S	8.2	0.0082	
MW-135D	Offsite Wells	Deep	11/13/2023	MW-135D	0.42	0.00042	U
MW-135S	Offsite Wells	Shallow	11/13/2023	MW-135S	3	0.003	U
MW-14S	Main Plant Area	Shallow	03/25/2019	MW-14S_20190325	**5420**	**5.42**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-15S	Main Plant Area	Shallow	03/13/2014	GW0014_20140313	**4770**	**4.77**	
MW-15S	Main Plant Area	Shallow	03/25/2019	MW-15S_20190325	**2020**	**2.02**	
MW-16I	Main Plant Area	Intermediate	09/20/2016	GW-156	**1200**	**1.2**	
MW-16I	Main Plant Area	Intermediate	03/25/2019	MW-16I_20190325	**1820**	**1.82**	
MW-16S	Main Plant Area	Shallow	09/22/2016	GW-160	**11000**	**11**	J
MW-16S	Main Plant Area	Shallow	03/25/2019	MW-16S_20190325	**9000**	**9**	
MW-16S	Main Plant Area	Shallow	11/02/2022	MW-16S	**1890**	**1.89**	
MW-16S	Main Plant Area	Shallow	03/09/2023	MW-16S	**4240**	**4.24**	
MW-16S	Main Plant Area	Shallow	06/27/2023	MW-16S	**6320**	**6.32**	
MW-16S	Main Plant Area	Shallow	08/23/2023	MW-16S	**7320**	**7.32**	
MW-16S	Main Plant Area	Shallow	09/14/2023	MW-16S	**114000**	**114**	
MW-16S	Main Plant Area	Shallow	11/29/2023	MW-16S	**1910**	**1.91**	
MW-17S	Main Plant Area	Shallow	03/13/2014	GW0015_20140313	**4530**	**4.53**	
MW-17S	Main Plant Area	Shallow	03/25/2019	MW-17S_20190325	**1760**	**1.76**	
MW-18D	Offsite Wells	Deep	03/21/2014	GW0034_20140321	**1010**	**1.01**	
MW-18D	Offsite Wells	Deep	09/16/2016	GW-136	**910**	**0.91**	
MW-18I	Offsite Wells	Intermediate	03/21/2014	GW0035_20140321	**18000**	**18**	
MW-18I	Offsite Wells	Intermediate	09/16/2016	GW-137	**23000**	**23**	
MW-18S	Offsite Wells	Shallow	03/21/2014	GW0036_20140321	**3110**	**3.11**	
MW-19D	Offsite Wells	Deep	03/21/2014	GW0037_20140321	**17000**	**17**	
MW-19D	Offsite Wells	Deep	09/21/2016	GW-150	**73000**	**73**	
MW-19D	Offsite Wells	Deep	09/23/2020	MW-19D_092320	**26000**	**26**	
MW-19D	Offsite Wells	Deep	10/18/2022	MW-19D	**41600**	**41.6**	
MW-19D	Offsite Wells	Deep	03/14/2023	MW-19D	**37000**	**37**	
MW-19D	Offsite Wells	Deep	06/28/2023	MW-19D	**36400**	**36.4**	
MW-19D	Offsite Wells	Deep	08/18/2023	MW-19D	**19100**	**19.1**	
MW-19D	Offsite Wells	Deep	09/07/2023	MW-19D	**254**	**0.254**	
MW-19D	Offsite Wells	Deep	11/17/2023	MW-19D	**25200**	**25.2**	
MW-19I	Offsite Wells	Intermediate	03/21/2014	GW0038_20140321	**26800**	**26.8**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-19I	Offsite Wells	Intermediate	09/16/2016	GW-125	**25000**	**25**	
MW-19I	Offsite Wells	Intermediate	10/01/2020	MW-19I_100120	**25300**	**25.3**	
MW-19I	Offsite Wells	Intermediate	09/20/2022	MW-19I	**26100**	**26.1**	
MW-19I	Offsite Wells	Intermediate	03/14/2023	MW-19I	**44000**	**44**	
MW-19I	Offsite Wells	Intermediate	06/28/2023	MW-19I	**29300**	**29.3**	
MW-19I	Offsite Wells	Intermediate	08/18/2023	MW-19I	**25800**	**25.8**	
MW-19I	Offsite Wells	Intermediate	11/17/2023	MW-19I	**37500**	**37.5**	
MW-19S	Offsite Wells	Shallow	03/21/2014	GW0039_20140321	**3100**	**3.1**	
MW-19S	Offsite Wells	Shallow	10/01/2020	MW-19S_100120	**3050**	**3.05**	
MW-19S	Offsite Wells	Shallow	03/14/2023	MW-19S	**15200**	**15.2**	
MW-19S	Offsite Wells	Shallow	11/16/2023	MW-19S	**5230**	**5.23**	
MW-19X	Offsite Wells	Middle PRM	09/21/2016	GW-151	**18**	**0.018**	
MW-19X	Offsite Wells	Middle PRM	10/28/2019	MW19X-10282019	**55.7**	**0.0557**	
MW-19X	Offsite Wells	Middle PRM	04/05/2023	MW-19X	**557**	**0.557**	
MW-19X	Offsite Wells	Middle PRM	08/18/2023	MW-19X	**1110**	**1.1**	
MW-19X	Offsite Wells	Middle PRM	11/16/2023	MW-19X	**1340**	**1.34**	
MW-1D	Main Plant Area	Deep	03/12/2014	GW0008_20140312	**16500**	**16.5**	
MW-1D	Main Plant Area	Deep	03/21/2019	MW-1D_20190321	**47500**	**47.5**	
MW-1D	Main Plant Area	Deep	03/21/2019	MW-1D_20190321FD	**44300**	**44.3**	
MW-1D	Main Plant Area	Deep	10/20/2022	MW-1D	**47100**	**47.1**	
MW-1D	Main Plant Area	Deep	03/13/2023	MW-1D	**43700**	**43.7**	
MW-1D	Main Plant Area	Deep	06/26/2023	MW-1D	**50600**	**50.6**	
MW-1D	Main Plant Area	Deep	08/18/2023	MW-1D	**55500**	**55.5**	
MW-1D	Main Plant Area	Deep	09/13/2023	DUP_091323	**52000**	**52**	
MW-1D	Main Plant Area	Deep	09/13/2023	MW-1D	**52200**	**52.2**	
MW-1D	Main Plant Area	Deep	12/01/2023	MW-1D	**54400**	**54.4**	
MW-22X	Main Plant Area	Middle PRM	04/04/2023	MW-22X	**737**	**0.737**	
MW-22X	Main Plant Area	Middle PRM	08/08/2023	MW-22X	**1090**	**1.09**	
MW-22X	Main Plant Area	Middle PRM	11/29/2023	MW-22X	**281**	**0.281**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-24D	Dredge Spoil Area	Deep	03/13/2014	GW0016_20140313	**1830**	**1.83**	
MW-24D	Dredge Spoil Area	Deep	09/21/2016	GW-154	**1600**	**1.6**	J
MW-24D	Dredge Spoil Area	Deep	09/28/2020	MW-24D_092820	**1920**	**1.92**	
MW-24D	Dredge Spoil Area	Deep	10/19/2022	MW-24D	**2030**	**2.03**	
MW-24D	Dredge Spoil Area	Deep	08/21/2023	MW-24D	**2000**	**2**	
MW-24D	Dredge Spoil Area	Deep	09/14/2023	MW-24D	**1680**	**1.68**	
MW-24D	Dredge Spoil Area	Deep	11/29/2023	MW-24D	**2080**	**2.08**	
MW-24I	Dredge Spoil Area	Intermediate	03/13/2014	GW0017_20140313	**1630**	**1.63**	J
MW-24I	Dredge Spoil Area	Intermediate	09/21/2016	GW-153	**1400**	**1.4**	
MW-24I	Dredge Spoil Area	Intermediate	09/28/2020	MW-24I_092820	**1440**	**1.44**	
MW-24I	Dredge Spoil Area	Intermediate	10/19/2022	MW-24I	**2160**	**2.16**	
MW-24I	Dredge Spoil Area	Intermediate	08/21/2023	MW-24I	**2220**	**2.22**	
MW-24I	Dredge Spoil Area	Intermediate	09/14/2023	MW-24I	**2020**	**2.02**	
MW-24I	Dredge Spoil Area	Intermediate	11/29/2023	MW-24I	**1850**	**1.85**	
MW-25D	Offsite Wells	Deep	03/20/2014	GW0044_20140320	**1780**	**1.78**	U
MW-25IL	Offsite Wells	Intermediate	03/20/2014	GW0043_20140320	**8380**	**8.38**	U
MW-25IL	Offsite Wells	Intermediate	10/18/2022	MW-25IL	**2730**	**2.73**	
MW-25IL	Offsite Wells	Intermediate	09/07/2023	MW-25IL	**4420**	**4.42**	
MW-25IU	Offsite Wells	Intermediate	03/20/2014	GW0042_20140320	**12800**	**12.8**	U
MW-25IU	Offsite Wells	Intermediate	03/20/2014	GW0041_20140320	**11600**	**11.6**	U
MW-25IU	Offsite Wells	Intermediate	11/01/2022	MW-25IU	**3480**	**3.48**	
MW-25S	Offsite Wells	Shallow	03/20/2014	GW0040_20140320	**1630**	**1.63**	U
MW-25S	Offsite Wells	Shallow	10/18/2022	MW-25S	**2780**	**2.78**	
MW-25S	Offsite Wells	Shallow	09/07/2023	MW-25S	**3070**	**3.07**	
MW-26D	Offsite Wells	Deep	03/18/2014	GW0048_20140318	**1040**	**1.04**	
MW-26D	Offsite Wells	Deep	10/17/2022	MW-26D	**1550**	**1.55**	
MW-26D	Offsite Wells	Deep	09/14/2023	MW-26D	**1590**	**1.59**	
MW-26IL	Offsite Wells	Intermediate	03/12/2014	GW0047_20140312	**7030**	**7.03**	
MW-26IL	Offsite Wells	Intermediate	10/17/2022	MW-26IL	**3030**	**3.03**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-26IL	Offsite Wells	Intermediate	09/14/2023	MW-26IL	**2630**	**2.63**	
MW-26IU	Offsite Wells	Intermediate	03/18/2014	GW0046_20140318	**6560**	**6.56**	
MW-26S	Offsite Wells	Shallow	03/12/2014	GW0045_20140312	**1700**	**1.7**	
MW-26S	Offsite Wells	Shallow	10/17/2022	MW-26S	**978**	**0.978**	
MW-26S	Offsite Wells	Shallow	09/14/2023	MW-26S	**744**	**0.744**	
MW-27IU	Offsite Wells	Intermediate	03/17/2014	GW0050_20140317	**8990**	**8.99**	
MW-27IU	Offsite Wells	Intermediate	10/10/2022	MW-27IU	**17500**	**17.5**	
MW-27IU	Offsite Wells	Intermediate	09/08/2023	MW-27IU	**4280**	**4.28**	
MW-27S	Offsite Wells	Shallow	03/17/2014	GW0049_20140317	**15200**	**15.2**	
MW-27S	Offsite Wells	Shallow	10/10/2022	DUP_20221010	**5600**	**5.6**	
MW-27S	Offsite Wells	Shallow	10/10/2022	MW-27S	**4950**	**4.95**	
MW-27S	Offsite Wells	Shallow	09/08/2023	MW-27S	**140**	**0.14**	
MW-28IL	Offsite Wells	Intermediate	04/17/2014	GW0007_20140417	**24600**	**24.6**	
MW-28IL	Offsite Wells	Intermediate	04/17/2014	GW0008_20140417	**24200**	**24.2**	
MW-28IL	Offsite Wells	Intermediate	10/11/2022	MW-28IL	**17400**	**17.4**	
MW-28IL	Offsite Wells	Intermediate	09/08/2023	MW-28IL	**15700**	**15.7**	
MW-28S	Offsite Wells	Shallow	03/17/2014	GW0051_20140317	**6120**	**6.12**	
MW-28S	Offsite Wells	Shallow	10/11/2022	MW-28S	**922**	**0.922**	
MW-28S	Offsite Wells	Shallow	09/08/2023	MW-28S	**1130**	**1.13**	
MW-29IU	Offsite Wells	Intermediate	03/17/2014	GW0054_20140317	**9810**	**9.81**	
MW-29IU	Offsite Wells	Intermediate	10/11/2022	MW-29IU	**5470**	**5.47**	
MW-29IU	Offsite Wells	Intermediate	09/08/2023	MW-29IU	**5590**	**5.59**	
MW-29S	Offsite Wells	Shallow	04/17/2014	GW0009_20140417	**1370**	**1.37**	J
MW-29S	Offsite Wells	Shallow	10/11/2022	MW-29S	**165**	**0.165**	
MW-29S	Offsite Wells	Shallow	09/08/2023	MW-29S	**151**	**0.151**	
MW-2D	Main Plant Area	Deep	03/26/2019	MW-2D_20190326	**1380**	**1.38**	
MW-30D	Offsite Wells	Deep	03/18/2014	GW0058_20140318	**870**	**0.87**	
MW-30D	Offsite Wells	Deep	09/14/2016	GW-104	**2500**	**2.5**	
MW-30D	Offsite Wells	Deep	10/12/2022	MW-30D	**4480**	**4.48**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-30D	Offsite Wells	Deep	09/12/2023	MW-30D	**4930**	**4.93**	
MW-30IL	Offsite Wells	Intermediate	03/18/2014	GW0057_20140318	**11700**	**11.7**	
MW-30IL	Offsite Wells	Intermediate	09/14/2016	GW-103	**9800**	**9.8**	
MW-30IL	Offsite Wells	Intermediate	10/12/2022	MW-30IL	**19600**	**19.6**	
MW-30IL	Offsite Wells	Intermediate	09/11/2023	MW-30IL	**18000**	**18**	
MW-30IU	Offsite Wells	Intermediate	03/18/2014	GW0056_20140318	**9890**	**9.89**	
MW-30IU	Offsite Wells	Intermediate	09/14/2016	GW-100	**4300**	**4.3**	
MW-30IU	Offsite Wells	Intermediate	09/14/2016	GW-101	**4100**	**4.1**	
MW-30IU	Offsite Wells	Intermediate	10/11/2022	MW-30IU	**4200**	**4.2**	
MW-30IU	Offsite Wells	Intermediate	09/11/2023	MW-30IU	**3880**	**3.88**	
MW-30S	Offsite Wells	Shallow	03/18/2014	GW0055_20140318	**390**	**0.39**	
MW-30S	Offsite Wells	Shallow	09/14/2016	GW-102	**500**	**0.5**	
MW-30S	Offsite Wells	Shallow	10/11/2022	MW-30S	**105**	**0.105**	
MW-30S	Offsite Wells	Shallow	09/11/2023	MW-30S	**133**	**0.133**	
MW-31IU	Offsite Wells	Intermediate	03/18/2014	GW0060_20140318	**2610**	**2.61**	
MW-31IU	Offsite Wells	Intermediate	09/14/2016	GW-106	**2800**	**2.8**	
MW-31IU	Offsite Wells	Intermediate	10/12/2022	MW-31IU	**3190**	**3.19**	
MW-31IU	Offsite Wells	Intermediate	09/08/2023	MW-31IU	**5270**	**5.27**	
MW-31S	Offsite Wells	Shallow	03/18/2014	GW0059_20140318	**1100**	**1.1**	
MW-31S	Offsite Wells	Shallow	09/14/2016	GW-105	**910**	**0.91**	J
MW-31S	Offsite Wells	Shallow	10/12/2022	MW-31S	**1440**	**1.44**	
MW-31S	Offsite Wells	Shallow	09/08/2023	MW-31S	**1530**	**1.53**	
MW-32IU	Offsite Wells	Intermediate	03/20/2014	GW0062_20140320	**3880**	**3.88**	U
MW-32IU	Offsite Wells	Intermediate	03/20/2014	GW0063_20140320	**3830**	**3.83**	U
MW-32IU	Offsite Wells	Intermediate	09/20/2016	GW-138	**1200**	**1.2**	
MW-32S	Offsite Wells	Shallow	03/20/2014	GW0061_20140320	**3730**	**3.73**	U
MW-32S	Offsite Wells	Shallow	09/20/2016	GW-139	**3000**	**3**	J
MW-32S	Offsite Wells	Shallow	10/19/2022	MW-32S	**2590**	**2.59**	
MW-33S	Offsite Wells	Shallow	04/17/2014	GW0010_20140417	**2490**	**2.49**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-33S	Offsite Wells	Shallow	09/15/2016	GW-113	**980**	**0.98**	
MW-33S	Offsite Wells	Shallow	09/21/2020	MW-33S_092120	**460**	**0.46**	
MW-33S	Offsite Wells	Shallow	03/10/2023	MW-33S	**606**	**0.606**	
MW-33S	Offsite Wells	Shallow	06/28/2023	MW-33S	**614**	**0.614**	
MW-33S	Offsite Wells	Shallow	08/18/2023	MW-33S	**649**	**0.648**	
MW-33S	Offsite Wells	Shallow	11/17/2023	MW-33S	**836**	**0.836**	
MW-34D	Offsite Wells	Deep	04/17/2014	GW0012_20140417	**5000**	**5**	
MW-34D	Offsite Wells	Deep	09/16/2016	GW-130	**4800**	**4.8**	
MW-34D	Offsite Wells	Deep	09/12/2018	34D-09122018-GW	**4300**	**4.3**	
MW-34D	Offsite Wells	Deep	10/17/2022	MW-34D	**5240**	**5.24**	
MW-34D	Offsite Wells	Deep	09/13/2023	MW-34D	**5550**	**5.55**	
MW-34I	Offsite Wells	Intermediate	04/17/2014	GW0011_20140417	**4320**	**4.32**	
MW-34IL	Offsite Wells	Intermediate	09/16/2016	GW-129	**3700**	**3.7**	
MW-34IL	Offsite Wells	Intermediate	09/12/2018	34IL-09122018-GW	**1990**	**1.99**	
MW-34IL	Offsite Wells	Intermediate	10/17/2022	MW-34IL	**5080**	**5.08**	
MW-34IL	Offsite Wells	Intermediate	09/13/2023	MW-34IL	**5380**	**5.38**	
MW-35D	Offsite Wells	Deep	04/17/2014	GW0014_20140417	**4520**	**4.52**	
MW-35D	Offsite Wells	Deep	09/15/2016	GW-115	**3100**	**3.1**	
MW-35D	Offsite Wells	Deep	10/12/2022	MW-35D	**4100**	**4.1**	
MW-35D	Offsite Wells	Deep	09/11/2023	MW-35D	**3510**	**3.51**	
MW-35I	Offsite Wells	Intermediate	04/17/2014	GW0013_20140417	**9870**	**9.87**	
MW-35I	Offsite Wells	Intermediate	09/15/2016	GW-114	**10000**	**10**	
MW-35I	Offsite Wells	Intermediate	10/12/2022	MW-35I	**17900**	**17.9**	
MW-35I	Offsite Wells	Intermediate	09/11/2023	MW-35I	**8500**	**8.5**	
MW-36D	Offsite Wells	Deep	04/17/2014	GW0015_20140417	**2680**	**2.68**	
MW-36D	Offsite Wells	Deep	09/15/2016	GW-116	**2500**	**2.5**	
MW-36D	Offsite Wells	Deep	10/13/2022	MW-36D	**3240**	**3.24**	
MW-36D	Offsite Wells	Deep	03/09/2023	MW-36D	**2480**	**2.48**	
MW-36D	Offsite Wells	Deep	06/29/2023	MW-36D	**3190**	**3.19**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-36D	Offsite Wells	Deep	08/15/2023	MW-36D	**3000**	**3**	
MW-36D	Offsite Wells	Deep	09/13/2023	MW-36D	**2220**	**2.22**	
MW-36D	Offsite Wells	Deep	11/15/2023	MW-36D	4.8	0.0048	
MW-37D	Offsite Wells	Deep	09/15/2016	GW-118	**2200**	**2.2**	
MW-37D	Offsite Wells	Deep	10/13/2022	MW-37D	**9070**	**9.07**	
MW-37D	Offsite Wells	Deep	09/12/2023	MW-37D	**7620**	**7.62**	
MW-37S	Offsite Wells	Shallow	09/15/2016	GW-117	**2700**	**2.7**	
MW-37S	Offsite Wells	Shallow	10/13/2022	MW-37S	**2730**	**2.73**	
MW-37S	Offsite Wells	Shallow	09/12/2023	MW-37S	**2520**	**2.52**	
MW-38D	Offsite Wells	Deep	09/16/2016	GW-131	**2600**	**2.6**	
MW-38D	Offsite Wells	Deep	09/21/2020	MW-38D_092120	**3110**	**3.11**	
MW-38D	Offsite Wells	Deep	10/13/2022	MW-38D	**4180**	**4.18**	
MW-38D	Offsite Wells	Deep	09/12/2023	MW-38D	**4280**	**4.28**	
MW-39D	Offsite Wells	Deep	09/16/2016	GW-142	**470**	**0.47**	
MW-39D	Offsite Wells	Deep	09/24/2020	MW-39D_092420	**597**	**0.597**	
MW-39D	Offsite Wells	Deep	10/14/2022	MW-39D	**790**	**0.79**	
MW-39D	Offsite Wells	Deep	09/13/2023	MW-39D	**1080**	**1.08**	
MW-39I	Offsite Wells	Intermediate	09/19/2016	GW-140	**570**	**0.57**	
MW-39I	Offsite Wells	Intermediate	09/24/2020	MW-39I_092420	**1130**	**1.13**	
MW-39I	Offsite Wells	Intermediate	10/14/2022	MW-39I	**1100**	**1.1**	
MW-39I	Offsite Wells	Intermediate	09/13/2023	MW-39I	**1120**	**1.12**	
MW-39S	Offsite Wells	Shallow	09/19/2016	GW-141	**2400**	**2.4**	
MW-39S	Offsite Wells	Shallow	09/24/2020	MW-39S_092420	**207**	**0.207**	
MW-39S	Offsite Wells	Shallow	10/14/2022	MW-39S	**200**	**0.2**	
MW-39S	Offsite Wells	Shallow	09/13/2023	MW-39S	**176**	**0.176**	
MW-3D	Main Plant Area	Deep	03/12/2014	GW0018_20140312	**180**	**0.18**	
MW-3D	Main Plant Area	Deep	03/26/2019	MW-3D_20190326	**567**	**0.567**	
MW-4	Main Plant Area	Shallow	09/19/2016	GW-145	**27000**	**27**	J
MW-4	Main Plant Area	Shallow	03/27/2019	MW-4_20190327	**3800**	**3.8**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-40I	Offsite Wells	Intermediate	09/20/2016	GW-159	**2200**	**2.2**	J
MW-40I	Offsite Wells	Intermediate	09/20/2016	GW-158	**2100**	**2.1**	
MW-40I	Offsite Wells	Intermediate	03/27/2019	MW-40I_20190327	**1140**	**1.14**	
MW-40I	Offsite Wells	Intermediate	09/25/2020	MW-40I_092520	**940**	**0.94**	
MW-40I	Offsite Wells	Intermediate	11/02/2022	MW-40I	**838**	**0.838**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	DUP_031323	**1040**	**1.04**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	MW-40I	**948**	**0.948**	
MW-40I	Offsite Wells	Intermediate	06/27/2023	MW-40I	**1020**	**1.02**	
MW-40I	Offsite Wells	Intermediate	08/18/2023	MW-40I	**801**	**0.801**	
MW-40I	Offsite Wells	Intermediate	11/27/2023	MW-40I	**840**	**0.84**	
MW-40S	Offsite Wells	Shallow	09/22/2016	GW-161D	**1000**	**1**	
MW-40S	Offsite Wells	Shallow	09/22/2016	GW-161	**870**	**0.87**	
MW-40S	Offsite Wells	Shallow	03/22/2019	MW-40S_20190322	**1430**	**1.43**	
MW-40S	Offsite Wells	Shallow	09/25/2020	MW-40S_092520	**300**	**0.3**	
MW-40S	Offsite Wells	Shallow	11/02/2022	MW-40S	**461**	**0.461**	
MW-40S	Offsite Wells	Shallow	03/13/2023	MW-40S	**282**	**0.282**	
MW-40S	Offsite Wells	Shallow	06/27/2023	MW-40S	**442**	**0.442**	
MW-40S	Offsite Wells	Shallow	08/18/2023	MW-40S	**369**	**0.369**	
MW-40S	Offsite Wells	Shallow	09/14/2023	MW-40S	**147**	**0.147**	
MW-40S	Offsite Wells	Shallow	11/27/2023	DUP_112723	**406**	**0.406**	
MW-40S	Offsite Wells	Shallow	11/27/2023	MW-40S	**434**	**0.434**	
MW-41D	Offsite Wells	Deep	09/16/2016	GW-132	**700**	**0.7**	
MW-41D	Offsite Wells	Deep	09/22/2020	MW-41D_092220	**928**	**0.928**	
MW-41D	Offsite Wells	Deep	10/13/2022	MW-41D	**1250**	**1.25**	
MW-41D	Offsite Wells	Deep	09/12/2023	MW-41D	**1190**	**1.19**	
MW-41D	Offsite Wells	Deep	09/12/2023	DUP_091223	**1430**	**1.43**	
MW-42D	Offsite Wells	Deep	09/16/2016	GW-133	**140**	**0.14**	
MW-42D	Offsite Wells	Deep	09/22/2020	MW-42D_092220	**179**	**0.179**	
MW-42D	Offsite Wells	Deep	10/13/2022	MW-42D	**286**	**0.286**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-42D	Offsite Wells	Deep	03/09/2023	MW-42D	**275**	**0.275**	
MW-42D	Offsite Wells	Deep	06/29/2023	MW-42D	**364**	**0.364**	
MW-42D	Offsite Wells	Deep	08/17/2023	MW-42D	**299**	**0.299**	
MW-42D	Offsite Wells	Deep	09/12/2023	MW-42D	**399**	**0.399**	
MW-42D	Offsite Wells	Deep	11/17/2023	MW-42D	**314**	**0.314**	
MW-43D	Offsite Wells	Deep	09/19/2016	GW-143	**910**	**0.91**	J
MW-43D	Offsite Wells	Deep	09/24/2020	MW-43D_092420	**1090**	**1.09**	
MW-43D	Offsite Wells	Deep	10/14/2022	MW-43D	**1490**	**1.49**	
MW-43D	Offsite Wells	Deep	09/14/2023	MW-43D	**457**	**0.457**	
MW-43D	Offsite Wells	Deep	09/14/2023	DUP_091423	**3910**	**3.91**	
MW-43I	Offsite Wells	Intermediate	09/19/2016	GW-144	**1800**	**1.8**	
MW-43I	Offsite Wells	Intermediate	09/24/2020	MW-43I_092420	**1840**	**1.84**	
MW-43I	Offsite Wells	Intermediate	10/14/2022	MW-43I	**2140**	**2.14**	
MW-43I	Offsite Wells	Intermediate	09/14/2023	MW-43I	**1600**	**1.6**	
MW-44D	Offsite Wells	Deep	09/16/2016	GW-162	**1400**	**1.4**	
MW-44D	Offsite Wells	Deep	09/22/2020	MW-44D_092220	**1440**	**1.44**	
MW-44D	Offsite Wells	Deep	10/14/2022	MW-44D	**1870**	**1.87**	
MW-44D	Offsite Wells	Deep	10/14/2022	DUP_2022.10.14	**1800**	**1.8**	
MW-5D	Main Plant Area	Intermediate	03/11/2014	GW0019_20140311	**2970**	**2.97**	
MW-5D	Main Plant Area	Intermediate	03/22/2019	MW-5D_20190322FD	**2110**	**2.11**	
MW-5D	Main Plant Area	Intermediate	03/22/2019	MW-5D_20190322	**1910**	**1.91**	
MW-5DD	Main Plant Area	Deep	03/11/2014	GW0020_20140311	**2730**	**2.73**	
MW-5DD	Main Plant Area	Deep	03/11/2014	GW0021_20140311	**1950**	**1.95**	
MW-5DD	Main Plant Area	Deep	03/22/2019	MW-5DD_20190322	**1840**	**1.84**	
MW-5I	Main Plant Area	Intermediate	03/11/2014	GW0022_20140311	**3400**	**3.4**	
MW-5I	Main Plant Area	Intermediate	03/22/2019	MW-5I_20190322	**2300**	**2.3**	
MW-5I	Main Plant Area	Intermediate	10/20/2022	MW-5I	**1390**	**1.39**	
MW-5I	Main Plant Area	Intermediate	03/13/2023	MW-5I	**1040**	**1.04**	
MW-5I	Main Plant Area	Intermediate	06/29/2023	MW-5I	**1320**	**1.32**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-5I	Main Plant Area	Intermediate	08/18/2023	MW-5I	**990**	**0.99**	
MW-5I	Main Plant Area	Intermediate	11/17/2023	MW-5I	**1380**	**1.38**	
MW-5X	Main Plant Area	Middle PRM	03/12/2014	GW0023_20140312	**16**	**0.016**	U
MW-5X	Main Plant Area	Middle PRM	09/19/2016	GW-146	4.9	0.0049	
MW-5X	Main Plant Area	Middle PRM	09/30/2019	MW5X-093019	9.81	0.00981	
MW-5X	Main Plant Area	Middle PRM	09/30/2019	DUP-093019	9.15	0.00915	
MW-5X	Main Plant Area	Middle PRM	04/04/2023	MW-5X	10.4	0.0104	
MW-5X	Main Plant Area	Middle PRM	08/09/2023	MW-5X	9.9	0.0099	
MW-5X	Main Plant Area	Middle PRM	11/27/2023	MW-5X	**32**	**0.032**	
MW-6I	Main Plant Area	Intermediate	03/12/2014	GW0024_20140312	**25800**	**25.8**	
MW-6I	Main Plant Area	Intermediate	03/21/2019	MW-6I_20190321	**8690**	**8.69**	
MW-6I	Main Plant Area	Intermediate	11/01/2022	MW-6I	**11500**	**11.5**	
MW-6I	Main Plant Area	Intermediate	11/01/2022	DUP_2022.11.01	**11400**	**11.4**	
MW-6I	Main Plant Area	Intermediate	03/13/2023	MW-6I	**10400**	**10.4**	
MW-6I	Main Plant Area	Intermediate	06/26/2023	MW-6I	**13500**	**13.5**	
MW-6I	Main Plant Area	Intermediate	08/22/2023	MW-6I	**10200**	**10.2**	
MW-6I	Main Plant Area	Intermediate	11/27/2023	MW-6I	**11900**	**11.9**	
MW-6S	Main Plant Area	Shallow	03/12/2014	GW0025_20140312	**5180**	**5.18**	
P-2S	Main Plant Area	Shallow	03/13/2014	GW0026_20140313	**1800**	**1.8**	
P-2S	Main Plant Area	Shallow	03/28/2019	P-2S_20190328	**1630**	**1.63**	
P-2S	Main Plant Area	Shallow	10/01/2020	P-2S_100120	**2770**	**2.77**	
P-2S	Main Plant Area	Shallow	11/02/2022	P-2S	**441**	**0.441**	
P-2S	Main Plant Area	Shallow	11/02/2022	DUP_2022.11.02	**436**	**0.436**	
P-2S	Main Plant Area	Shallow	03/09/2023	P-2S	**363**	**0.363**	
P-2S	Main Plant Area	Shallow	06/28/2023	P-2S	**310**	**0.31**	
P-2S	Main Plant Area	Shallow	08/22/2023	P-2S	**172**	**0.172**	
P-2S	Main Plant Area	Shallow	11/29/2023	P-2S	**318**	**0.318**	
P-3D	Dredge Spoil Area	Lower PRM	04/18/2014	GW0004_20140418	**18**	**0.018**	U
P-3D	Dredge Spoil Area	Lower PRM	10/01/2020	P-3D_100120	10	0.01	
P-3D	Dredge Spoil Area	Lower PRM	09/20/2022	P-3D	**15.2**	**0.0152**	
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	DUP_031023	6.9	0.0069	
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	P-3D	5.9	0.0059	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
P-3D	Dredge Spoil Area	Lower PRM	08/08/2023	P-3D	**108**	**0.108**	
P-3D	Dredge Spoil Area	Lower PRM	11/28/2023	P-3D	12.9	0.0129	
P-3I	Dredge Spoil Area	Middle PRM	04/18/2014	GW0005_20140418	**240**	**0.24**	
P-3I	Dredge Spoil Area	Middle PRM	10/01/2020	P-3I_100120	**233**	**0.233**	
P-3I	Dredge Spoil Area	Middle PRM	09/20/2022	P-3I	**199**	**0.199**	
P-3I	Dredge Spoil Area	Middle PRM	03/10/2023	P-3I	**246**	**0.246**	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	DUP_080823	**272**	**0.272**	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	P-3I	**308**	**0.308**	
P-3I	Dredge Spoil Area	Middle PRM	11/28/2023	P-3I	**223**	**0.223**	
P-3S	Dredge Spoil Area	Shallow	04/18/2014	GW0006_20140418	**1180**	**1.18**	
P-3S	Dredge Spoil Area	Shallow	10/01/2020	P-3S_100120	**3610**	**3.61**	
P-3S	Dredge Spoil Area	Shallow	03/10/2023	P-3S	**2690**	**2.69**	
P-3S	Dredge Spoil Area	Shallow	06/28/2023	P-3S	**4090**	**4.09**	
P-3S	Dredge Spoil Area	Shallow	08/21/2023	P-3S	**3920**	**3.92**	
P-3S	Dredge Spoil Area	Shallow	11/28/2023	P-3S	**5760**	**5.76**	
P-5S	Main Plant Area	Shallow	03/13/2014	GW0027_20140313	**60000**	**60**	
P-5S	Main Plant Area	Shallow	03/26/2019	P-5S_20190326	**16400**	**16.4**	
P-6S	Main Plant Area	Shallow	03/14/2014	GW0028_20140314	**30400**	**30.4**	
P-6S	Main Plant Area	Shallow	03/28/2019	P-6S_20190328	**17800**	**17.8**	
P-6S	Main Plant Area	Shallow	11/02/2022	P-6S	**14200**	**14.2**	
P-6S	Main Plant Area	Shallow	06/26/2023	P-6S	**16100**	**16.1**	
P-6S	Main Plant Area	Shallow	08/23/2023	P-6S	**31300**	**31.3**	
P-6S	Main Plant Area	Shallow	09/14/2023	P-6S	**12300**	**12.3**	
P-6S	Main Plant Area	Shallow	11/29/2023	P-6S	**9750**	**9.75**	
P-7S	Main Plant Area	Shallow	03/27/2019	P-7S_20190327	**2920**	**2.92**	
PW-1	Main Plant Area	Intermediate	09/30/2019	PW-093019	**37.5**	**0.0375**	
PW-1	Main Plant Area	Intermediate	10/28/2019	PW-10282019	**48.7**	**0.0487**	
PZ-5	Dredge Spoil Area	Shallow	04/18/2014	GW0002_20140418	**270**	**0.27**	
PZ-5	Dredge Spoil Area	Shallow	04/18/2014	GW0001_20140418	**230**	**0.23**	
PZ-5	Dredge Spoil Area	Shallow	10/01/2020	PZ-5_100120	**343**	**0.343**	
PZ-5	Dredge Spoil Area	Shallow	09/20/2022	PZ-5	**291**	**0.291**	
PZ-5	Dredge Spoil Area	Shallow	03/10/2023	PZ-5	**126**	**0.126**	

Table 2. Perfluorononanoic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
PZ-5	Dredge Spoil Area	Shallow	06/28/2023	PZ-5	**325**	**0.325**	
PZ-5	Dredge Spoil Area	Shallow	08/22/2023	PZ-5	**252**	**0.252**	
PZ-5	Dredge Spoil Area	Shallow	11/28/2023	PZ-5	**204**	**0.204**	
PZ-6	Dredge Spoil Area	Shallow	04/18/2014	GW0003_20140418	**180**	**0.18**	
PZ-6	Dredge Spoil Area	Shallow	11/03/2022	PZ-6	**201**	**0.201**	
PZ-6	Dredge Spoil Area	Shallow	03/10/2023	PZ-6	**283**	**0.283**	
PZ-6	Dredge Spoil Area	Shallow	06/29/2023	PZ-6	**301**	**0.301**	
PZ-6	Dredge Spoil Area	Shallow	08/21/2023	PZ-6	**153**	**0.153**	
PZ-6	Dredge Spoil Area	Shallow	11/29/2023	PZ-6	**482**	**0.482**	
PZ-8	Dredge Spoil Area	Shallow	09/21/2016	GW-152	**240**	**0.24**	
PZ-8	Dredge Spoil Area	Shallow	10/19/2022	PZ-8	**35.6**	**0.0356**	
PZ-8	Dredge Spoil Area	Shallow	08/21/2023	PZ-8	**77.6**	**0.0776**	
PZ-8	Dredge Spoil Area	Shallow	09/14/2023	PZ-8	**81.1**	**0.0811**	
PZ-8	Dredge Spoil Area	Shallow	11/29/2023	PZ-8	**58.2**	**0.0582**	

Notes:

Bold sample result indicates value exceeds NJDEP GWQS (13 ng/L, 0.013 µg/L).

NJDEP GWQS = New Jersey Department of Environmental Protection Groundwater Quality Standard
ng/L = nanograms per liter (or parts per trillion, ppt)
µg/L = micrograms per liter (or parts per billion, ppb)
PRM = Potomac Raritan Magothy

Data Qualifiers:

J = estimated value
U = analyte not detected; the value reported is the method detection limit

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
M/H-1D	Main Plant Area	Deep	03/13/2014	GW0001_20140313	**170**	**0.17**	
M/H-1D	Main Plant Area	Deep	03/20/2019	MH-1D_20190320	**180**	**0.18**	
M/H-2D	Main Plant Area	Intermediate	03/11/2014	GW0002_20140311	**16200**	**16.2**	J
M/H-2D	Main Plant Area	Intermediate	03/20/2019	MH-2D_20190320	**6160**	**6.16**	
M/H-2D	Main Plant Area	Intermediate	09/29/2020	MH2D_092920	**4920**	**4.92**	
M/H-2D	Main Plant Area	Intermediate	10/20/2022	M/H-2D	**6380**	**6.38**	
M/H-2D	Main Plant Area	Intermediate	03/09/2023	M/H-2D	**4580**	**4.58**	
M/H-2D	Main Plant Area	Intermediate	06/27/2023	M/H-2D	**3850**	**3.85**	
M/H-2D	Main Plant Area	Intermediate	08/22/2023	M/H-2D	**1650**	**1.65**	
M/H-2D	Main Plant Area	Intermediate	09/13/2023	M/H-2D	**1580**	**1.58**	
M/H-2D	Main Plant Area	Intermediate	11/27/2023	M/H-2D	**1420**	**1.42**	
M/H-4	Main Plant Area	Shallow	03/14/2014	GW0003_20140314	**2580**	**2.58**	
M/H-4	Main Plant Area	Shallow	03/26/2019	MH-4_20190326	**1130**	**1.13**	
M/H-4D	Main Plant Area	Intermediate	03/13/2014	GW0004_20140313	**1160**	**1.16**	
M/H-4D	Main Plant Area	Intermediate	03/26/2019	MH-4D_20190326	**514**	**0.514**	
M/H-6D	Main Plant Area	Intermediate	03/14/2014	GW0005_20140314	**43**	**0.043**	
M/H-6D	Main Plant Area	Intermediate	03/27/2019	MH-6D_20190327	**76.9**	**0.0769**	
M/H-7D	Main Plant Area	Intermediate	03/11/2014	GW0006_20140311	**330**	**0.33**	
M/H-7D	Main Plant Area	Intermediate	03/20/2019	MH-7D_20190320	**704**	**0.704**	
MW-1	Main Plant Area	Shallow	03/12/2014	GW0007_20140312	**260**	**0.26**	
MW-1	Main Plant Area	Shallow	03/21/2019	MW-1_20190321	**21.6**	**0.0216**	
MW-101D	Offsite Wells	Deep	09/14/2016	GW-124	**15**	**0.015**	
MW-101D	Offsite Wells	Deep	12/17/2018	MW-101D-12172018	**27.5**	**0.0275**	
MW-101D	Offsite Wells	Deep	09/25/2020	MW-101D_092520	**30.4**	**0.0304**	
MW-101D	Offsite Wells	Deep	01/11/2022	MW-101D_RI2022	**36.5**	**0.0365**	
MW-101D	Offsite Wells	Deep	06/23/2023	MW-101D	**32.4**	**0.0324**	
MW-101D	Offsite Wells	Deep	08/17/2023	MW-101D	**33.9**	**0.0339**	
MW-101D	Offsite Wells	Deep	11/15/2023	MW-101D	**32.5**	**0.0325**	
MW-101S	Offsite Wells	Shallow	09/14/2016	GW-123	**45**	**0.045**	
MW-101S	Offsite Wells	Shallow	12/17/2018	MW-101S-12172018	**48.6**	**0.0486**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-101S	Offsite Wells	Shallow	12/17/2018	MW-101S-12172018-DUP	**45.9**	**0.0459**	
MW-101S	Offsite Wells	Shallow	09/25/2020	MW-101S_092520	**44.8**	**0.0448**	
MW-101S	Offsite Wells	Shallow	01/11/2022	MW-101S_RI2022	**43.7**	**0.0437**	
MW-101S	Offsite Wells	Shallow	06/23/2023	MW-101S	**52.1**	**0.0521**	
MW-101S	Offsite Wells	Shallow	08/16/2023	MW-101S	**169**	**0.169**	
MW-101S	Offsite Wells	Shallow	11/15/2023	MW-101S	**45.9**	**0.0459**	
MW-102D	Offsite Wells	Deep	09/21/2016	GW-171	**62**	**0.062**	
MW-102D	Offsite Wells	Deep	09/10/2018	102D-09102018-GW	**37.1**	**0.0371**	
MW-102D	Offsite Wells	Deep	12/20/2018	MW-102D-12202018	**51.3**	**0.0513**	
MW-102D	Offsite Wells	Deep	09/23/2020	MW-102D_092320	**92.7**	**0.0927**	
MW-102D	Offsite Wells	Deep	01/12/2022	MW-102D_RI2022	**88.5**	**0.0885**	
MW-102D	Offsite Wells	Deep	09/13/2022	MW-102D	**95.3**	**0.0953**	
MW-102D	Offsite Wells	Deep	03/07/2023	MW-102D	**77.7**	**0.0777**	
MW-102D	Offsite Wells	Deep	06/22/2023	MW-102D	**42.8**	**0.0428**	
MW-102D	Offsite Wells	Deep	08/15/2023	MW-102D	**71.8**	**0.0718**	
MW-102D	Offsite Wells	Deep	11/14/2023	MW-102D	**90.8**	**0.0908**	
MW-102S	Offsite Wells	Shallow	09/21/2016	GW-170	**100**	**0.1**	
MW-102S	Offsite Wells	Shallow	09/10/2018	102S-09102018-GW	**117**	**0.117**	
MW-102S	Offsite Wells	Shallow	12/20/2018	MW-102S-12202018	**102**	**0.102**	
MW-102S	Offsite Wells	Shallow	09/23/2020	MW-102S_092320	**104**	**0.104**	
MW-102S	Offsite Wells	Shallow	01/12/2022	MW-102S_RI2022	**111**	**0.111**	
MW-102S	Offsite Wells	Shallow	09/13/2022	MW-102S	**92.9**	**0.0929**	
MW-102S	Offsite Wells	Shallow	03/07/2023	MW-102S	**75.5**	**0.0755**	
MW-102S	Offsite Wells	Shallow	06/22/2023	MW-102S	**67.3**	**0.0673**	
MW-102S	Offsite Wells	Shallow	08/15/2023	MW-102S	**75.6**	**0.0756**	
MW-102S	Offsite Wells	Shallow	11/14/2023	MW-102S	**80.1**	**0.0801**	
MW-102X	Offsite Wells	Middle PRM	04/06/2023	MW-102X	0.44	0.00044	U
MW-102X	Offsite Wells	Middle PRM	08/09/2023	MW-102X	0.71	0.00071	U
MW-102X	Offsite Wells	Middle PRM	11/16/2023	MW-102X	0.68	0.00068	U

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-103D	Offsite Wells	Deep	09/15/2016	GW-110	12	0.012	
MW-103D	Offsite Wells	Deep	12/20/2018	MW-103D12202018	9.06	0.00906	
MW-103D	Offsite Wells	Deep	09/24/2020	MW-103D_092420	14	0.014	
MW-103D	Offsite Wells	Deep	01/12/2022	MW-103D_RI2022	10.3	0.0103	
MW-103D	Offsite Wells	Deep	09/14/2022	MW-103D	10.3	0.0103	
MW-103D	Offsite Wells	Deep	03/14/2023	MW-103D	7.7	0.0077	
MW-103D	Offsite Wells	Deep	06/23/2023	MW-103D	10.8	0.0108	
MW-103D	Offsite Wells	Deep	08/14/2023	MW-103D	10.9	0.0109	
MW-103D	Offsite Wells	Deep	11/13/2023	MW-103D	9.1	0.0091	
MW-103S	Offsite Wells	Shallow	09/15/2016	GW-109	**60**	**0.06**	
MW-103S	Offsite Wells	Shallow	12/20/2018	MW-103S-12202018	**89.7**	**0.0897**	
MW-103S	Offsite Wells	Shallow	09/24/2020	MW-103S_092420	**104**	**0.104**	
MW-103S	Offsite Wells	Shallow	01/12/2022	MW-103S_RI2022	7.8	0.0078	
MW-103S	Offsite Wells	Shallow	09/14/2022	MW-103S	**211**	**0.211**	
MW-103S	Offsite Wells	Shallow	09/14/2022	DUP_09.14.2022	**187**	**0.187**	
MW-103S	Offsite Wells	Shallow	03/14/2023	MW-103S	**83.6**	**0.0836**	
MW-103S	Offsite Wells	Shallow	06/23/2023	MW-103S	5.1	0.0051	
MW-103S	Offsite Wells	Shallow	06/23/2023	DUP_062323	4.8	0.0048	
MW-103S	Offsite Wells	Shallow	08/14/2023	MW-103S	10	0.01	
MW-103S	Offsite Wells	Shallow	11/13/2023	MW-103S	9.8	0.0098	
MW-104D	Offsite Wells	Deep	09/15/2016	GW-108	**51**	**0.051**	
MW-104D	Offsite Wells	Deep	12/20/2018	MW-104D12202018	**73.5**	**0.0735**	
MW-104D	Offsite Wells	Deep	09/24/2020	MW-104D_092420	11.8	0.0118	
MW-104D	Offsite Wells	Deep	01/14/2022	MW-104D_RI2022	**52.1**	**0.0521**	
MW-104D	Offsite Wells	Deep	09/13/2022	MW-104D	**53.1**	**0.0531**	
MW-104D	Offsite Wells	Deep	11/08/2022	MW-104D	**56.2**	**0.0562**	
MW-104D	Offsite Wells	Deep	03/08/2023	MW-104D	**64.7**	**0.0647**	
MW-104D	Offsite Wells	Deep	06/20/2023	MW-104D	2.7	0.0027	
MW-104D	Offsite Wells	Deep	08/15/2023	MW-104D	**63.6**	**0.0636**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-104D	Offsite Wells	Deep	11/13/2023	MW-104D	**67.5**	**0.0675**	
MW-104S	Offsite Wells	Shallow	09/15/2016	GW-107	**76**	**0.076**	
MW-104S	Offsite Wells	Shallow	12/20/2018	MW-104S-12202018	**63**	**0.063**	
MW-104S	Offsite Wells	Shallow	09/24/2020	MW-104S_092420	**49.7**	**0.0497**	
MW-104S	Offsite Wells	Shallow	01/14/2022	MW-104S_RI2022	13.6	0.0136	
MW-104S	Offsite Wells	Shallow	09/13/2022	MW-104S	**32.3**	**0.0323**	
MW-104S	Offsite Wells	Shallow	11/08/2022	MW-104S	**25.3**	**0.0253**	
MW-104S	Offsite Wells	Shallow	03/08/2023	MW-104S	**63.5**	**0.0635**	
MW-104S	Offsite Wells	Shallow	06/20/2023	MW-104S	3.1	0.0031	
MW-104S	Offsite Wells	Shallow	08/15/2023	MW-104S	**72.1**	**0.0721**	
MW-104S	Offsite Wells	Shallow	11/13/2023	MW-104S	**71**	**0.071**	
MW-105D	Offsite Wells	Deep	09/14/2016	GW-112	3.8	0.0038	J
MW-105D	Offsite Wells	Deep	12/19/2018	MW-105D-12192018	2	0.002	U
MW-105D	Offsite Wells	Deep	09/23/2020	MW-105D_092320	2.8	0.0028	J
MW-105D	Offsite Wells	Deep	09/12/2022	MW-105D	3.5	0.0035	J
MW-105D	Offsite Wells	Deep	03/07/2023	MW-105D	3.8	0.0038	
MW-105D	Offsite Wells	Deep	06/19/2023	MW-105D	3.6	0.0036	
MW-105D	Offsite Wells	Deep	08/14/2023	MW-105D	4.6	0.0046	
MW-105D	Offsite Wells	Deep	11/13/2023	MW-105D	2.8	0.0028	
MW-105S	Offsite Wells	Shallow	09/16/2016	GW-111	4.6	0.0046	J
MW-105S	Offsite Wells	Shallow	12/19/2018	MW-105S-12192018	4.83	0.00483	J
MW-105S	Offsite Wells	Shallow	09/23/2020	MW-105S_092320	4.3	0.0043	
MW-105S	Offsite Wells	Shallow	09/12/2022	MW-105S	4.7	0.0047	
MW-105S	Offsite Wells	Shallow	03/07/2023	MW-105S	4.2	0.0042	U
MW-105S	Offsite Wells	Shallow	06/19/2023	MW-105S	2.5	0.0025	
MW-105S	Offsite Wells	Shallow	08/14/2023	MW-105S	3.6	0.0036	
MW-105S	Offsite Wells	Shallow	11/13/2023	MW-105S	4.1	0.0041	
MW-106D	Offsite Wells	Deep	09/15/2016	GW-121	4.3	0.0043	
MW-106D	Offsite Wells	Deep	09/15/2016	GW-122	4.2	0.0042	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-106D	Offsite Wells	Deep	12/19/2018	MW-106D-12192018	2.2	0.0022	U
MW-106D	Offsite Wells	Deep	12/03/2020	MW-106D_120320	3	0.003	J
MW-106D	Offsite Wells	Deep	01/27/2022	MW-106D_RI2022	2.9	0.0029	J
MW-106D	Offsite Wells	Deep	09/16/2022	MW-106D	3.1	0.0031	J
MW-106D	Offsite Wells	Deep	11/09/2022	MW-106D	3.4	0.0034	J
MW-106D	Offsite Wells	Deep	03/14/2023	MW-106D	3.2	0.0032	
MW-106D	Offsite Wells	Deep	06/20/2023	MW-106D	2.9	0.0029	
MW-106D	Offsite Wells	Deep	08/15/2023	MW-106D	3.2	0.0032	
MW-106D	Offsite Wells	Deep	11/14/2023	MW-106D	4	0.004	
MW-106S	Offsite Wells	Shallow	09/15/2016	GW-120	4	0.004	J
MW-106S	Offsite Wells	Shallow	12/19/2018	MW-106S-12192018	8.5	0.0085	
MW-106S	Offsite Wells	Shallow	09/23/2020	MW-106S_092320	3.1	0.0031	J
MW-106S	Offsite Wells	Shallow	01/27/2022	DUP-1_012722_RI2022	2.3	0.0023	J
MW-106S	Offsite Wells	Shallow	01/27/2022	MW-106S_RI2022	2.3	0.0023	J
MW-106S	Offsite Wells	Shallow	09/16/2022	MW-106S	2.5	0.0025	J
MW-106S	Offsite Wells	Shallow	11/09/2022	MW-106S	3.4	0.0034	J
MW-106S	Offsite Wells	Shallow	03/14/2023	MW-106S	3.6	0.0036	
MW-106S	Offsite Wells	Shallow	06/20/2023	MW-106S	3.2	0.0032	
MW-106S	Offsite Wells	Shallow	08/15/2023	MW-106S	2.7	0.0027	
MW-106S	Offsite Wells	Shallow	11/14/2023	MW-106S	3.6	0.0036	
MW-107D	Offsite Wells	Deep	09/20/2016	GW-149	**190**	**0.19**	
MW-107D	Offsite Wells	Deep	12/18/2018	MW-107D-12182018	**177**	**0.177**	J
MW-107D	Offsite Wells	Deep	09/24/2020	MW-107D_092420	**200**	**0.2**	
MW-107D	Offsite Wells	Deep	01/27/2022	MW-107D_RI2022	**649**	**0.649**	
MW-107D	Offsite Wells	Deep	09/19/2022	MW-107D	**566**	**0.566**	
MW-107D	Offsite Wells	Deep	03/06/2023	MW-107D	**570**	**0.57**	
MW-107D	Offsite Wells	Deep	06/20/2023	MW-107D	**390**	**0.39**	
MW-107D	Offsite Wells	Deep	08/15/2023	MW-107D	**481**	**0.481**	
MW-107D	Offsite Wells	Deep	11/14/2023	MW-107D	**563**	**0.563**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-107S	Offsite Wells	Shallow	09/20/2016	GW-148	**41**	**0.041**	
MW-107S	Offsite Wells	Shallow	12/18/2018	MW-107S-12182018	**98.1**	**0.0981**	
MW-107S	Offsite Wells	Shallow	09/24/2020	MW-107S_092420	**151**	**0.151**	
MW-107S	Offsite Wells	Shallow	09/24/2020	DUP-2_092420	**148**	**0.148**	
MW-107S	Offsite Wells	Shallow	01/27/2022	MW-107S_RI2022	**234**	**0.234**	
MW-107S	Offsite Wells	Shallow	09/19/2022	MW-107S	**326**	**0.326**	
MW-107S	Offsite Wells	Shallow	03/06/2023	MW-107S	**354**	**0.354**	
MW-107S	Offsite Wells	Shallow	06/20/2023	MW-107S	**474**	**0.474**	
MW-107S	Offsite Wells	Shallow	08/15/2023	MW-107S	**435**	**0.435**	
MW-107S	Offsite Wells	Shallow	11/14/2023	DUP_111423	**469**	**0.469**	
MW-107S	Offsite Wells	Shallow	11/14/2023	MW-107S	**519**	**0.519**	
MW-108D	Offsite Wells	Middle PRM	12/14/2016	GW0026	6.6	0.0066	
MW-108D	Offsite Wells	Middle PRM	12/14/2016	GW0025	4.7	0.0047	
MW-108D	Offsite Wells	Middle PRM	12/16/2016	GW0027	5.5	0.0055	
MW-108D	Offsite Wells	Middle PRM	12/24/2016	GW0030	14	0.014	
MW-108D	Offsite Wells	Middle PRM	12/18/2018	MW-108D12182018	2.1	0.0021	UJ
MW-108D	Offsite Wells	Middle PRM	09/22/2020	MW-108D_092220	2.2	0.0022	J
MW-108D	Offsite Wells	Middle PRM	01/10/2022	MW-108D	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	09/12/2022	MW-108D	2.3	0.0023	U
MW-108D	Offsite Wells	Middle PRM	11/07/2022	MW-108D	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	06/19/2023	MW-108D	0.45	0.00045	U
MW-108D	Offsite Wells	Middle PRM	08/14/2023	MW-108D	0.71	0.00071	U
MW-108D	Offsite Wells	Middle PRM	11/16/2023	MW-108D	0.69	0.00069	U
MW-108S	Offsite Wells	Shallow	01/31/2017	GW0001	9.6	0.0096	
MW-108S	Offsite Wells	Shallow	12/17/2018	MW108S-12172018	**30**	**0.03**	
MW-108S	Offsite Wells	Shallow	09/22/2020	MW-108S_092220	11.9	0.0119	
MW-108S	Offsite Wells	Shallow	01/10/2022	MW-108S	**22.3**	**0.0223**	
MW-108S	Offsite Wells	Shallow	09/12/2022	MW-108S	**28.8**	**0.0288**	
MW-108S	Offsite Wells	Shallow	11/07/2022	MW-108S	**32.2**	**0.0322**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-108S	Offsite Wells	Shallow	06/19/2023	MW-108S	**31.4**	**0.0314**	
MW-108S	Offsite Wells	Shallow	08/14/2023	MW-108S	**42.1**	**0.0421**	
MW-108S	Offsite Wells	Shallow	11/16/2023	MW-108S	**36.8**	**0.0368**	
MW-109D	Offsite Wells	Deep	09/11/2018	109D-09112018-GW	7.03	0.00703	
MW-109D	Offsite Wells	Deep	12/18/2018	MW-109D12182018	7.03	0.00703	J
MW-109D	Offsite Wells	Deep	01/13/2022	MW-109D_RI2022	14	0.014	
MW-109D	Offsite Wells	Deep	09/15/2022	MW-109D	12.5	0.0125	
MW-109D	Offsite Wells	Deep	03/11/2023	MW-109D	**14.5**	**0.0145**	
MW-109D	Offsite Wells	Deep	06/27/2023	MW-109D	**20.3**	**0.0203**	
MW-109D	Offsite Wells	Deep	08/16/2023	DUP_081623	**15.3**	**0.0153**	
MW-109D	Offsite Wells	Deep	08/16/2023	MW-109D	**15.3**	**0.0153**	
MW-109S	Offsite Wells	Shallow	09/11/2018	109S-09112018-GW	**391**	**0.391**	J
MW-109S	Offsite Wells	Shallow	09/28/2020	MW-109S_092820	**321**	**0.321**	
MW-109S	Offsite Wells	Shallow	01/13/2022	MW-109S_RI2022	**321**	**0.321**	
MW-109S	Offsite Wells	Shallow	09/15/2022	MW-109S	**245**	**0.245**	
MW-109S	Offsite Wells	Shallow	03/11/2023	MW-109S	**297**	**0.297**	
MW-109S	Offsite Wells	Shallow	06/27/2023	MW-109S	**284**	**0.284**	
MW-109S	Offsite Wells	Shallow	08/16/2023	MW-109S	**211**	**0.211**	
MW-10I	Main Plant Area	Intermediate	03/13/2014	GW0009_20140313	**29300**	**29.3**	
MW-10I	Main Plant Area	Intermediate	03/21/2019	MW-10I_20190321	**7380**	**7.38**	
MW-10I	Main Plant Area	Intermediate	11/01/2022	MW-10I	**7460**	**7.46**	
MW-10I	Main Plant Area	Intermediate	03/13/2023	MW-10I	**5180**	**5.18**	
MW-10I	Main Plant Area	Intermediate	06/26/2023	MW-10I	**6970**	**6.97**	
MW-10I	Main Plant Area	Intermediate	08/22/2023	MW-10I	**6240**	**6.24**	
MW-10I	Main Plant Area	Intermediate	09/13/2023	MW-10I	**5400**	**5.4**	
MW-10I	Main Plant Area	Intermediate	11/27/2023	MW-10I	**10700**	**10.7**	
MW-10S	Main Plant Area	Shallow	03/13/2014	GW0010_20140313	**400**	**0.4**	
MW-10S	Main Plant Area	Shallow	03/21/2019	MW-10S_20190321	**291**	**0.291**	
MW-10X	Main Plant Area	Middle PRM	03/12/2014	GW0011_20140312	8.6	0.0086	U

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-10X	Main Plant Area	Middle PRM	09/19/2016	GW-147	4.7	0.0047	
MW-10X	Main Plant Area	Middle PRM	09/30/2019	MW10X-093019	3.55	0.00355	J
MW-10X	Main Plant Area	Middle PRM	04/04/2023	MW-10X	7.1	0.0071	
MW-10X	Main Plant Area	Middle PRM	08/09/2023	MW-10X	4.8	0.0048	
MW-10X	Main Plant Area	Middle PRM	11/27/2023	MW-10X	4.5	0.0045	
MW-110D	Offsite Wells	Deep	09/11/2018	110D-09112018-GW	**213**	**0.213**	
MW-110D	Offsite Wells	Deep	09/28/2020	MW-110D_092820	**367**	**0.367**	
MW-110D	Offsite Wells	Deep	01/27/2022	MW-110D_RI2022	**373**	**0.373**	
MW-110D	Offsite Wells	Deep	09/13/2022	MW-110D	**428**	**0.428**	
MW-110D	Offsite Wells	Deep	08/16/2023	MW-110D	**391**	**0.391**	
MW-110S	Offsite Wells	Shallow	09/11/2018	110S-09112018-GW	**453**	**0.453**	
MW-110S	Offsite Wells	Shallow	09/28/2020	MW-110S_092820	**335**	**0.335**	
MW-110S	Offsite Wells	Shallow	01/27/2022	MW-110S_RI2022	**328**	**0.328**	
MW-110S	Offsite Wells	Shallow	09/13/2022	MW-110S	**344**	**0.344**	
MW-111D	Offsite Wells	Deep	12/20/2018	MW-111D-12202018	**248**	**0.248**	J
MW-111D	Offsite Wells	Deep	10/01/2020	MW-111D_100120	**416**	**0.416**	
MW-111D	Offsite Wells	Deep	01/13/2022	MW-111D_RI2022	**374**	**0.374**	
MW-111D	Offsite Wells	Deep	09/13/2022	MW-111D	**305**	**0.305**	
MW-111D	Offsite Wells	Deep	03/11/2023	MW-111D	**388**	**0.388**	
MW-111D	Offsite Wells	Deep	06/27/2023	MW-111D	**407**	**0.407**	
MW-111D	Offsite Wells	Deep	08/16/2023	MW-11D	**342**	**0.342**	
MW-111D	Offsie Wells	Deep	11/17/2023	MW-111D	**317**	**0.317**	
MW-111S	Offsite Wells	Shallow	12/20/2018	DUP-12202018	**81.6**	**0.0816**	
MW-111S	Offsite Wells	Shallow	12/20/2018	MW-111S-12202018	**78**	**0.078**	
MW-111S	Offsite Wells	Shallow	10/01/2020	MW-111S_100120	**90.6**	**0.0906**	
MW-111S	Offsite Wells	Shallow	10/01/2020	DUP-3_100120	**88.2**	**0.0882**	
MW-111S	Offsite Wells	Shallow	01/13/2022	MW-111S_RI2022	**84**	**0.084**	
MW-111S	Offsite Wells	Shallow	09/13/2022	MW-111S	**73**	**0.073**	
MW-111S	Offsite Wells	Shallow	03/11/2023	MW-111S	**79.2**	**0.0792**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-111S	Offsite Wells	Shallow	06/27/2023	MW-111S	**95.8**	**0.0958**	
MW-111S	Offsite Wells	Shallow	06/27/2023	DUP_062723	**89**	**0.089**	
MW-111S	Offsite Wells	Shallow	08/16/2023	MW-111S	**67.7**	**0.0677**	
MW-111S	Offsite Wells	Shallow	11/17/2023	MW-111S	**82.3**	**0.0823**	
MW-112D	Offsite Wells	Deep	12/20/2018	MW-112D-12202018	14	0.014	
MW-112D	Offsite Wells	Deep	09/24/2020	MW-112D_092420	**60.3**	**0.0603**	
MW-112D	Offsite Wells	Deep	01/13/2022	MW-112D_RI2022	**70.7**	**0.0707**	
MW-112D	Offsite Wells	Deep	09/14/2022	MW-112D	**75.1**	**0.0751**	
MW-112D	Offsite Wells	Deep	11/08/2022	MW-112D	**61**	**0.061**	
MW-112D	Offsite Wells	Deep	03/07/2023	MW-112D	**55.9**	**0.0559**	
MW-112D	Offsite Wells	Deep	06/21/2023	MW-112D	**59.6**	**0.0596**	
MW-112D	Offsite Wells	Deep	08/15/2023	MW-112D	7.1	0.0071	
MW-112D	Offsite Wells	Deep	11/14/2023	MW-112D	**77.7**	**0.0777**	
MW-112S	Offsite Wells	Shallow	12/20/2018	MW-112S-12202018	**133**	**0.133**	
MW-112S	Offsite Wells	Shallow	09/24/2020	MW-112S_092420	**153**	**0.153**	
MW-112S	Offsite Wells	Shallow	01/13/2022	MW-112S_RI2022	**213**	**0.213**	
MW-112S	Offsite Wells	Shallow	09/14/2022	MW-112S	**248**	**0.248**	
MW-112S	Offsite Wells	Shallow	11/08/2022	MW-112S	**219**	**0.219**	
MW-112S	Offsite Wells	Shallow	03/07/2023	MW-112S	**144**	**0.144**	
MW-112S	Offsite Wells	Shallow	06/21/2023	MW-112S	3	0.003	
MW-112S	Offsite Wells	Shallow	08/15/2023	MW-112S	8.3	0.0083	
MW-112S	Offsite Wells	Shallow	11/14/2023	MW-112S	**218**	**0.218**	
MW-113D	Offsite Wells	Deep	12/19/2018	MW-113D-12192018	4.45	0.00445	J
MW-113D	Offsite Wells	Deep	09/24/2020	MW-113D_092420	7.2	0.0072	
MW-113D	Offsite Wells	Deep	01/13/2022	MW-113D_RI2022	10.7	0.0107	
MW-113D	Offsite Wells	Deep	01/13/2022	DUP-2_RI2022	7.3	0.0073	
MW-113D	Offsite Wells	Deep	09/14/2022	MW-113D	6.4	0.0064	
MW-113D	Offsite Wells	Deep	03/07/2023	MW-113D	8.6	0.0086	
MW-113D	Offsite Wells	Deep	06/21/2023	MW-113D	10.8	0.0108	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-113D	Offsite Wells	Deep	08/15/2023	MW-113D	10.5	0.0105	
MW-113D	Offsite Wells	Deep	11/14/2023	MW-113D	10.6	0.0106	
MW-113S	Offsite Wells	Shallow	12/19/2018	MW-113S-12192018	**77.4**	**0.0774**	J
MW-113S	Offsite Wells	Shallow	09/24/2020	MW-113S_092420	**190**	**0.19**	
MW-113S	Offsite Wells	Shallow	01/13/2022	MW-113S_RI2022	**99**	**0.099**	
MW-113S	Offsite Wells	Shallow	09/14/2022	MW-113S	**160**	**0.16**	
MW-113S	Offsite Wells	Shallow	03/07/2023	MW-113S	**130**	**0.13**	
MW-113S	Offsite Wells	Shallow	06/21/2023	MW-113S	**172**	**0.172**	
MW-113S	Offsite Wells	Shallow	08/15/2023	MW-113S	10.2	0.0102	
MW-113S	Offsite Wells	Shallow	11/14/2023	MW-113S	**240**	**0.24**	
MW-114D	Offsite Wells	Deep	12/19/2018	MW-114D-12192018	8.54	0.00854	J
MW-114D	Offsite Wells	Deep	09/22/2020	MW-114D_092220	7.3	0.0073	
MW-114D	Offsite Wells	Deep	01/11/2022	MW-114D_RI2022	9.9	0.0099	
MW-114D	Offsite Wells	Deep	09/13/2022	MW-114D	10.5	0.0105	
MW-114D	Offsite Wells	Deep	06/20/2023	MW-114D	8.6	0.0086	
MW-114D	Offsite Wells	Deep	08/14/2023	MW-114D	11	0.011	
MW-114D	Offsite Wells	Deep	11/14/2023	MW-114D	10.2	0.0102	
MW-114S	Offsite Wells	Shallow	12/19/2018	MW-114S-12192018	**21.3**	**0.0213**	
MW-114S	Offsite Wells	Shallow	09/22/2020	MW-114S_092220	**14.4**	**0.0144**	
MW-114S	Offsite Wells	Shallow	01/11/2022	MW-114S_RI2022	**23.4**	**0.0234**	
MW-114S	Offsite Wells	Shallow	09/13/2022	MW-114S	**26.2**	**0.0262**	
MW-114S	Offsite Wells	Shallow	03/07/2023	MW-114S	**16.3**	**0.0163**	
MW-114S	Offsite Wells	Shallow	06/20/2023	MW-114S	**20.5**	**0.0205**	
MW-114S	Offsite Wells	Shallow	08/14/2023	MW-114S	**26.7**	**0.0267**	
MW-114S	Offsite Wells	Shallow	11/14/2023	MW-114S	**29.7**	**0.0297**	
MW-114X	Offsite Wells	Lower PRM	03/28/2023	MW-114X	1.7	0.0017	J
MW-114X	Offsite Wells	Lower PRM	08/08/2023	MW-114X	1.4	0.0014	J
MW-115X	Offsite Wells	Middle PRM	05/06/2019	MW115X-050619	1.29	0.00129	J
MW-115X	Offsite Wells	Middle PRM	04/06/2023	MW-115X	4.2	0.0042	U

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-115X	Offsite Wells	Middle PRM	08/08/2023	MW-115X	0.74	0.00074	U
MW-115X	Offsite Wells	Middle PRM	11/27/2023	MW-115X	0.74	0.00074	U
MW-116D	Offsite Wells	Deep	09/23/2020	MW-116D_092320	5	0.005	U
MW-116D	Offsite Wells	Deep	01/12/2022	MW-116D_RI2022	**17**	**0.017**	U
MW-116D	Offsite Wells	Deep	09/13/2022	MW-116D	4.5	0.0045	
MW-116D	Offsite Wells	Deep	03/06/2023	MW-116D	3.6	0.0036	
MW-116D	Offsite Wells	Deep	06/22/2023	MW-116D	3	0.003	
MW-116D	Offsite Wells	Deep	08/15/2023	MW-116D	2.9	0.0029	
MW-116D	Offsite Wells	Deep	11/14/2023	MW-116D	3.6	0.0036	
MW-116S	Offsite Wells	Shallow	09/23/2020	DUP-1_092320	10	0.01	U
MW-116S	Offsite Wells	Shallow	09/23/2020	MW-116S_092320	10	0.01	U
MW-116S	Offsite Wells	Shallow	01/11/2022	MW-116S_RI2022	**25.4**	**0.0254**	
MW-116S	Offsite Wells	Shallow	09/13/2022	MW-116S	**17.3**	**0.0173**	
MW-116S	Offsite Wells	Shallow	03/06/2023	MW-116S	11.2	0.0112	
MW-116S	Offsite Wells	Shallow	06/22/2023	MW-116S	**15.8**	**0.0158**	
MW-116S	Offsite Wells	Shallow	08/15/2023	MW-116S	10.2	0.0102	
MW-116S	Offsite Wells	Shallow	11/14/2023	MW-116S	0.84	0.00084	J
MW-117D	Offsite Wells	Deep	09/23/2020	MW-117D_092320	**500**	**0.5**	U
MW-117D	Offsite Wells	Deep	12/04/2020	MW-117D_120420	11.7	0.0117	J
MW-117D	Offsite Wells	Deep	01/13/2022	MW-117D_RI2022	12.3	0.0123	
MW-117D	Offsite Wells	Deep	09/15/2022	MW-117D	9.6	0.0096	
MW-117D	Offsite Wells	Deep	03/06/2023	MW-117D	8.2	0.0082	
MW-117D	Offsite Wells	Deep	06/22/2023	MW-117D	10.6	0.0106	
MW-117D	Offsite Wells	Deep	08/16/2023	MW-117D	10	0.01	
MW-117D	Offsite Wells	Deep	11/15/2023	MW-117D	9.1	0.0091	
MW-117S	Offsite Wells	Shallow	09/23/2020	MW-117S_092320	**500**	**0.5**	U
MW-117S	Offsite Wells	Shallow	12/04/2020	MW-117S_120420	8.9	0.0089	J
MW-117S	Offsite Wells	Shallow	01/13/2022	MW-117S_RI2022	**15.4**	**0.0154**	
MW-117S	Offsite Wells	Shallow	09/15/2022	MW-117S	**14.2**	**0.0142**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-117S	Offsite Wells	Shallow	03/06/2023	MW-117S	11.1	0.0111	
MW-117S	Offsite Wells	Shallow	06/22/2023	MW-117S	**14.5**	**0.0145**	
MW-117S	Offsite Wells	Shallow	08/16/2023	MW-117S	**15.5**	**0.0155**	
MW-117S	Offsite Wells	Shallow	11/15/2023	MW-117S	**14.3**	**0.0143**	
MW-118D	Offsite Wells	Deep	09/24/2020	MW-118D_092420	**15.1**	**0.0151**	
MW-118D	Offsite Wells	Deep	01/12/2022	MW-118D_RI2022	**21.2**	**0.0212**	
MW-118D	Offsite Wells	Deep	09/14/2022	MW-118D	**30.1**	**0.0301**	
MW-118D	Offsite Wells	Deep	03/11/2023	MW-118D	**15.1**	**0.0151**	
MW-118D	Offsite Wells	Deep	06/22/2023	MW-118D	1.3	0.0013	J
MW-118D	Offsite Wells	Deep	08/16/2023	MW-118D	0.74	0.00074	U
MW-118D	Offsite Wells	Deep	11/15/2023	MW-118D	**29**	**0.029**	
MW-118S	Offsite Wells	Shallow	09/24/2020	MW-118S_092420	**41.4**	**0.0414**	
MW-118S	Offsite Wells	Shallow	01/12/2022	MW-118S_RI2022	**45.2**	**0.0452**	
MW-118S	Offsite Wells	Shallow	09/14/2022	MW-118S	**47**	**0.047**	
MW-118S	Offsite Wells	Shallow	03/11/2023	MW-118S	**41.7**	**0.0417**	
MW-118S	Offsite Wells	Shallow	06/22/2023	MW-118S	**37.5**	**0.0375**	
MW-118S	Offsite Wells	Shallow	08/16/2023	MW-118S	**35.7**	**0.0357**	
MW-118S	Offsite Wells	Shallow	11/15/2023	MW-118S	**42.6**	**0.0426**	
MW-119D	Offsite Wells	Deep	09/22/2020	MW-119D_092220	3.7	0.0037	J
MW-119D	Offsite Wells	Deep	01/10/2022	DUP-1_RI2022	5.6	0.0056	
MW-119D	Offsite Wells	Deep	01/10/2022	MW-119D_RI2022	4.6	0.0046	
MW-119D	Offsite Wells	Deep	09/12/2022	MW-119D	6.7	0.0067	
MW-119D	Offsite Wells	Deep	11/07/2022	MW-119D	5.7	0.0057	
MW-119D	Offsite Wells	Deep	03/08/2023	MW-119D	**14.1**	**0.0141**	J
MW-119D	Offsite Wells	Deep	06/19/2023	MW-119D	10.8	0.0108	
MW-119D	Offsite Wells	Deep	08/14/2023	MW-119D	9.2	0.0092	
MW-119D	Offsite Wells	Deep	11/14/2023	MW-119D	10.3	0.0103	
MW-119S	Offsite Wells	Shallow	09/22/2020	MW-119S_092220	3.1	0.0031	J
MW-119S	Offsite Wells	Shallow	01/10/2022	MW-119S_RI2022	4	0.004	J

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-119S	Offsite Wells	Shallow	09/12/2022	MW-119S	6.1	0.0061	
MW-119S	Offsite Wells	Shallow	11/07/2022	MW-119S	5.9	0.0059	
MW-119S	Offsite Wells	Shallow	03/08/2023	MW-119S	6.5	0.0065	
MW-119S	Offsite Wells	Shallow	06/19/2023	MW-119S	9.5	0.0095	
MW-119S	Offsite Wells	Shallow	08/14/2023	MW-119S	8.7	0.0087	
MW-119S	Offsite Wells	Shallow	11/14/2023	MW-119S	7.1	0.0071	
MW-11D	Main Plant Area	Intermediate	03/12/2014	GW0012_20140312	**460**	**0.46**	
MW-11D	Main Plant Area	Intermediate	03/22/2019	MW-11D_20190322	**270**	**0.27**	
MW-11DD	Main Plant Area	Deep	03/12/2014	GW0013_20140312	**210**	**0.21**	
MW-11DD	Main Plant Area	Deep	03/22/2019	MW-11DD_20190322	**230**	**0.23**	
MW-120D	Offsite Wells	Deep	12/17/2018	MW-120D-12172018	**196**	**0.196**	
MW-120D	Offsite Wells	Deep	09/28/2020	MW-120D_092820	**159**	**0.159**	
MW-120D	Offsite Wells	Deep	01/13/2022	MW-120D_RI2022	**150**	**0.15**	
MW-120D	Offsite Wells	Deep	09/15/2022	MW-120D	**111**	**0.111**	
MW-120D	Offsite Wells	Deep	03/13/2023	MW-120D	**130**	**0.13**	
MW-120D	Offsite Wells	Deep	06/21/2023	DUP_062123	**146**	**0.146**	
MW-120D	Offsite Wells	Deep	06/21/2023	MW-120D	**139**	**0.139**	
MW-120D	Offsite Wells	Deep	08/17/2023	MW-120D	**58.4**	**0.0584**	
MW-120D	Offsite Wells	Deep	11/16/2023	MW-120D	**126**	**0.126**	
MW-120S	Offsite Wells	Shallow	12/17/2018	MW-120S-12172018	**93.1**	**0.0931**	
MW-120S	Offsite Wells	Shallow	09/28/2020	MW-120S_092820	**98**	**0.098**	
MW-120S	Offsite Wells	Shallow	01/13/2022	MW-120S_RI2022	**95.8**	**0.0958**	
MW-120S	Offsite Wells	Shallow	09/15/2022	MW-120S	**76.8**	**0.0768**	
MW-120S	Offsite Wells	Shallow	03/13/2023	MW-120S	**78.7**	**0.0787**	
MW-120S	Offsite Wells	Shallow	06/21/2023	MW-120S	**116**	**0.116**	
MW-120S	Offsite Wells	Shallow	08/17/2023	MW-120S	**45.6**	**0.0456**	
MW-120S	Offsite Wells	Shallow	11/16/2023	MW-120S	**74.6**	**0.0746**	
MW-121D	Offsite Wells	Deep	12/20/2018	MW-121D-12202018	**70.1**	**0.0701**	
MW-121D	Offsite Wells	Deep	09/25/2020	MW-121D_092520	**75.8**	**0.0758**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-121D	Offsite Wells	Deep	01/14/2022	MW-121D_RI2022	**96.5**	**0.0965**	
MW-121D	Offsite Wells	Deep	09/16/2022	MW-121D	**91.6**	**0.0916**	
MW-121D	Offsite Wells	Deep	03/10/2023	MW-121D	**77.4**	**0.0774**	
MW-121D	Offsite Wells	Deep	06/26/2023	MW-121D	**121**	**0.121**	
MW-121D	Offsite Wells	Deep	08/16/2023	MW-121D	**97.7**	**0.0977**	
MW-121D	Offsite Wells	Deep	11/15/2023	MW-121D	**43.1**	**0.0431**	
MW-121S	Offsite Wells	Shallow	12/20/2018	MW-121S-12202018	**165**	**0.165**	
MW-121S	Offsite Wells	Shallow	09/25/2020	MW-121S_092520	**166**	**0.166**	
MW-121S	Offsite Wells	Shallow	01/14/2022	MW-121S_RI2022	**164**	**0.164**	
MW-121S	Offsite Wells	Shallow	09/16/2022	MW-121S	**133**	**0.133**	
MW-121S	Offsite Wells	Shallow	03/10/2023	MW-121S	**168**	**0.168**	
MW-121S	Offsite Wells	Shallow	06/26/2023	MW-121S	2.3	0.0023	
MW-121S	Offsite Wells	Shallow	08/16/2023	MW-121S	**159**	**0.159**	
MW-121S	Offsite Wells	Shallow	11/15/2023	MW-121S	**149**	**0.149**	
MW-122D	Offsite Wells	Deep	09/28/2020	MW-122D_092820	**52.9**	**0.0529**	
MW-122D	Offsite Wells	Deep	01/14/2022	MW-122D_RI2022	**51.2**	**0.0512**	
MW-122D	Offsite Wells	Deep	09/16/2022	MW-122D	**43.1**	**0.0431**	
MW-122D	Offsite Wells	Deep	11/09/2022	MW-122D	**44.2**	**0.0442**	
MW-122D	Offsite Wells	Deep	03/28/2023	MW-122D	**58.1**	**0.0581**	
MW-122D	Offsite Wells	Deep	03/28/2023	DUP_032823	**56.6**	**0.0566**	
MW-122D	Offsite Wells	Deep	06/26/2023	MW-122D	**52.8**	**0.0528**	
MW-122D	Offsite Wells	Deep	08/17/2023	MW-122D	**26.2**	**0.0262**	
MW-122D	Offsite Wells	Deep	11/16/2023	MW-122D	**48**	**0.048**	
MW-122S	Offsite Wells	Shallow	09/28/2020	MW-122S_092820	**161**	**0.161**	
MW-122S	Offsite Wells	Shallow	01/14/2022	MW-122S_RI2022	**186**	**0.186**	
MW-122S	Offsite Wells	Shallow	09/16/2022	MW-122S	**92.6**	**0.0926**	
MW-122S	Offsite Wells	Shallow	11/09/2022	DUP1-11.09.2022	**78.2**	**0.0782**	
MW-122S	Offsite Wells	Shallow	11/09/2022	MW-122S	**78.2**	**0.0782**	
MW-122S	Offsite Wells	Shallow	03/28/2023	MW-122S	**79**	**0.079**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-122S	Offsite Wells	Shallow	06/26/2023	MW-122S	**83.9**	**0.0839**	
MW-122S	Offsite Wells	Shallow	08/17/2023	MW-122S	**29.8**	**0.0298**	
MW-122S	Offsite Wells	Shallow	11/16/2023	MW-122S	**63.3**	**0.0633**	
MW-123D	Offsite Wells	Lower PRM	09/28/2020	MW-123D_092820	5.3	0.0053	
MW-123D	Offsite Wells	Lower PRM	01/14/2022	MW-123D_RI2022	**44.2**	**0.0442**	
MW-123D	Offsite Wells	Lower PRM	09/19/2022	MW-123D	6.7	0.0067	
MW-123D	Offsite Wells	Lower PRM	04/05/2023	MW-123D	8.6	0.0086	J
MW-123D	Offsite Wells	Lower PRM	08/18/2023	MW-123D	2	0.002	
MW-123I	Offsite Wells	Middle PRM	09/28/2020	MW-123I_092820	**137**	**0.137**	
MW-123I	Offsite Wells	Middle PRM	01/14/2022	MW-123I_RI2022	**135**	**0.135**	
MW-123I	Offsite Wells	Middle PRM	09/19/2022	MW-123I	**166**	**0.166**	
MW-123I	Offsite Wells	Middle PRM	04/05/2023	MW-123I	**190**	**0.19**	
MW-123I	Offsite Wells	Middle PRM	08/18/2023	MW-123I	**140**	**0.14**	
MW-123S	Offsite Wells	Shallow	09/28/2020	MW-123S_092820	**180**	**0.18**	
MW-123S	Offsite Wells	Shallow	01/14/2022	MW-123S_RI2022	**199**	**0.199**	
MW-123S	Offsite Wells	Shallow	09/19/2022	MW-123S	**223**	**0.223**	
MW-123S	Offsite Wells	Shallow	03/13/2023	MW-123S	**180**	**0.18**	
MW-123S	Offsite Wells	Shallow	06/23/2023	MW-123S	**183**	**0.183**	
MW-123S	Offsite Wells	Shallow	08/18/2023	MW-123S	**174**	**0.174**	
MW-124D	Offsite Wells	Deep	12/04/2020	MW-124D_120420	**71**	**0.071**	
MW-124D	Offsite Wells	Deep	01/14/2022	MW-124D_RI2022	**103**	**0.103**	
MW-124D	Offsite Wells	Deep	09/20/2022	MW-124D	**142**	**0.142**	
MW-124D	Offsite Wells	Deep	03/08/2023	DUP_030823	**153**	**0.153**	
MW-124D	Offsite Wells	Deep	03/08/2023	MW-124D	**132**	**0.132**	
MW-124D	Offsite Wells	Deep	06/23/2023	MW-124D	**116**	**0.116**	
MW-124D	Offsite Wells	Deep	08/18/2023	MW-124D	**149**	**0.149**	
MW-124D	Offsite Wells	Deep	11/16/2023	MW-124D	**135**	**0.135**	
MW-124S	Offsite Wells	Shallow	12/04/2020	DUP_120420	**99.7**	**0.0997**	
MW-124S	Offsite Wells	Shallow	12/04/2020	MW-124S_120420	**96.5**	**0.0965**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-124S	Offsite Wells	Shallow	01/14/2022	MW-124S_RI2022	**126**	**0.126**	
MW-124S	Offsite Wells	Shallow	09/20/2022	MW-124S	**134**	**0.134**	
MW-124S	Offsite Wells	Shallow	03/08/2023	MW-124S	**107**	**0.107**	
MW-124S	Offsite Wells	Shallow	06/23/2023	MW-124S	**110**	**0.11**	
MW-124S	Offsite Wells	Shallow	08/18/2023	MW-124S	**96.8**	**0.0968**	
MW-124S	Offsite Wells	Shallow	11/16/2023	MW-124S	**118**	**0.118**	
MW-125D	Offsite Wells	Deep	12/03/2020	MW-125D_120320	**40**	**0.04**	U
MW-125D	Offsite Wells	Deep	12/03/2020	MW-125D_120320B	10	0.01	U
MW-125D	Offsite Wells	Deep	01/13/2022	MW-125D_RI2022	4.3	0.0043	
MW-125D	Offsite Wells	Deep	09/15/2022	MW-125D	13.2	0.0132	
MW-125D	Offsite Wells	Deep	03/09/2023	MW-125D	13.7	0.0137	
MW-125D	Offsite Wells	Deep	06/20/2023	MW-125D	12.7	0.0127	
MW-125D	Offsite Wells	Deep	08/14/2023	MW-125D	**16.4**	**0.0164**	
MW-125D	Offsite Wells	Deep	11/13/2023	MW-125D	10.3	0.0103	
MW-125S	Offsite Wells	Shallow	12/03/2020	MW-125S_120320	6.9	0.0069	
MW-125S	Offsite Wells	Shallow	01/13/2022	MW-125S_RI2022	8.7	0.0087	
MW-125S	Offsite Wells	Shallow	09/15/2022	MW-125S	12.9	0.0129	
MW-125S	Offsite Wells	Shallow	03/09/2023	MW-125S	**15.8**	**0.0158**	
MW-125S	Offsite Wells	Shallow	06/20/2023	MW-125S	**15.5**	**0.0155**	
MW-125S	Offsite Wells	Shallow	08/14/2023	MW-125S	14	0.014	
MW-125S	Offsite Wells	Shallow	11/13/2023	MW-125S	**15.4**	**0.0154**	
MW-126D	Offsite Wells	Deep	12/30/2021	MW-126D	2.2	0.0022	J
MW-126D	Offsite Wells	Deep	09/12/2022	MW-126D	2.1	0.0021	U
MW-126D	Offsite Wells	Deep	09/12/2022	DUP_09.12.2022	2	0.002	U
MW-126D	Offsite Wells	Deep	03/06/2023	DUP_030623	1.3	0.0013	J
MW-126D	Offsite Wells	Deep	03/06/2023	MW-126D	1.1	0.0011	J
MW-126D	Offsite Wells	Deep	06/19/2023	MW-126D	1.1	0.0011	J
MW-126D	Offsite Wells	Deep	06/19/2023	DUP_061923	0.84	0.00084	J
MW-126D	Offsite Wells	Deep	08/14/2023	DUP_081423	0.74	0.00074	J

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-126D	Offsite Wells	Deep	08/14/2023	MW-126D	0.74	0.00074	U
MW-126D	Offsite Wells	Deep	11/13/2023	MW-126D	0.77	0.00077	J
MW-126S	Offsite Wells	Shallow	12/30/2021	MW-126S	3.3	0.0033	J
MW-126S	Offsite Wells	Shallow	09/12/2022	MW-126S	4.2	0.0042	
MW-126S	Offsite Wells	Shallow	03/06/2023	MW-126S	2.9	0.0029	
MW-126S	Offsite Wells	Shallow	06/19/2023	MW-126S	2.8	0.0028	
MW-126S	Offsite Wells	Shallow	08/14/2023	MW-126S	4.2	0.0042	
MW-126S	Offsite Wells	Shallow	11/13/2023	MW-126S	3.3	0.0033	
MW-127D	Offsite Wells	Deep	12/30/2021	MW-127D	**173**	**0.173**	
MW-127D	Offsite Wells	Deep	09/19/2022	MW-127D	**182**	**0.182**	
MW-127D	Offsite Wells	Deep	09/19/2022	DUP_09.19.2022	**158**	**0.158**	
MW-127D	Offsite Wells	Deep	03/08/2023	MW-127D	**182**	**0.182**	
MW-127D	Offsite Wells	Deep	06/21/2023	MW-127D	**165**	**0.165**	
MW-127D	Offsite Wells	Deep	08/18/2023	DUP_081823	**105**	**0.105**	
MW-127D	Offsite Wells	Deep	08/18/2023	MW-127D	**121**	**0.121**	
MW-127D	Offsite Wells	Deep	11/16/2023	MW-127D	**123**	**0.123**	
MW-127S	Offsite Wells	Shallow	12/30/2021	DUP1-123021	**21.8**	**0.0218**	
MW-127S	Offsite Wells	Shallow	12/30/2021	MW-127S	**21.8**	**0.0218**	
MW-127S	Offsite Wells	Shallow	09/19/2022	MW-127S	**34.1**	**0.0341**	
MW-127S	Offsite Wells	Shallow	03/08/2023	MW-127S	**25.7**	**0.0257**	
MW-127S	Offsite Wells	Shallow	06/21/2023	MW-127S	**26.6**	**0.0266**	
MW-127S	Offsite Wells	Shallow	08/18/2023	MW-127S	**31.4**	**0.0314**	
MW-127S	Offsite Wells	Shallow	11/16/2023	MW-127S	**24.5**	**0.0245**	
MW-128S	Main Plant Area	Shallow	03/10/2023	MW-128S	**54200**	**54.2**	
MW-128S	Main Plant Area	Shallow	06/26/2023	MW-128S	**71100**	**71.1**	
MW-128S	Main Plant Area	Shallow	08/23/2023	MW-128S	**104000**	**104**	
MW-128S	Main Plant Area	Shallow	11/29/2023	MW-128S	**52000**	**52**	
MW-129S	Main Plant Area	Shallow	03/10/2023	MW-129S	**10200**	**10.2**	
MW-129S	Main Plant Area	Shallow	06/26/2023	MW-129S	**5860**	**5.86**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-129S	Main Plant Area	Shallow	08/23/2023	MW-129S	**7490**	**7.49**	
MW-129S	Main Plant Area	Shallow	08/23/2023	DUP_082323	**9420**	**9.42**	
MW-129S	Main Plant Area	Shallow	11/29/2023	MW-129S	**4140**	**4.14**	
MW-12S	Main Plant Area	Shallow	03/25/2019	MW-12S_20190325	**242**	**0.242**	
MW-130D	Offsite Wells	Deep	08/17/2023	MW-130D	10.2	0.0102	
MW-130D	Offsite Wells	Deep	11/17/2023	MW-130D	**227**	**0.227**	
MW-130S	Offsite Wells	Shallow	08/17/2023	MW-130S	**221**	**0.221**	
MW-130S	Offsite Wells	Shallow	11/17/2023	MW-130S	**201**	**0.201**	
MW-131D	Offsite Wells	Deep	08/17/2023	MW-131D	**77.2**	**0.0772**	
MW-131D	Offsite Wells	Deep	11/17/2023	MW-131D	**71.2**	**0.0712**	
MW-131S	Offsite Wells	Shallow	08/17/2023	MW-131S	**22.1**	**0.0221**	
MW-131S	Offsite Wells	Shallow	11/17/2023	DUP_111723	**40.8**	**0.0408**	
MW-131S	Offsite Wells	Shallow	11/17/2023	MW-131S	**42.9**	**0.0429**	
MW-132D	Offsite Wells	Deep	08/17/2023	MW-132D	**20.9**	**0.0209**	
MW-132D	Offsite Wells	Deep	11/16/2023	MW-132D	**48.1**	**0.0481**	
MW-132S	Offsite Wells	Shallow	08/17/2023	MW-132S	**49**	**0.049**	
MW-132S	Offsite Wells	Shallow	11/16/2023	MW-132S	**49.8**	**0.0498**	
MW-133D	Offsite Wells	Deep	08/17/2023	MW-133D	**47.4**	**0.0474**	
MW-133D	Offsite Wells	Deep	11/16/2023	MW-133D	**43.7**	**0.0437**	
MW-133S	Offsite Wells	Shallow	08/17/2023	MW-133S	**14.3**	**0.0143**	
MW-133S	Offsite Wells	Shallow	11/16/2023	MW-133S	8.9	0.0089	
MW-134D	Offsite Wells	Deep	08/16/2023	MW-134D	2.5	0.0025	
MW-134D	Offsite Wells	Deep	11/15/2023	DUP_111523	6.5	0.0065	
MW-134D	Offsite Wells	Deep	11/15/2023	MW-134D	5.8	0.0058	
MW-134S	Offsite Wells	Shallow	08/16/2023	MW-134S	9.7	0.0097	
MW-134S	Offsite Wells	Shallow	11/15/2023	MW-134S	9.1	0.0091	
MW-135D	Offsite Wells	Deep	11/13/2023	MW-135D	1.5	0.0015	J
MW-135S	Offsite Wells	Shallow	11/13/2023	MW-135S	5.6	0.0056	U
MW-14S	Main Plant Area	Shallow	03/25/2019	MW-14S_20190325	**343**	**0.343**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-15S	Main Plant Area	Shallow	03/13/2014	GW0014_20140313	**270**	**0.27**	
MW-15S	Main Plant Area	Shallow	03/25/2019	MW-15S_20190325	**238**	**0.238**	
MW-16I	Main Plant Area	Intermediate	09/20/2016	GW-156	**230**	**0.23**	
MW-16I	Main Plant Area	Intermediate	03/25/2019	MW-16I_20190325	**184**	**0.184**	
MW-16S	Main Plant Area	Shallow	09/22/2016	GW-160	**680**	**0.68**	
MW-16S	Main Plant Area	Shallow	03/25/2019	MW-16S_20190325	**263**	**0.263**	
MW-16S	Main Plant Area	Shallow	11/02/2022	MW-16S	**87**	**0.087**	
MW-16S	Main Plant Area	Shallow	03/09/2023	MW-16S	**155**	**0.155**	
MW-16S	Main Plant Area	Shallow	06/27/2023	MW-16S	**420**	**0.42**	
MW-16S	Main Plant Area	Shallow	08/23/2023	MW-16S	**334**	**0.334**	J
MW-16S	Main Plant Area	Shallow	09/14/2023	MW-16S	**1020**	**1.02**	
MW-16S	Main Plant Area	Shallow	11/29/2023	MW-16S	**65.5**	**0.0655**	
MW-17S	Main Plant Area	Shallow	03/13/2014	GW0015_20140313	**800**	**0.8**	
MW-17S	Main Plant Area	Shallow	03/25/2019	MW-17S_20190325	**88.7**	**0.0887**	
MW-18D	Offsite Wells	Deep	03/21/2014	GW0034_20140321	**70**	**0.07**	
MW-18D	Offsite Wells	Deep	09/16/2016	GW-136	**150**	**0.15**	
MW-18I	Offsite Wells	Intermediate	03/21/2014	GW0035_20140321	**24600**	**24.6**	
MW-18I	Offsite Wells	Intermediate	09/16/2016	GW-137	**27000**	**27**	
MW-18S	Offsite Wells	Shallow	03/21/2014	GW0036_20140321	**310**	**0.31**	
MW-19D	Offsite Wells	Deep	03/21/2014	GW0037_20140321	**2220**	**2.22**	
MW-19D	Offsite Wells	Deep	09/21/2016	GW-150	**4900**	**4.9**	
MW-19D	Offsite Wells	Deep	09/23/2020	MW-19D_092320	**2630**	**2.63**	
MW-19D	Offsite Wells	Deep	10/18/2022	MW-19D	**4370**	**4.37**	
MW-19D	Offsite Wells	Deep	03/14/2023	MW-19D	**4260**	**4.26**	
MW-19D	Offsite Wells	Deep	06/28/2023	MW-19D	**3650**	**3.65**	
MW-19D	Offsite Wells	Deep	08/18/2023	MW-19D	**3070**	**3.07**	
MW-19D	Offsite Wells	Deep	09/07/2023	MW-19D	**26.2**	**0.0262**	
MW-19D	Offsite Wells	Deep	11/17/2023	MW-19D	**2720**	**2.72**	
MW-19I	Offsite Wells	Intermediate	03/21/2014	GW0038_20140321	**4090**	**4.09**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-19I	Offsite Wells	Intermediate	09/16/2016	GW-125	**3700**	**3.7**	
MW-19I	Offsite Wells	Intermediate	10/01/2020	MW-19I_100120	**4320**	**4.32**	
MW-19I	Offsite Wells	Intermediate	09/20/2022	MW-19I	**8350**	**8.35**	
MW-19I	Offsite Wells	Intermediate	03/14/2023	MW-19I	**6050**	**6.05**	
MW-19I	Offsite Wells	Intermediate	06/28/2023	MW-19I	**4600**	**4.6**	
MW-19I	Offsite Wells	Intermediate	08/18/2023	MW-19I	**4060**	**4.05**	
MW-19I	Offsite Wells	Intermediate	11/17/2023	MW-19I	**5280**	**5.28**	
MW-19S	Offsite Wells	Shallow	03/21/2014	GW0039_20140321	**470**	**0.47**	
MW-19S	Offsite Wells	Shallow	10/01/2020	MW-19S_100120	**77.8**	**0.0778**	
MW-19S	Offsite Wells	Shallow	03/14/2023	MW-19S	**368**	**0.368**	
MW-19S	Offsite Wells	Shallow	11/16/2023	MW-19S	**15.9**	**0.0159**	
MW-19X	Offsite Wells	Middle PRM	09/21/2016	GW-151	6.9	0.0069	
MW-19X	Offsite Wells	Middle PRM	10/28/2019	MW19X-10282019	12	0.012	
MW-19X	Offsite Wells	Middle PRM	04/05/2023	MW-19X	**135**	**0.135**	
MW-19X	Offsite Wells	Middle PRM	08/18/2023	MW-19X	**167**	**0.167**	
MW-19X	Offsite Wells	Middle PRM	11/16/2023	MW-19X	**197**	**0.197**	
MW-1D	Main Plant Area	Deep	03/12/2014	GW0008_20140312	**930**	**0.93**	
MW-1D	Main Plant Area	Deep	03/21/2019	MW-1D_20190321	**2900**	**2.9**	
MW-1D	Main Plant Area	Deep	03/21/2019	MW-1D_20190321FD	**2810**	**2.81**	
MW-1D	Main Plant Area	Deep	10/20/2022	MW-1D	**2390**	**2.39**	
MW-1D	Main Plant Area	Deep	03/13/2023	MW-1D	**1790**	**1.79**	
MW-1D	Main Plant Area	Deep	06/26/2023	MW-1D	**2690**	**2.69**	
MW-1D	Main Plant Area	Deep	08/22/2023	MW-1D	**2110**	**2.11**	
MW-1D	Main Plant Area	Deep	09/13/2023	MW-1D	**1370**	**1.37**	
MW-1D	Main Plant Area	Deep	09/13/2023	DUP_091323	**1430**	**1.43**	
MW-1D	Main Plant Area	Deep	12/01/2023	MW-1D	**1810**	**1.81**	
MW-22X	Main Plant Area	Middle PRM	04/04/2023	MW-22X	**98.1**	**0.0981**	
MW-22X	Main Plant Area	Middle PRM	08/08/2023	MW-22X	**128**	**0.128**	
MW-22X	Main Plant Area	Middle PRM	11/29/2023	MW-22X	**44.9**	**0.0449**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-24D	Dredge Spoil Area	Deep	03/13/2014	GW0016_20140313	**280**	**0.28**	
MW-24D	Dredge Spoil Area	Deep	09/21/2016	GW-154	**320**	**0.32**	
MW-24D	Dredge Spoil Area	Deep	09/28/2020	MW-24D_092820	**201**	**0.201**	
MW-24D	Dredge Spoil Area	Deep	10/19/2022	MW-24D	**227**	**0.227**	
MW-24D	Dredge Spoil Area	Deep	08/21/2023	MW-24D	**254**	**0.254**	
MW-24D	Dredge Spoil Area	Deep	09/14/2023	MW-24D	**212**	**0.212**	
MW-24D	Dredge Spoil Area	Deep	11/29/2023	MW-24D	**219**	**0.219**	
MW-24I	Dredge Spoil Area	Intermediate	03/13/2014	GW0017_20140313	**200**	**0.2**	
MW-24I	Dredge Spoil Area	Intermediate	09/21/2016	GW-153	**170**	**0.17**	
MW-24I	Dredge Spoil Area	Intermediate	09/28/2020	MW-24I_092820	**169**	**0.169**	
MW-24I	Dredge Spoil Area	Intermediate	10/19/2022	MW-24I	**140**	**0.14**	
MW-24I	Dredge Spoil Area	Intermediate	08/21/2023	MW-24I	**55.2**	**0.0552**	
MW-24I	Dredge Spoil Area	Intermediate	09/14/2023	MW-24I	**98.9**	**0.0989**	
MW-24I	Dredge Spoil Area	Intermediate	11/29/2023	MW-24I	**116**	**0.116**	
MW-25D	Offsite Wells	Deep	03/20/2014	GW0044_20140320	**200**	**0.2**	U
MW-25IL	Offsite Wells	Intermediate	03/20/2014	GW0043_20140320	**290**	**0.29**	
MW-25IL	Offsite Wells	Intermediate	10/18/2022	MW-25IL	**104**	**0.104**	
MW-25IL	Offsite Wells	Intermediate	09/07/2023	MW-25IL	**94.6**	**0.0946**	
MW-25IU	Offsite Wells	Intermediate	03/20/2014	GW0042_20140320	**350**	**0.35**	
MW-25IU	Offsite Wells	Intermediate	03/20/2014	GW0041_20140320	**300**	**0.3**	J
MW-25IU	Offsite Wells	Intermediate	11/01/2022	MW-25IU	**100**	**0.1**	
MW-25S	Offsite Wells	Shallow	03/20/2014	GW0040_20140320	**270**	**0.27**	
MW-25S	Offsite Wells	Shallow	10/18/2022	MW-25S	**75.5**	**0.0755**	
MW-25S	Offsite Wells	Shallow	09/07/2023	MW-25S	**76**	**0.076**	
MW-26D	Offsite Wells	Deep	03/18/2014	GW0048_20140318	**170**	**0.17**	
MW-26D	Offsite Wells	Deep	10/17/2022	MW-26D	**205**	**0.205**	
MW-26D	Offsite Wells	Deep	09/14/2023	MW-26D	**176**	**0.176**	
MW-26IL	Offsite Wells	Intermediate	03/12/2014	GW0047_20140312	**370**	**0.37**	
MW-26IL	Offsite Wells	Intermediate	10/17/2022	MW-26IL	**161**	**0.161**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-26IL	Offsite Wells	Intermediate	09/14/2023	MW-26IL	**125**	**0.125**	
MW-26IU	Offsite Wells	Intermediate	03/18/2014	GW0046_20140318	**390**	**0.39**	
MW-26S	Offsite Wells	Shallow	03/12/2014	GW0045_20140312	**140**	**0.14**	
MW-26S	Offsite Wells	Shallow	10/17/2022	MW-26S	**48.4**	**0.0484**	
MW-26S	Offsite Wells	Shallow	09/14/2023	MW-26S	**40.2**	**0.0402**	
MW-27IU	Offsite Wells	Intermediate	03/17/2014	GW0050_20140317	**820**	**0.82**	
MW-27IU	Offsite Wells	Intermediate	10/10/2022	MW-27IU	**847**	**0.847**	
MW-27IU	Offsite Wells	Intermediate	09/08/2023	MW-27IU	**193**	**0.193**	
MW-27S	Offsite Wells	Shallow	03/17/2014	GW0049_20140317	**350**	**0.35**	
MW-27S	Offsite Wells	Shallow	10/10/2022	DUP_20221010	**225**	**0.225**	
MW-27S	Offsite Wells	Shallow	10/10/2022	MW-27S	**199**	**0.199**	
MW-27S	Offsite Wells	Shallow	09/08/2023	MW-27S	**103**	**0.103**	
MW-28IL	Offsite Wells	Intermediate	04/17/2014	GW0007_20140417	**1100**	**1.1**	
MW-28IL	Offsite Wells	Intermediate	04/17/2014	GW0008_20140417	**1070**	**1.07**	
MW-28IL	Offsite Wells	Intermediate	10/11/2022	MW-28IL	**534**	**0.534**	
MW-28IL	Offsite Wells	Intermediate	09/08/2023	MW-28IL	**597**	**0.597**	
MW-28S	Offsite Wells	Shallow	03/17/2014	GW0051_20140317	**560**	**0.56**	
MW-28S	Offsite Wells	Shallow	10/11/2022	MW-28S	**45.7**	**0.0457**	
MW-28S	Offsite Wells	Shallow	09/08/2023	MW-28S	**39.2**	**0.0392**	
MW-29IU	Offsite Wells	Intermediate	03/17/2014	GW0054_20140317	**1440**	**1.44**	
MW-29IU	Offsite Wells	Intermediate	10/11/2022	MW-29IU	**843**	**0.843**	
MW-29IU	Offsite Wells	Intermediate	09/08/2023	MW-29IU	**641**	**0.641**	
MW-29S	Offsite Wells	Shallow	04/17/2014	GW0009_20140417	**150**	**0.15**	
MW-29S	Offsite Wells	Shallow	10/11/2022	MW-29S	**23.5**	**0.0235**	
MW-29S	Offsite Wells	Shallow	09/08/2023	MW-29S	**21.1**	**0.0211**	
MW-2D	Main Plant Area	Deep	03/26/2019	MW-2D_20190326	**142**	**0.142**	
MW-30D	Offsite Wells	Deep	03/18/2014	GW0058_20140318	**1000**	**1**	
MW-30D	Offsite Wells	Deep	09/14/2016	GW-104	**3300**	**3.3**	
MW-30D	Offsite Wells	Deep	10/12/2022	MW-30D	**1380**	**1.38**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-30D	Offsite Wells	Deep	09/12/2023	MW-30D	**864**	**0.864**	
MW-30IL	Offsite Wells	Intermediate	03/18/2014	GW0057_20140318	**28600**	**28.6**	
MW-30IL	Offsite Wells	Intermediate	09/14/2016	GW-103	**34000**	**34**	
MW-30IL	Offsite Wells	Intermediate	10/12/2022	MW-30IL	**18400**	**18.4**	
MW-30IL	Offsite Wells	Intermediate	09/11/2023	MW-30IL	**14400**	**14.4**	
MW-30IU	Offsite Wells	Intermediate	03/18/2014	GW0056_20140318	**5810**	**5.81**	
MW-30IU	Offsite Wells	Intermediate	09/14/2016	GW-101	**4000**	**4**	
MW-30IU	Offsite Wells	Intermediate	09/14/2016	GW-100	**3600**	**3.6**	
MW-30IU	Offsite Wells	Intermediate	10/11/2022	MW-30IU	**1800**	**1.8**	
MW-30IU	Offsite Wells	Intermediate	09/11/2023	MW-30IU	**1170**	**1.17**	
MW-30S	Offsite Wells	Shallow	03/18/2014	GW0055_20140318	**22**	**0.022**	
MW-30S	Offsite Wells	Shallow	09/14/2016	GW-102	**120**	**0.12**	
MW-30S	Offsite Wells	Shallow	10/11/2022	MW-30S	13.4	0.0134	
MW-30S	Offsite Wells	Shallow	09/11/2023	MW-30S	**21.9**	**0.0219**	
MW-31IU	Offsite Wells	Intermediate	03/18/2014	GW0060_20140318	**340**	**0.34**	
MW-31IU	Offsite Wells	Intermediate	09/14/2016	GW-106	**350**	**0.35**	
MW-31IU	Offsite Wells	Intermediate	10/12/2022	MW-31IU	**180**	**0.18**	
MW-31IU	Offsite Wells	Intermediate	09/08/2023	MW-31IU	**211**	**0.211**	
MW-31S	Offsite Wells	Shallow	03/18/2014	GW0059_20140318	**250**	**0.25**	
MW-31S	Offsite Wells	Shallow	09/14/2016	GW-105	**190**	**0.19**	
MW-31S	Offsite Wells	Shallow	10/12/2022	MW-31S	**150**	**0.15**	
MW-31S	Offsite Wells	Shallow	09/08/2023	MW-31S	**144**	**0.144**	
MW-32IU	Offsite Wells	Intermediate	03/20/2014	GW0062_20140320	**370**	**0.37**	J
MW-32IU	Offsite Wells	Intermediate	03/20/2014	GW0063_20140320	**360**	**0.36**	
MW-32IU	Offsite Wells	Intermediate	09/20/2016	GW-138	**120**	**0.12**	
MW-32S	Offsite Wells	Shallow	03/20/2014	GW0061_20140320	**260**	**0.26**	
MW-32S	Offsite Wells	Shallow	09/20/2016	GW-139	**240**	**0.24**	
MW-32S	Offsite Wells	Shallow	10/19/2022	MW-32S	**65.5**	**0.0655**	
MW-33S	Offsite Wells	Shallow	04/17/2014	GW0012_20140417	**700**	**0.7**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-33S	Offsite Wells	Shallow	04/17/2014	GW0010_20140417	**150**	**0.15**	
MW-33S	Offsite Wells	Shallow	09/15/2016	GW-113	**120**	**0.12**	
MW-33S	Offsite Wells	Shallow	09/21/2020	MW-33S_092120	**44.3**	**0.0443**	
MW-33S	Offsite Wells	Shallow	03/10/2023	MW-33S	**37.6**	**0.0376**	
MW-33S	Offsite Wells	Shallow	06/28/2023	MW-33S	**54.9**	**0.0549**	
MW-33S	Offsite Wells	Shallow	08/18/2023	MW-33S	**38.5**	**0.0385**	
MW-33S	Offsite Wells	Shallow	11/17/2023	MW-33S	**41.4**	**0.0414**	
MW-34D	Offsite Wells	Deep	09/16/2016	GW-130	**770**	**0.77**	
MW-34D	Offsite Wells	Deep	09/12/2018	34D-09122018-GW	**749**	**0.749**	
MW-34D	Offsite Wells	Deep	10/17/2022	MW-34D	**509**	**0.509**	
MW-34D	Offsite Wells	Deep	09/13/2023	MW-34D	**405**	**0.405**	
MW-34I	Offsite Wells	Intermediate	04/17/2014	GW0011_20140417	**910**	**0.91**	
MW-34IL	Offsite Wells	Intermediate	09/16/2016	GW-129	**900**	**0.9**	
MW-34IL	Offsite Wells	Intermediate	09/12/2018	34IL-09122018-GW	**356**	**0.356**	
MW-34IL	Offsite Wells	Intermediate	10/17/2022	MW-34IL	**572**	**0.572**	
MW-34IL	Offsite Wells	Intermediate	09/13/2023	MW-34IL	**501**	**0.501**	
MW-35D	Offsite Wells	Deep	04/17/2014	GW0014_20140417	**400**	**0.4**	
MW-35D	Offsite Wells	Deep	09/15/2016	GW-115	**450**	**0.45**	
MW-35D	Offsite Wells	Deep	10/12/2022	MW-35D	**1480**	**1.48**	
MW-35D	Offsite Wells	Deep	09/11/2023	MW-35D	**1350**	**1.35**	
MW-35I	Offsite Wells	Intermediate	04/17/2014	GW0013_20140417	**4780**	**4.78**	
MW-35I	Offsite Wells	Intermediate	09/15/2016	GW-114	**9500**	**9.5**	
MW-35I	Offsite Wells	Intermediate	10/12/2022	MW-35I	**18700**	**18.7**	
MW-35I	Offsite Wells	Intermediate	09/11/2023	MW-35I	**8600**	**8.6**	
MW-36D	Offsite Wells	Deep	04/17/2014	GW0015_20140417	**120**	**0.12**	
MW-36D	Offsite Wells	Deep	09/15/2016	GW-116	**190**	**0.19**	
MW-36D	Offsite Wells	Deep	10/13/2022	MW-36D	**476**	**0.476**	
MW-36D	Offsite Wells	Deep	03/09/2023	MW-36D	**372**	**0.372**	
MW-36D	Offsite Wells	Deep	06/29/2023	MW-36D	**422**	**0.422**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-36D	Offsite Wells	Deep	08/15/2023	MW-36D	**398**	**0.398**	
MW-36D	Offsite Wells	Deep	09/13/2023	MW-36D	**392**	**0.392**	
MW-36D	MW-36D	Deep	11/15/2023	MW-36D	**37.8**	**0.0378**	
MW-37D	Offsite Wells	Deep	09/15/2016	GW-118	**380**	**0.38**	
MW-37D	Offsite Wells	Deep	10/13/2022	MW-37D	**750**	**0.75**	
MW-37D	Offsite Wells	Deep	09/12/2023	MW-37D	**617**	**0.617**	
MW-37S	Offsite Wells	Shallow	09/15/2016	GW-117	**660**	**0.66**	
MW-37S	Offsite Wells	Shallow	10/13/2022	MW-37S	**422**	**0.422**	
MW-37S	Offsite Wells	Shallow	09/12/2023	MW-37S	**379**	**0.379**	
MW-38D	Offsite Wells	Deep	09/16/2016	GW-131	**310**	**0.31**	
MW-38D	Offsite Wells	Deep	09/21/2020	MW-38D_092120	**555**	**0.555**	
MW-38D	Offsite Wells	Deep	10/13/2022	MW-38D	**780**	**0.78**	
MW-38D	Offsite Wells	Deep	09/12/2023	MW-38D	**773**	**0.773**	
MW-39D	Offsite Wells	Deep	09/16/2016	GW-142	**71**	**0.071**	
MW-39D	Offsite Wells	Deep	09/24/2020	MW-39D_092420	**125**	**0.125**	
MW-39D	Offsite Wells	Deep	10/14/2022	MW-39D	**161**	**0.161**	
MW-39D	Offsite Wells	Deep	09/13/2023	MW-39D	**190**	**0.19**	
MW-39I	Offsite Wells	Intermediate	09/19/2016	GW-140	**47**	**0.047**	
MW-39I	Offsite Wells	Intermediate	09/24/2020	MW-39I_092420	**119**	**0.119**	
MW-39I	Offsite Wells	Intermediate	10/14/2022	MW-39I	**128**	**0.128**	
MW-39I	Offsite Wells	Intermediate	09/13/2023	MW-39I	**132**	**0.132**	
MW-39S	Offsite Wells	Shallow	09/19/2016	GW-141	**190**	**0.19**	
MW-39S	Offsite Wells	Shallow	09/24/2020	MW-39S_092420	**18**	**0.018**	
MW-39S	Offsite Wells	Shallow	10/14/2022	MW-39S	**16.6**	**0.0166**	
MW-39S	Offsite Wells	Shallow	09/13/2023	MW-39S	12.2	0.0122	
MW-3D	Main Plant Area	Deep	03/12/2014	GW0018_20140312	**17**	**0.017**	U
MW-3D	Main Plant Area	Deep	03/26/2019	MW-3D_20190326	**105**	**0.105**	
MW-4	Main Plant Area	Shallow	09/19/2016	GW-145	**970**	**0.97**	
MW-4	Main Plant Area	Shallow	03/27/2019	MW-4_20190327	**172**	**0.172**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-40I	Offsite Wells	Intermediate	09/20/2016	GW-158	**150**	**0.15**	
MW-40I	Offsite Wells	Intermediate	09/20/2016	GW-159	**150**	**0.15**	
MW-40I	Offsite Wells	Intermediate	03/27/2019	MW-40I_20190327	**79.6**	**0.0796**	
MW-40I	Offsite Wells	Intermediate	09/25/2020	MW-40I_092520	**69.1**	**0.0691**	
MW-40I	Offsite Wells	Intermediate	11/02/2022	MW-40I	**69**	**0.069**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	MW-40I	**65.5**	**0.0655**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	DUP_031323	**64.2**	**0.0642**	
MW-40I	Offsite Wells	Intermediate	06/27/2023	MW-40I	**78.8**	**0.0788**	
MW-40I	Offsite Wells	Intermediate	08/18/2023	MW-40I	**53.3**	**0.0533**	
MW-40I	Offsite Wells	Intermediate	11/27/2023	MW-40I	**61.1**	**0.0611**	
MW-40S	Offsite Wells	Shallow	09/22/2016	GW-161D	**47**	**0.047**	
MW-40S	Offsite Wells	Shallow	09/22/2016	GW-161	**42**	**0.042**	
MW-40S	Offsite Wells	Shallow	03/22/2019	MW-40S_20190322	**65.8**	**0.0658**	
MW-40S	Offsite Wells	Shallow	09/25/2020	MW-40S_092520	**14.9**	**0.0149**	
MW-40S	Offsite Wells	Shallow	11/02/2022	MW-40S	**15.8**	**0.0158**	
MW-40S	Offsite Wells	Shallow	03/13/2023	MW-40S	10.4	0.0104	
MW-40S	Offsite Wells	Shallow	06/27/2023	MW-40S	**15.2**	**0.0152**	
MW-40S	Offsite Wells	Shallow	08/18/2023	MW-40S	12.7	0.0127	
MW-40S	Offsite Wells	Shallow	09/14/2023	MW-40S	8.6	0.0086	
MW-40S	Offsite Wells	Shallow	11/27/2023	DUP_112723	10.8	0.0108	
MW-40S	Offsite Wells	Shallow	11/27/2023	MW-40S	11.2	0.0112	
MW-41D	Offsite Wells	Deep	09/16/2016	GW-132	**140**	**0.14**	
MW-41D	Offsite Wells	Deep	09/22/2020	MW-41D_092220	**168**	**0.168**	
MW-41D	Offsite Wells	Deep	10/13/2022	MW-41D	**221**	**0.221**	
MW-41D	Offsite Wells	Deep	09/12/2023	MW-41D	**219**	**0.219**	
MW-41D	Offsite Wells	Deep	09/12/2023	DUP_091223	**233**	**0.233**	
MW-42D	Offsite Wells	Deep	09/16/2016	GW-133	**21**	**0.021**	
MW-42D	Offsite Wells	Deep	09/22/2020	MW-42D_092220	**24.9**	**0.0249**	
MW-42D	Offsite Wells	Deep	10/13/2022	MW-42D	**42.9**	**0.0429**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-42D	Offsite Wells	Deep	03/09/2023	MW-42D	**39.2**	**0.0392**	
MW-42D	Offsite Wells	Deep	06/29/2023	MW-42D	**46.3**	**0.0463**	
MW-42D	Offsite Wells	Deep	08/17/2023	MW-42D	**44.1**	**0.0441**	
MW-42D	Offsite Wells	Deep	09/12/2023	MW-42D	**52.1**	**0.0521**	
MW-42D	Offsite Wells	Deep	11/17/2023	MW-42D	**40.9**	**0.0409**	
MW-43D	Offsite Wells	Deep	09/19/2016	GW-143	**180**	**0.18**	
MW-43D	Offsite Wells	Deep	09/24/2020	MW-43D_092420	**216**	**0.216**	
MW-43D	Offsite Wells	Deep	10/14/2022	MW-43D	**293**	**0.293**	
MW-43D	Offsite Wells	Deep	09/14/2023	MW-43D	**84.8**	**0.0848**	
MW-43D	Offsite Wells	Deep	09/14/2023	DUP_091423	**713**	**0.713**	
MW-43I	Offsite Wells	Intermediate	09/19/2016	GW-144	**390**	**0.39**	
MW-43I	Offsite Wells	Intermediate	09/24/2020	MW-43I_092420	**320**	**0.32**	
MW-43I	Offsite Wells	Intermediate	10/14/2022	MW-43I	**333**	**0.333**	
MW-43I	Offsite Wells	Intermediate	09/14/2023	MW-43I	**273**	**0.273**	
MW-44D	Offsite Wells	Deep	09/16/2016	GW-162	**69**	**0.069**	
MW-44D	Offsite Wells	Deep	09/22/2020	MW-44D_092220	**89.7**	**0.0897**	
MW-44D	Offsite Wells	Deep	10/14/2022	MW-44D	**147**	**0.147**	
MW-44D	Offsite Wells	Deep	10/14/2022	DUP_2022.10.14	**139**	**0.139**	
MW-5D	Main Plant Area	Intermediate	03/11/2014	GW0019_20140311	**150**	**0.15**	
MW-5D	Main Plant Area	Intermediate	03/22/2019	MW-5D_20190322FD	**112**	**0.112**	
MW-5D	Main Plant Area	Intermediate	03/22/2019	MW-5D_20190322	**100**	**0.1**	
MW-5DD	Main Plant Area	Deep	03/11/2014	GW0020_20140311	**250**	**0.25**	
MW-5DD	Main Plant Area	Deep	03/11/2014	GW0021_20140311	**240**	**0.24**	
MW-5DD	Main Plant Area	Deep	03/22/2019	MW-5DD_20190322	**217**	**0.217**	
MW-5I	Main Plant Area	Intermediate	03/11/2014	GW0022_20140311	**170**	**0.17**	
MW-5I	Main Plant Area	Intermediate	03/22/2019	MW-5I_20190322	**110**	**0.11**	
MW-5I	Main Plant Area	Intermediate	10/20/2022	MW-5I	**89.2**	**0.0892**	
MW-5I	Main Plant Area	Intermediate	03/13/2023	MW-5I	**52.6**	**0.0526**	
MW-5I	Main Plant Area	Intermediate	06/29/2023	MW-5I	**60.2**	**0.0602**	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-5I	Main Plant Area	Intermediate	08/18/2023	MW-5I	**49.5**	**0.0495**	
MW-5I	Main Plant Area	Intermediate	11/17/2023	MW-5I	**65.4**	**0.0654**	
MW-5X	Main Plant Area	Middle PRM	03/12/2014	GW0023_20140312	8.8	0.0088	U
MW-5X	Main Plant Area	Middle PRM	09/19/2016	GW-146	2.8	0.0028	J
MW-5X	Main Plant Area	Middle PRM	09/30/2019	MW5X-093019	2.53	0.00253	J
MW-5X	Main Plant Area	Middle PRM	09/30/2019	DUP-093019	2.47	0.00247	J
MW-5X	Main Plant Area	Middle PRM	04/04/2023	MW-5X	3.3	0.0033	
MW-5X	Main Plant Area	Middle PRM	08/09/2023	MW-5X	2.2	0.0022	
MW-5X	Main Plant Area	Middle PRM	11/27/2023	MW-5X	10.1	0.0101	
MW-6I	Main Plant Area	Intermediate	03/12/2014	GW0024_20140312	**4420**	**4.42**	
MW-6I	Main Plant Area	Intermediate	03/21/2019	MW-6I_20190321	**1840**	**1.84**	
MW-6I	Main Plant Area	Intermediate	11/01/2022	DUP_2022.11.01	**1840**	**1.84**	
MW-6I	Main Plant Area	Intermediate	11/01/2022	MW-6I	**1780**	**1.78**	
MW-6I	Main Plant Area	Intermediate	03/13/2023	MW-6I	**1490**	**1.49**	
MW-6I	Main Plant Area	Intermediate	06/26/2023	MW-6I	**2290**	**2.29**	
MW-6I	Main Plant Area	Intermediate	08/22/2023	MW-6I	**1510**	**1.51**	
MW-6I	Main Plant Area	Intermediate	11/27/2023	MW-6I	**2050**	**2.05**	
MW-6S	Main Plant Area	Shallow	03/12/2014	GW0025_20140312	**180**	**0.18**	
P-2S	Main Plant Area	Shallow	03/13/2014	GW0026_20140313	**47**	**0.047**	
P-2S	Main Plant Area	Shallow	03/28/2019	P-2S_20190328	**51.5**	**0.0515**	
P-2S	Main Plant Area	Shallow	10/01/2020	P-2S_100120	**72.9**	**0.0729**	
P-2S	Main Plant Area	Shallow	11/02/2022	DUP_2022.11.02	**16.9**	**0.0169**	
P-2S	Main Plant Area	Shallow	11/02/2022	P-2S	**16.6**	**0.0166**	
P-2S	Main Plant Area	Shallow	03/09/2023	P-2S	**21**	**0.021**	
P-2S	Main Plant Area	Shallow	06/28/2023	P-2S	**15.5**	**0.0155**	
P-2S	Main Plant Area	Shallow	08/22/2023	P-2S	**14.1**	**0.0141**	
P-2S	Main Plant Area	Shallow	11/29/2023	P-2S	**19.6**	**0.0196**	
P-3D	Dredge Spoil Area	Lower PRM	04/18/2014	GW0004_20140418	9.9	0.0099	U
P-3D	Dredge Spoil Area	Lower PRM	10/01/2020	P-3D_100120	3.5	0.0035	J

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
P-3D	Dredge Spoil Area	Lower PRM	09/20/2022	P-3D	5.6	0.0056	
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	DUP_031023	2.7	0.0027	
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	P-3D	2.6	0.0026	
P-3D	Dredge Spoil Area	Lower PRM	08/08/2023	P-3D	**18.1**	**0.0181**	
P-3D	Dredge Spoil Area	Lower PRM	11/28/2023	P-3D	4.4	0.0044	
P-3I	Dredge Spoil Area	Middle PRM	04/18/2014	GW0005_20140418	**35**	**0.035**	
P-3I	Dredge Spoil Area	Middle PRM	10/01/2020	P-3I_100120	**43.4**	**0.0434**	
P-3I	Dredge Spoil Area	Middle PRM	09/20/2022	P-3I	**50**	**0.05**	
P-3I	Dredge Spoil Area	Middle PRM	03/10/2023	P-3I	**53.9**	**0.0539**	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	DUP_080823	**52**	**0.052**	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	P-3I	**53.6**	**0.0536**	
P-3I	Dredge Spoil Area	Middle PRM	11/28/2023	P-3I	**42.5**	**0.0425**	
P-3S	Dredge Spoil Area	Shallow	04/18/2014	GW0006_20140418	**160**	**0.16**	
P-3S	Dredge Spoil Area	Shallow	10/01/2020	P-3S_100120	**526**	**0.526**	
P-3S	Dredge Spoil Area	Shallow	03/10/2023	P-3S	**360**	**0.36**	
P-3S	Dredge Spoil Area	Shallow	06/28/2023	P-3S	**320**	**0.32**	
P-3S	Dredge Spoil Area	Shallow	08/21/2023	P-3S	**413**	**0.413**	
P-3S	Dredge Spoil Area	Shallow	11/28/2023	P-3S	**445**	**0.445**	
P-5S	Main Plant Area	Shallow	03/13/2014	GW0027_20140313	**23500**	**23.5**	
P-5S	Main Plant Area	Shallow	03/26/2019	P-5S_20190326	**5830**	**5.83**	
P-6S	Main Plant Area	Shallow	03/14/2014	GW0028_20140314	**1400**	**1.4**	J
P-6S	Main Plant Area	Shallow	03/28/2019	P-6S_20190328	**705**	**0.705**	
P-6S	Main Plant Area	Shallow	11/02/2022	P-6S	**6260**	**6.26**	
P-6S	Main Plant Area	Shallow	06/26/2023	P-6S	**1410**	**1.41**	
P-6S	Main Plant Area	Shallow	08/23/2023	P-6S	**617**	**0.617**	
P-6S	Main Plant Area	Shallow	09/14/2023	P-6S	**1420**	**1.42**	
P-6S	Main Plant Area	Shallow	11/29/2023	P-6S	**1130**	**1.13**	
P-7S	Main Plant Area	Shallow	03/27/2019	P-7S_20190327	**895**	**0.895**	
PW-1	Main Plant Area	Intermediate	09/30/2019	PW-093019	4.67	0.00467	

Table 3. Perfluorooctanioc Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
PW-1	Main Plant Area	Intermediate	10/28/2019	PW-10282019	6.27	0.00627	
PZ-5	Dredge Spoil Area	Shallow	04/18/2014	GW0002_20140418	**51**	**0.051**	
PZ-5	Dredge Spoil Area	Shallow	04/18/2014	GW0001_20140418	**39**	**0.039**	
PZ-5	Dredge Spoil Area	Shallow	10/01/2020	PZ-5_100120	**49**	**0.049**	
PZ-5	Dredge Spoil Area	Shallow	09/20/2022	PZ-5	**64.9**	**0.0649**	
PZ-5	Dredge Spoil Area	Shallow	03/10/2023	PZ-5	**14.8**	**0.0148**	
PZ-5	Dredge Spoil Area	Shallow	06/28/2023	PZ-5	**37.4**	**0.0374**	
PZ-5	Dredge Spoil Area	Shallow	08/22/2023	PZ-5	**27.9**	**0.0279**	
PZ-5	Dredge Spoil Area	Shallow	11/28/2023	PZ-5	**21.3**	**0.0213**	
PZ-6	Dredge Spoil Area	Shallow	04/18/2014	GW0003_20140418	**97**	**0.097**	
PZ-6	Dredge Spoil Area	Shallow	11/03/2022	PZ-6	**142**	**0.142**	
PZ-6	Dredge Spoil Area	Shallow	03/10/2023	PZ-6	**140**	**0.14**	
PZ-6	Dredge Spoil Area	Shallow	06/29/2023	PZ-6	**155**	**0.155**	
PZ-6	Dredge Spoil Area	Shallow	08/21/2023	PZ-6	**65.3**	**0.0635**	
PZ-6	Dredge Spoil Area	Shallow	11/29/2023	PZ-6	**180**	**0.18**	
PZ-8	Dredge Spoil Area	Shallow	09/21/2016	GW-152	13	0.013	
PZ-8	Dredge Spoil Area	Shallow	10/19/2022	PZ-8	5.7	0.0057	
PZ-8	Dredge Spoil Area	Shallow	08/21/2023	PZ-8	7.3	0.0073	
PZ-8	Dredge Spoil Area	Shallow	09/14/2023	PZ-8	7.9	0.0079	
PZ-8	Dredge Spoil Area	Shallow	11/29/2023	PZ-8	6.3	0.0063	

Notes:

Bold sample result indicates value exceeds NJDEP GWQS (14 ng/L, 0.014 µg/L).

NJDEP GWQS = New Jersey Department of Environmental Protection Groundwater Quality Standard
ng/L = nanograms per liter (or parts per trillion, ppt)
µg/L = micrograms per liter (or parts per billion, ppb)
PRM = Potomac Raritan Magothy

Data Qualifiers:

J = estimated value
U = analyte was not detected; the value reported is the method detection limit

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
M/H-1D	Main Plant Area	Deep	03/13/2014	GW0001_20140313	**36**	**0.036**	J
M/H-1D	Main Plant Area	Deep	03/20/2019	MH-1D_20190320	**16.9**	**0.0169**	
M/H-2D	Main Plant Area	Intermediate	03/11/2014	GW0002_20140311	**43**	**0.043**	J
M/H-2D	Main Plant Area	Intermediate	03/20/2019	MH-2D_20190320	**80**	**0.08**	U
M/H-2D	Main Plant Area	Intermediate	09/29/2020	MH2D_092920	**23**	**0.023**	U
M/H-2D	Main Plant Area	Intermediate	10/20/2022	M/H-2D	**20**	**0.02**	U
M/H-2D	Main Plant Area	Intermediate	03/09/2023	M/H-2D	8.5	0.0085	
M/H-2D	Main Plant Area	Intermediate	06/27/2023	M/H-2D	8.3	0.0083	U
M/H-2D	Main Plant Area	Intermediate	08/22/2023	M/H-2D	10.8	0.0108	
M/H-2D	Main Plant Area	Intermediate	09/13/2023	M/H-2D	9.2	0.0092	
M/H-2D	Main Plant Area	Intermediate	11/27/2023	M/H-2D	8.8	0.0088	
M/H-4	Main Plant Area	Shallow	03/14/2014	GW0003_20140314	12	0.012	U
M/H-4	Main Plant Area	Shallow	03/26/2019	MH-4_20190326	4.82	0.00482	J
M/H-4D	Main Plant Area	Intermediate	03/13/2014	GW0004_20140313	**26**	**0.026**	J
M/H-4D	Main Plant Area	Intermediate	03/26/2019	MH-4D_20190326	**13.4**	**0.0134**	
M/H-6D	Main Plant Area	Intermediate	03/14/2014	GW0005_20140314	**14**	**0.014**	J
M/H-6D	Main Plant Area	Intermediate	03/27/2019	MH-6D_20190327	8.23	0.00823	
M/H-7D	Main Plant Area	Intermediate	03/11/2014	GW0006_20140311	13	0.013	U
M/H-7D	Main Plant Area	Intermediate	03/20/2019	MH-7D_20190320	8.71	0.00871	
MW-1	Main Plant Area	Shallow	03/12/2014	GW0007_20140312	12	0.012	U
MW-1	Main Plant Area	Shallow	03/21/2019	MW-1_20190321	3.82	0.00382	J
MW-101D	Offsite Wells	Deep	09/14/2016	GW-124	3.9	0.0039	J
MW-101D	Offsite Wells	Deep	12/17/2018	MW-101D-12172018	6.96	0.00696	J
MW-101D	Offsite Wells	Deep	09/25/2020	MW-101D_092520	6.4	0.0064	
MW-101D	Offsite Wells	Deep	01/11/2022	MW-101D_RI2022	6.4	0.0064	
MW-101D	Offsite Wells	Deep	06/23/2023	MW-101D	5.1	0.0051	
MW-101D	Offsite Wells	Deep	08/17/2023	MW-101D	6.8	0.0068	
MW-101D	Offsite Wells	Deep	11/15/2023	MW-101D	7.3	0.0073	
MW-101S	Offsite Wells	Shallow	09/14/2016	GW-123	5.7	0.0057	J
MW-101S	Offsite Wells	Shallow	12/17/2018	MW-101S-12172018-DUP	7.37	0.00737	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-101S	Offsite Wells	Shallow	12/17/2018	MW-101S-12172018	7.19	0.00719	J
MW-101S	Offsite Wells	Shallow	09/25/2020	MW-101S_092520	8	0.008	
MW-101S	Offsite Wells	Shallow	01/11/2022	MW-101S_RI2022	6.6	0.0066	
MW-101S	Offsite Wells	Shallow	06/23/2023	MW-101S	9	0.009	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-101S	Offsite Wells	Shallow	08/16/2023	MW-101S	**17.2**	**0.0172**	
MW-101S	Offsite Wells	Shallow	11/15/2023	MW-101S	12.9	0.0129	
MW-102D	Offsite Wells	Deep	09/21/2016	GW-171	**16**	**0.016**	
MW-102D	Offsite Wells	Deep	09/10/2018	102D-09102018-GW	7.1	0.0071	
MW-102D	Offsite Wells	Deep	12/20/2018	MW-102D-12202018	8.74	0.00874	
MW-102D	Offsite Wells	Deep	09/23/2020	MW-102D_092320	**14.3**	**0.0143**	
MW-102D	Offsite Wells	Deep	01/12/2022	MW-102D_RI2022	**13.8**	**0.0138**	
MW-102D	Offsite Wells	Deep	09/13/2022	MW-102D	**14.7**	**0.0147**	
MW-102D	Offsite Wells	Deep	03/07/2023	MW-102D	13	0.013	
MW-102D	Offsite Wells	Deep	06/22/2023	MW-102D	9.8	0.0098	
MW-102D	Offsite Wells	Deep	08/15/2023	MW-102D	**13.3**	**0.0133**	
MW-102D	Offsite Wells	Deep	11/14/2023	MW-102D	**14.6**	**0.0146**	
MW-102S	Offsite Wells	Shallow	09/21/2016	GW-170	**19**	**0.019**	
MW-102S	Offsite Wells	Shallow	09/10/2018	102S-09102018-GW	**18.1**	**0.0181**	
MW-102S	Offsite Wells	Shallow	12/20/2018	MW-102S-12202018	**14**	**0.014**	
MW-102S	Offsite Wells	Shallow	09/23/2020	MW-102S_092320	**15.7**	**0.0157**	
MW-102S	Offsite Wells	Shallow	01/12/2022	MW-102S_RI2022	**15.5**	**0.0155**	
MW-102S	Offsite Wells	Shallow	09/13/2022	MW-102S	**14.8**	**0.0148**	
MW-102S	Offsite Wells	Shallow	03/07/2023	MW-102S	10.2	0.0102	
MW-102S	Offsite Wells	Shallow	06/22/2023	MW-102S	8.8	0.0088	
MW-102S	Offsite Wells	Shallow	08/15/2023	MW-102S	11.3	0.0113	
MW-102S	Offsite Wells	Shallow	11/14/2023	MW-102S	**13.3**	**0.0133**	
MW-102X	Offsite Wells	Middle PRM	04/06/2023	MW-102X	0.88	0.00088	U
MW-102X	Offsite Wells	Middle PRM	08/09/2023	MW-102X	0.41	0.00041	U
MW-102X	Offsite Wells	Middle PRM	11/16/2023	MW-102X	0.39	0.00039	U
MW-103D	Offsite Wells	Deep	09/15/2016	GW-110	4	0.004	J
MW-103D	Offsite Wells	Deep	12/20/2018	MW-103D12202018	8.1	0.0081	
MW-103D	Offsite Wells	Deep	09/24/2020	MW-103D_092420	4.6	0.0046	
MW-103D	Offsite Wells	Deep	01/12/2022	MW-103D_RI2022	2.7	0.0027	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-103D	Offsite Wells	Deep	09/14/2022	MW-103D	3.5	0.0035	J
MW-103D	Offsite Wells	Deep	03/14/2023	MW-103D	2.8	0.0028	
MW-103D	Offsite Wells	Deep	06/23/2023	MW-103D	3.7	0.0037	
MW-103D	Offsite Wells	Deep	08/14/2023	MW-103D	3.1	0.0031	
MW-103D	Offsite Wells	Deep	11/13/2023	MW-103D	2.7	0.0027	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-103S	Offsite Wells	Shallow	09/15/2016	GW-109	**14**	**0.014**	
MW-103S	Offsite Wells	Shallow	12/20/2018	MW-103S-12202018	**13.8**	**0.0138**	
MW-103S	Offsite Wells	Shallow	09/24/2020	MW-103S_092420	12.6	0.0126	
MW-103S	Offsite Wells	Shallow	01/12/2022	MW-103S_RI2022	4.6	0.0046	
MW-103S	Offsite Wells	Shallow	09/14/2022	MW-103S	**22**	**0.022**	
MW-103S	Offsite Wells	Shallow	09/14/2022	DUP_09.14.2022	**19.3**	**0.0193**	
MW-103S	Offsite Wells	Shallow	03/14/2023	MW-103S	6	0.006	
MW-103S	Offsite Wells	Shallow	06/23/2023	MW-103S	3.2	0.0032	
MW-103S	Offsite Wells	Shallow	06/23/2023	DUP_062323	2.8	0.0028	
MW-103S	Offsite Wells	Shallow	08/14/2023	MW-103S	5.3	0.0053	
MW-103S	Offsite Wells	Shallow	11/13/2023	MW-103S	2.9	0.0029	
MW-104D	Offsite Wells	Deep	09/15/2016	GW-108	1.8	0.0018	J
MW-104D	Offsite Wells	Deep	12/20/2018	MW-104D12202018	3.1	0.0031	U
MW-104D	Offsite Wells	Deep	09/24/2020	MW-104D_092420	3.3	0.0033	J
MW-104D	Offsite Wells	Deep	01/14/2022	MW-104D_RI2022	2	0.002	U
MW-104D	Offsite Wells	Deep	09/13/2022	MW-104D	2.9	0.0029	J
MW-104D	Offsite Wells	Deep	11/08/2022	MW-104D	2.7	0.0027	J
MW-104D	Offsite Wells	Deep	03/08/2023	MW-104D	2.8	0.0028	
MW-104D	Offsite Wells	Deep	06/20/2023	MW-104D	1.1	0.0011	J
MW-104D	Offsite Wells	Deep	08/15/2023	MW-104D	4.1	0.0041	
MW-104D	Offsite Wells	Deep	11/13/2023	MW-104D	4.7	0.0047	
MW-104S	Offsite Wells	Shallow	09/15/2016	GW-107	0.89	0.00089	J
MW-104S	Offsite Wells	Shallow	09/24/2020	MW-104S_092420	2.4	0.0024	J
MW-104S	Offsite Wells	Shallow	01/14/2022	MW-104S_RI2022	2	0.002	U
MW-104S	Offsite Wells	Shallow	09/13/2022	MW-104S	2	0.002	U
MW-104S	Offsite Wells	Shallow	11/08/2022	MW-104S	2	0.002	U
MW-104S	Offsite Wells	Shallow	03/08/2023	MW-104S	2.1	0.0021	
MW-104S	Offsite Wells	Shallow	06/20/2023	MW-104S	1	0.001	J
MW-104S	Offsite Wells	Shallow	08/15/2023	MW-104S	2.5	0.0025	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-104S	Offsite Wells	Shallow	11/13/2023	MW-104S	4.4	0.0044	
MW-105D	Offsite Wells	Deep	09/14/2016	GW-112	1.6	0.0016	J
MW-105D	Offsite Wells	Deep	12/19/2018	MW-105D-12192018	3	0.003	U
MW-105D	Offsite Wells	Deep	09/23/2020	MW-105D_092320	2.3	0.0023	J
MW-105D	Offsite Wells	Deep	09/12/2022	MW-105D	2.1	0.0021	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-105D	Offsite Wells	Deep	03/07/2023	MW-105D	1.9	0.0019	
MW-105D	Offsite Wells	Deep	06/19/2023	MW-105D	2	0.002	
MW-105D	Offsite Wells	Deep	08/14/2023	MW-105D	2.9	0.0029	
MW-105D	Offsite Wells	Deep	11/13/2023	MW-105D	0.43	0.00043	U
MW-105S	Offsite Wells	Shallow	09/16/2016	GW-111	2.3	0.0023	J
MW-105S	Offsite Wells	Shallow	12/19/2018	MW-105S-12192018	3.2	0.0032	U
MW-105S	Offsite Wells	Shallow	09/23/2020	MW-105S_092320	2.2	0.0022	J
MW-105S	Offsite Wells	Shallow	09/12/2022	MW-105S	2.3	0.0023	U
MW-105S	Offsite Wells	Shallow	03/07/2023	MW-105S	8.3	0.0083	U
MW-105S	Offsite Wells	Shallow	06/19/2023	MW-105S	0.91	0.00091	U
MW-105S	Offsite Wells	Shallow	08/14/2023	MW-105S	2.1	0.0021	
MW-105S	Offsite Wells	Shallow	11/13/2023	MW-105S	2.3	0.0023	
MW-106D	Offsite Wells	Deep	09/15/2016	GW-121	2	0.002	J
MW-106D	Offsite Wells	Deep	09/15/2016	GW-122	1.5	0.0015	J
MW-106D	Offsite Wells	Deep	12/19/2018	MW-106D-12192018	**210**	**0.21**	
MW-106D	Offsite Wells	Deep	12/03/2020	MW-106D_120320	2.1	0.0021	U
MW-106D	Offsite Wells	Deep	01/27/2022	MW-106D_RI2022	2.1	0.0021	U
MW-106D	Offsite Wells	Deep	09/16/2022	MW-106D	2.1	0.0021	U
MW-106D	Offsite Wells	Deep	11/09/2022	MW-106D	2	0.002	U
MW-106D	Offsite Wells	Deep	03/14/2023	MW-106D	0.94	0.00094	U
MW-106D	Offsite Wells	Deep	06/20/2023	MW-106D	1.4	0.0014	J
MW-106D	Offsite Wells	Deep	08/15/2023	MW-106D	2.1	0.0021	
MW-106D	Offsite Wells	Deep	11/14/2023	MW-106D	0.41	0.00041	U
MW-106S	Offsite Wells	Shallow	09/15/2016	GW-120	0.98	0.00098	J
MW-106S	Offsite Wells	Shallow	12/19/2018	MW-106S-12192018	**17.1**	**0.0171**	
MW-106S	Offsite Wells	Shallow	09/23/2020	MW-106S_092320	1.9	0.0019	U
MW-106S	Offsite Wells	Shallow	01/27/2022	DUP-1_012722_RI2022	6.5	0.0065	
MW-106S	Offsite Wells	Shallow	01/27/2022	MW-106S_RI2022	2.1	0.0021	U
MW-106S	Offsite Wells	Shallow	09/16/2022	MW-106S	2	0.002	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-106S	Offsite Wells	Shallow	11/09/2022	MW-106S	2	0.002	U
MW-106S	Offsite Wells	Shallow	03/14/2023	MW-106S	1	0.001	J
MW-106S	Offsite Wells	Shallow	06/20/2023	MW-106S	1.1	0.0011	U
MW-106S	Offsite Wells	Shallow	08/15/2023	MW-106S	0.39	0.00039	U
MW-106S	Offsite Wells	Shallow	11/14/2023	MW-106S	2.1	0.0021	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-107D	Offsite Wells	Deep	09/20/2016	GW-149	6.9	0.0069	
MW-107D	Offsite Wells	Deep	12/18/2018	MW-107D-12182018	2.8	0.0028	U
MW-107D	Offsite Wells	Deep	09/24/2020	MW-107D_092420	4	0.004	J
MW-107D	Offsite Wells	Deep	01/27/2022	MW-107D_RI2022	**16**	**0.016**	
MW-107D	Offsite Wells	Deep	09/19/2022	MW-107D	4.9	0.0049	
MW-107D	Offsite Wells	Deep	03/06/2023	MW-107D	4.5	0.0045	
MW-107D	Offsite Wells	Deep	06/20/2023	MW-107D	3.8	0.0038	
MW-107D	Offsite Wells	Deep	08/15/2023	MW-107D	5.7	0.0057	
MW-107D	Offsite Wells	Deep	11/14/2023	MW-107D	6.4	0.0064	
MW-107S	Offsite Wells	Shallow	09/20/2016	GW-148	2	0.002	J
MW-107S	Offsite Wells	Shallow	12/18/2018	MW-107S-12182018	3	0.003	U
MW-107S	Offsite Wells	Shallow	09/24/2020	DUP-2_092420	3.8	0.0038	J
MW-107S	Offsite Wells	Shallow	09/24/2020	MW-107S_092420	3.4	0.0034	J
MW-107S	Offsite Wells	Shallow	01/27/2022	MW-107S_RI2022	3.9	0.0039	J
MW-107S	Offsite Wells	Shallow	09/19/2022	MW-107S	3.7	0.0037	J
MW-107S	Offsite Wells	Shallow	03/06/2023	MW-107S	3.1	0.0031	
MW-107S	Offsite Wells	Shallow	06/20/2023	MW-107S	3.9	0.0039	
MW-107S	Offsite Wells	Shallow	08/15/2023	MW-107S	6.4	0.0064	
MW-107S	Offsite Wells	Shallow	11/14/2023	DUP_111423	3.8	0.0038	
MW-107S	Offsite Wells	Shallow	11/14/2023	MW-107S	5.2	0.0052	
MW-108D	Offsite Wells	Middle PRM	12/14/2016	GW0026	3.3	0.0033	J
MW-108D	Offsite Wells	Middle PRM	12/14/2016	GW0025	0.6	0.0006	U
MW-108D	Offsite Wells	Middle PRM	12/19/2016	GW0028	0.6	0.0006	U
MW-108D	Offsite Wells	Middle PRM	12/20/2016	GW0029	0.6	0.0006	UJ
MW-108D	Offsite Wells	Middle PRM	12/24/2016	GW0030	2.8	0.0028	J
MW-108D	Offsite Wells	Middle PRM	01/31/2017	GW0003	0.75	0.00075	J
MW-108D	Offsite Wells	Middle PRM	01/31/2017	GW0002	0.6	0.0006	U
MW-108D	Offsite Wells	Middle PRM	12/18/2018	MW-108D12182018	3.1	0.0031	U
MW-108D	Offsite Wells	Middle PRM	09/22/2020	MW-108D_092220	1.9	0.0019	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-108D	Offsite Wells	Middle PRM	01/10/2022	MW-108D	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	09/12/2022	MW-108D	2.3	0.0023	U
MW-108D	Offsite Wells	Middle PRM	11/07/2022	MW-108D	2	0.002	U
MW-108D	Offsite Wells	Middle PRM	06/19/2023	MW-108D	0.91	0.00091	U
MW-108D	Offsite Wells	Middle PRM	08/14/2023	MW-108D	0.41	0.0041	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-108D	Offsite Wells	Middle PRM	11/16/2023	MW-108D	0.39	0.00039	U
MW-108S	Offsite Wells	Shallow	01/31/2017	GW0001	0.6	0.0006	U
MW-108S	Offsite Wells	Shallow	12/17/2018	MW108S-12172018	3.1	0.0031	U
MW-108S	Offsite Wells	Shallow	09/22/2020	MW-108S_092220	1.9	0.0019	U
MW-108S	Offsite Wells	Shallow	01/10/2022	MW-108S	2	0.002	U
MW-108S	Offsite Wells	Shallow	09/12/2022	MW-108S	2.3	0.0023	U
MW-108S	Offsite Wells	Shallow	11/07/2022	MW-108S	2	0.002	U
MW-108S	Offsite Wells	Shallow	06/19/2023	MW-108S	0.91	0.00091	U
MW-108S	Offsite Wells	Shallow	08/14/2023	MW-108S	0.41	0.00041	U
MW-108S	Offsite Wells	Shallow	11/16/2023	MW-108S	3.1	0.0031	
MW-109D	Offsite Wells	Deep	09/11/2018	109D-09112018-GW	4.57	0.00457	J
MW-109D	Offsite Wells	Deep	12/18/2018	MW-109D12182018	3	0.003	U
MW-109D	Offsite Wells	Deep	01/13/2022	MW-109D_RI2022	5.8	0.0058	
MW-109D	Offsite Wells	Deep	09/15/2022	MW-109D	5.8	0.0058	
MW-109D	Offsite Wells	Deep	03/11/2023	MW-109D	3.8	0.0038	
MW-109D	Offsite Wells	Deep	06/27/2023	MW-109D	8.8	0.0088	
MW-109D	Offsite Wells	Deep	08/16/2023	DUP_08162023	5.7	0.0057	
MW-109D	Offsite Wells	Deep	08/16/2023	MW-109D	6.2	0.0062	
MW-109S	Offsite Wells	Shallow	09/11/2018	109S-09112018-GW	**56.2**	**0.0562**	J
MW-109S	Offsite Wells	Shallow	09/28/2020	MW-109S_092820	**36.6**	**0.0366**	
MW-109S	Offsite Wells	Shallow	01/13/2022	MW-109S_RI2022	**30**	**0.03**	
MW-109S	Offsite Wells	Shallow	09/15/2022	MW-109S	**25.5**	**0.0255**	
MW-109S	Offsite Wells	Shallow	03/11/2023	MW-109S	**20.4**	**0.0204**	
MW-109S	Offsite Wells	Shallow	06/27/2023	MW-109S	**27.3**	**0.0273**	
MW-109S	Offsite Wells	Shallow	08/16/2023	MW-109S	**21.5**	**0.0215**	
MW-10I	Main Plant Area	Intermediate	03/13/2014	GW0009_20140313	12	0.012	UJ
MW-10I	Main Plant Area	Intermediate	03/21/2019	MW-10I_20190321	**80**	**0.08**	U
MW-10I	Main Plant Area	Intermediate	11/01/2022	MW-10I	**20**	**0.02**	U
MW-10I	Main Plant Area	Intermediate	03/13/2023	MW-10I	5.7	0.0057	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-10I	Main Plant Area	Intermediate	06/26/2023	MW-10I	10	0.01	U
MW-10I	Main Plant Area	Intermediate	08/22/2023	MW-10I	7.6	0.0076	
MW-10I	Main Plant Area	Intermediate	09/13/2023	MW-10I	7.4	0.0074	
MW-10I	Main Plant Area	Intermediate	11/27/2023	MW-10I	5.9	0.0059	
MW-10S	Main Plant Area	Shallow	03/13/2014	GW0010_20140313	12	0.012	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-10S	Main Plant Area	Shallow	03/21/2019	MW-10S_20190321	6.05	0.00605	J
MW-10X	Main Plant Area	Middle PRM	03/12/2014	GW0011_20140312	12	0.012	U
MW-10X	Main Plant Area	Middle PRM	09/19/2016	GW-147	3.4	0.0034	J
MW-10X	Main Plant Area	Middle PRM	09/30/2019	MW10X-093019	3.85	0.00385	J
MW-10X	Main Plant Area	Middle PRM	04/04/2023	MW-10X	4.7	0.0047	
MW-10X	Main Plant Area	Middle PRM	08/09/2023	MW-10X	4.2	0.0042	
MW-10X	Main Plant Area	Middle PRM	11/27/2023	MW-10X	4.1	0.0041	
MW-110D	Offsite Wells	Deep	09/11/2018	110D-09112018-GW	**27.5**	**0.0275**	
MW-110D	Offsite Wells	Deep	09/28/2020	MW-110D_092820	**34.1**	**0.0341**	
MW-110D	Offsite Wells	Deep	01/27/2022	MW-110D_RI2022	**25.1**	**0.0251**	
MW-110D	Offsite Wells	Deep	09/13/2022	MW-110D	**34.7**	**0.0347**	
MW-110D	Offsite Wells	Deep	08/16/2023	MW-110D	**33.3**	**0.0333**	
MW-110S	Offsite Wells	Shallow	09/11/2018	110S-09112018-GW	**42.1**	**0.0421**	
MW-110S	Offsite Wells	Shallow	09/28/2020	MW-110S_092820	**33.8**	**0.0338**	
MW-110S	Offsite Wells	Shallow	01/27/2022	MW-110S_RI2022	**30.1**	**0.0301**	
MW-110S	Offsite Wells	Shallow	09/13/2022	MW-110S	**35.6**	**0.0356**	
MW-111D	Offsite Wells	Deep	12/20/2018	MW-111D-12202018	**24.7**	**0.0247**	
MW-111D	Offsite Wells	Deep	10/01/2020	MW-111D_100120	**40.6**	**0.0406**	
MW-111D	Offsite Wells	Deep	01/13/2022	MW-111D_RI2022	**39.4**	**0.0394**	
MW-111D	Offsite Wells	Deep	09/13/2022	MW-111D	**39.8**	**0.0398**	
MW-111D	Offsite Wells	Deep	03/11/2023	MW-111D	**36.1**	**0.0361**	
MW-111D	Offsite Wells	Deep	06/27/2023	MW-111D	**37.7**	**0.0377**	
MW-111D	Offsite Wells	Deep	08/16/2023	MW-111D	**34.7**	**0.0347**	
MW-111D	Offsite Wells	Deep	11/17/2023	MW-111D	**36.7**	**0.0367**	
MW-111S	Offsite Wells	Shallow	12/20/2018	DUP-12202018	**17.5**	**0.0175**	
MW-111S	Offsite Wells	Shallow	12/20/2018	MW-111S-12202018	**14.7**	**0.0147**	
MW-111S	Offsite Wells	Shallow	10/01/2020	MW-111S_100120	**17.6**	**0.0176**	
MW-111S	Offsite Wells	Shallow	10/01/2020	DUP-3_100120	12	0.012	
MW-111S	Offsite Wells	Shallow	01/13/2022	MW-111S_RI2022	9.9	0.0099	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-111S	Offsite Wells	Shallow	09/13/2022	MW-111S	**15.2**	**0.0152**	
MW-111S	Offsite Wells	Shallow	03/11/2023	MW-111S	9.7	0.0097	
MW-111S	Offsite Wells	Shallow	06/27/2023	MW-111S	**13.2**	**0.0132**	
MW-111S	Offsite Wells	Shallow	06/27/2023	DUP-062723	11.9	0.0119	
MW-111S	Offsite Wells	Shallow	08/16/2023	MW-111S	**13.5**	**0.0135**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-111S	Offsite Wells	Shallow	11/17/2023	MW-111S	**14.1**	**0.0141**	
MW-112D	Offsite Wells	Deep	12/20/2018	MW-112D-12202018	2.5	0.0025	J
MW-112D	Offsite Wells	Deep	09/24/2020	MW-112D_092420	4.3	0.0043	
MW-112D	Offsite Wells	Deep	01/13/2022	MW-112D_RI2022	2.8	0.0028	J
MW-112D	Offsite Wells	Deep	09/14/2022	MW-112D	3.8	0.0038	J
MW-112D	Offsite Wells	Deep	11/08/2022	MW-112D	3.5	0.0035	J
MW-112D	Offsite Wells	Deep	03/07/2023	MW-112D	3.2	0.0032	
MW-112D	Offsite Wells	Deep	06/21/2023	MW-112D	3.5	0.0035	
MW-112D	Offsite Wells	Deep	08/15/2023	MW-112D	1.1	0.0011	J
MW-112D	Offsite Wells	Deep	11/14/2023	MW-112D	4.2	0.0042	
MW-112S	Offsite Wells	Shallow	12/20/2018	MW-112S-12202018	1.3	0.0013	U
MW-112S	Offsite Wells	Shallow	09/24/2020	MW-112S_092420	2.1	0.0021	U
MW-112S	Offsite Wells	Shallow	01/13/2022	MW-112S_RI2022	2.1	0.0021	U
MW-112S	Offsite Wells	Shallow	09/14/2022	MW-112S	2	0.002	U
MW-112S	Offsite Wells	Shallow	11/08/2022	MW-112S	2	0.002	U
MW-112S	Offsite Wells	Shallow	03/07/2023	MW-112S	8.3	0.0083	U
MW-112S	Offsite Wells	Shallow	06/21/2023	MW-112S	1.5	0.0015	J
MW-112S	Offsite Wells	Shallow	08/15/2023	MW-112S	0.41	0.00041	U
MW-112S	Offsite Wells	Shallow	11/14/2023	MW-112S	1.4	0.0014	J
MW-113D	Offsite Wells	Deep	12/19/2018	MW-113D-12192018	2.9	0.0029	U
MW-113D	Offsite Wells	Deep	09/24/2020	MW-113D_092420	2.9	0.0029	J
MW-113D	Offsite Wells	Deep	01/13/2022	MW-113D_RI2022	3.2	0.0032	J
MW-113D	Offsite Wells	Deep	01/13/2022	DUP-2_RI2022	2	0.002	U
MW-113D	Offsite Wells	Deep	09/14/2022	MW-113D	3.8	0.0038	J
MW-113D	Offsite Wells	Deep	03/07/2023	MW-113D	2.2	0.0022	
MW-113D	Offsite Wells	Deep	06/21/2023	MW-113D	3.2	0.0032	
MW-113D	Offsite Wells	Deep	08/15/2023	MW-113D	3.7	0.0037	
MW-113D	Offsite Wells	Deep	11/14/2023	MW-113D	2.6	0.0026	
MW-113S	Offsite Wells	Shallow	12/19/2018	MW-113S-12192018	12.1	0.0121	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-113S	Offsite Wells	Shallow	09/24/2020	MW-113S_092420	**24.6**	**0.0246**	
MW-113S	Offsite Wells	Shallow	01/13/2022	MW-113S_RI2022	**13.8**	**0.0138**	
MW-113S	Offsite Wells	Shallow	09/14/2022	MW-113S	11.2	0.0112	
MW-113S	Offsite Wells	Shallow	03/07/2023	MW-113S	**16.1**	**0.0161**	
MW-113S	Offsite Wells	Shallow	06/21/2023	MW-113S	12	0.012	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-113S	Offsite Wells	Shallow	08/15/2023	MW-113S	3.6	0.0036	
MW-113S	Offsite Wells	Shallow	11/14/2023	MW-113S	**24.1**	**0.0241**	
MW-114D	Offsite Wells	Deep	12/19/2018	MW-114D-12192018	3.3	0.0033	U
MW-114D	Offsite Wells	Deep	09/22/2020	MW-114D_092220	4	0.004	J
MW-114D	Offsite Wells	Deep	01/11/2022	MW-114D_RI2022	3.8	0.0038	J
MW-114D	Offsite Wells	Deep	09/13/2022	MW-114D	4.4	0.0044	J
MW-114D	Offsite Wells	Deep	06/20/2023	MW-114D	3.6	0.0036	
MW-114D	Offsite Wells	Deep	08/14/2023	MW-114D	4.5	0.0045	
MW-114D	Offsite Wells	Deep	11/14/2023	MW-114D	6.4	0.0064	
MW-114S	Offsite Wells	Shallow	12/19/2018	MW-114S-12192018	8.67	0.00867	
MW-114S	Offsite Wells	Shallow	09/22/2020	MW-114S_092220	8.5	0.0085	
MW-114S	Offsite Wells	Shallow	01/11/2022	MW-114S_RI2022	9.3	0.0093	
MW-114S	Offsite Wells	Shallow	09/13/2022	MW-114S	11.2	0.0112	
MW-114S	Offsite Wells	Shallow	03/07/2023	MW-114S	6.8	0.0068	
MW-114S	Offsite Wells	Shallow	06/20/2023	MW-114S	6.8	0.0068	
MW-114S	Offsite Wells	Shallow	08/14/2023	MW-114S	12.4	0.0124	
MW-114S	Offsite Wells	Shallow	11/14/2023	MW-114S	12.2	0.0122	
MW-114X	Offsite Wells	Lower PRM	03/28/2023	MW-114X	0.88	0.00088	U
MW-114X	Offsite Wells	Lower PRM	08/08/2023	MW-114X	1.2	0.0012	J
MW-115X	Offsite Wells	Middle PRM	05/06/2019	MW115X-050619	1.5	0.0015	U
MW-115X	Offsite Wells	Middle PRM	04/06/2023	MW-115X	8.3	0.0083	U
MW-115X	Offsite Wells	Middle PRM	08/08/2023	MW-115X	0.42	0.00042	U
MW-115X	Offsite Wells	Middle PRM	11/27/2023	MW-115X	0.42	0.00042	U
MW-116D	Offsite Wells	Deep	09/23/2020	MW-116D_092320	5	0.005	U
MW-116D	Offsite Wells	Deep	01/12/2022	MW-116D_RI2022	**17**	**0.017**	U
MW-116D	Offsite Wells	Deep	09/13/2022	MW-116D	3.3	0.0033	J
MW-116D	Offsite Wells	Deep	03/06/2023	MW-116D	2.3	0.0023	
MW-116D	Offsite Wells	Deep	06/22/2023	MW-116D	2.3	0.0023	
MW-116D	Offsite Wells	Deep	08/15/2023	MW-116D	2	0.002	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-116D	Offsite Wells	Deep	11/14/2023	MW-116D	3.1	0.0031	
MW-116S	Offsite Wells	Shallow	09/23/2020	MW-116S_092320	**18.1**	**0.0181**	J
MW-116S	Offsite Wells	Shallow	09/23/2020	DUP-1_092320	**17.4**	**0.0174**	J
MW-116S	Offsite Wells	Shallow	01/11/2022	MW-116S_RI2022	11.8	0.0118	
MW-116S	Offsite Wells	Shallow	09/13/2022	MW-116S	**17.1**	**0.0171**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-116S	Offsite Wells	Shallow	03/06/2023	MW-116S	12.8	0.0128	
MW-116S	Offsite Wells	Shallow	06/22/2023	MW-116S	**16.7**	**0.0167**	
MW-116S	Offsite Wells	Shallow	08/15/2023	MW-116S	**14.7**	**0.0147**	
MW-116S	Offsite Wells	Shallow	11/14/2023	MW-116S	1.3	0.0013	J
MW-117D	Offsite Wells	Deep	09/23/2020	MW-117D_092320	**500**	**0.5**	U
MW-117D	Offsite Wells	Deep	12/04/2020	MW-117D_120420	6.3	0.0063	U
MW-117D	Offsite Wells	Deep	01/13/2022	MW-117D_RI2022	2.1	0.0021	U
MW-117D	Offsite Wells	Deep	09/15/2022	MW-117D	2	0.002	U
MW-117D	Offsite Wells	Deep	03/06/2023	MW-117D	0.92	0.00092	U
MW-117D	Offsite Wells	Deep	06/22/2023	MW-117D	0.98	0.00098	U
MW-117D	Offsite Wells	Deep	08/16/2023	MW-117D	0.45	0.00045	U
MW-117D	Offsite Wells	Deep	11/15/2023	MW-117D	2.1	0.0021	
MW-117S	Offsite Wells	Shallow	09/23/2020	MW-117S_092320	**500**	**0.5**	U
MW-117S	Offsite Wells	Shallow	12/04/2020	MW-117S_120420	7.2	0.0072	U
MW-117S	Offsite Wells	Shallow	01/13/2022	MW-117S_RI2022	2.1	0.0021	U
MW-117S	Offsite Wells	Shallow	09/15/2022	MW-117S	2	0.002	U
MW-117S	Offsite Wells	Shallow	03/06/2023	MW-117S	1.1	0.0011	U
MW-117S	Offsite Wells	Shallow	06/22/2023	MW-117S	1	0.001	U
MW-117S	Offsite Wells	Shallow	08/16/2023	MW-117S	0.42	0.00042	U
MW-117S	Offsite Wells	Shallow	11/15/2023	MW-117S	0.88	0.00088	J
MW-118D	Offsite Wells	Deep	09/24/2020	MW-118D_092420	**17.6**	**0.0176**	
MW-118D	Offsite Wells	Deep	01/12/2022	MW-118D_RI2022	**16.9**	**0.0169**	
MW-118D	Offsite Wells	Deep	09/14/2022	MW-118D	**18.8**	**0.0188**	
MW-118D	Offsite Wells	Deep	03/11/2023	MW-118D	8.3	0.0083	
MW-118D	Offsite Wells	Deep	06/22/2023	MW-118D	2.2	0.0022	
MW-118D	Offsite Wells	Deep	08/16/2023	MW-118D	1.8	0.0018	J
MW-118D	Offsite Wells	Deep	11/15/2023	MW-118D	**13.6**	**0.0136**	
MW-118S	Offsite Wells	Shallow	09/24/2020	MW-118S_092420	9.8	0.0098	
MW-118S	Offsite Wells	Shallow	01/12/2022	MW-118S_RI2022	10	0.01	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-118S	Offsite Wells	Shallow	09/14/2022	MW-118S	9.9	0.0099	
MW-118S	Offsite Wells	Shallow	03/11/2023	MW-118S	4.6	0.0046	
MW-118S	Offsite Wells	Shallow	06/22/2023	MW-118S	6.7	0.0067	
MW-118S	Offsite Wells	Shallow	08/16/2023	MW-118S	7	0.007	
MW-118S	Offsite Wells	Shallow	11/15/2023	MW-118S	6.7	0.0067	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-119D	Offsite Wells	Deep	09/22/2020	MW-119D_092220	3.8	0.0038	
MW-119D	Offsite Wells	Deep	01/10/2022	DUP-1_RI2022	2	0.002	U
MW-119D	Offsite Wells	Deep	01/10/2022	MW-119D_RI2022	2	0.002	U
MW-119D	Offsite Wells	Deep	09/12/2022	MW-119D	2.5	0.0025	U
MW-119D	Offsite Wells	Deep	11/07/2022	MW-119D	2	0.002	U
MW-119D	Offsite Wells	Deep	03/08/2023	MW-119D	8.3	0.0083	U
MW-119D	Offsite Wells	Deep	06/19/2023	MW-119D	0.91	0.00091	U
MW-119D	Offsite Wells	Deep	08/14/2023	MW-119D	1.4	0.0014	J
MW-119D	Offsite Wells	Deep	11/14/2023	MW-119D	0.4	0.0004	U
MW-119S	Offsite Wells	Shallow	09/22/2020	MW-119S_092220	2.1	0.0021	U
MW-119S	Offsite Wells	Shallow	01/10/2022	MW-119S_RI2022	2.1	0.0021	U
MW-119S	Offsite Wells	Shallow	09/12/2022	MW-119S	2	0.002	U
MW-119S	Offsite Wells	Shallow	11/07/2022	MW-119S	2	0.002	U
MW-119S	Offsite Wells	Shallow	03/08/2023	MW-119S	0.97	0.00097	U
MW-119S	Offsite Wells	Shallow	06/19/2023	MW-119S	0.96	0.00096	U
MW-119S	Offsite Wells	Shallow	08/14/2023	MW-119S	0.77	0.00077	J
MW-119S	Offsite Wells	Shallow	11/14/2023	MW-119S	0.4	0.0004	U
MW-11D	Main Plant Area	Intermediate	03/12/2014	GW0012_20140312	**69**	**0.069**	
MW-11D	Main Plant Area	Intermediate	03/22/2019	MW-11D_20190322	**39.6**	**0.0396**	
MW-11DD	Main Plant Area	Deep	03/12/2014	GW0013_20140312	**27**	**0.027**	
MW-11DD	Main Plant Area	Deep	03/22/2019	MW-11DD_20190322	**28**	**0.028**	
MW-120D	Offsite Wells	Deep	12/17/2018	MW-120D-12172018	**26.8**	**0.0268**	
MW-120D	Offsite Wells	Deep	09/28/2020	MW-120D_092820	**26.4**	**0.0264**	
MW-120D	Offsite Wells	Deep	01/13/2022	MW-120D_RI2022	**22.5**	**0.0225**	
MW-120D	Offsite Wells	Deep	09/15/2022	MW-120D	11.6	0.0116	
MW-120D	Offsite Wells	Deep	03/13/2023	MW-120D	**18.8**	**0.0188**	
MW-120D	Offsite Wells	Deep	06/21/2023	DUP_062123	**25**	**0.025**	
MW-120D	Offsite Wells	Deep	06/21/2023	MW-120D	**24.3**	**0.0243**	
MW-120D	Offsite Wells	Deep	08/17/2023	MW-120D	12.7	0.0127	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-120D	Offsite Wells	Deep	11/16/2023	MW-120D	**28.1**	**0.0281**	
MW-120S	Offsite Wells	Shallow	12/17/2018	MW-120S-12172018	**19.9**	**0.0199**	
MW-120S	Offsite Wells	Shallow	09/28/2020	MW-120S_092820	**16.5**	**0.0165**	
MW-120S	Offsite Wells	Shallow	01/13/2022	MW-120S_RI2022	**15.5**	**0.0155**	
MW-120S	Offsite Wells	Shallow	09/15/2022	MW-120S	**13.8**	**0.0138**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-120S	Offsite Wells	Shallow	03/13/2023	MW-120S	12.6	0.0126	
MW-120S	Offsite Wells	Shallow	06/21/2023	MW-120S	**15.7**	**0.0157**	
MW-120S	Offsite Wells	Shallow	08/17/2023	MW-120S	0.43	0.00043	U
MW-120S	Offsite Wells	Shallow	11/16/2023	MW-120S	**16.5**	**0.0165**	
MW-121D	Offsite Wells	Deep	12/20/2018	MW-121D-12202018	**28.3**	**0.0283**	
MW-121D	Offsite Wells	Deep	09/25/2020	MW-121D_092520	**30.5**	**0.0305**	
MW-121D	Offsite Wells	Deep	01/14/2022	MW-121D_RI2022	**27.2**	**0.0272**	
MW-121D	Offsite Wells	Deep	09/16/2022	MW-121D	**24.4**	**0.0244**	
MW-121D	Offsite Wells	Deep	03/10/2023	MW-121D	**26.5**	**0.0265**	
MW-121D	Offsite Wells	Deep	06/26/2023	MW-121D	**31**	**0.031**	
MW-121D	Offsite Wells	Deep	08/16/2023	MW-121D	**25.3**	**0.0253**	
MW-121D	Offsite Wells	Deep	11/15/2023	MW-121D	**14.2**	**0.0142**	
MW-121S	Offsite Wells	Shallow	12/20/2018	MW-121S-12202018	**49.3**	**0.0493**	
MW-121S	Offsite Wells	Shallow	09/25/2020	MW-121S_092520	**29**	**0.029**	
MW-121S	Offsite Wells	Shallow	01/14/2022	MW-121S_RI2022	**23.8**	**0.0238**	
MW-121S	Offsite Wells	Shallow	09/16/2022	MW-121S	**20.6**	**0.0206**	
MW-121S	Offsite Wells	Shallow	03/10/2023	MW-121S	**26.5**	**0.0265**	
MW-121S	Offsite Wells	Shallow	06/26/2023	MW-121S	0.95	0.00095	U
MW-121S	Offsite Wells	Shallow	08/16/2023	MW-121S	**20.9**	**0.0209**	
MW-121S	Offsite Wells	Shallow	11/15/2023	MW-121S	**26.2**	**0.0262**	
MW-122D	Offsite Wells	Deep	09/28/2020	MW-122D_092820	3.8	0.0038	J
MW-122D	Offsite Wells	Deep	01/14/2022	MW-122D_RI2022	6	0.006	
MW-122D	Offsite Wells	Deep	09/16/2022	MW-122D	4.2	0.0042	
MW-122D	Offsite Wells	Deep	11/09/2022	MW-122D	4.6	0.0046	
MW-122D	Offsite Wells	Deep	03/28/2023	MW-122D	4.6	0.0046	
MW-122D	Offsite Wells	Deep	03/28/2023	DUP_032823	4.1	0.0041	
MW-122D	Offsite Wells	Deep	06/26/2023	MW-122D	4.9	0.0049	
MW-122D	Offsite Wells	Deep	08/17/2023	MW-122D	2.6	0.0026	
MW-122D	Offsite Wells	Deep	11/16/2023	MW-122D	5.4	0.0054	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-122S	Offsite Wells	Shallow	09/28/2020	MW-122S_092820	**21.8**	**0.0218**	
MW-122S	Offsite Wells	Shallow	01/14/2022	MW-122S_RI2022	**18.1**	**0.0181**	
MW-122S	Offsite Wells	Shallow	09/16/2022	MW-122S	**13.8**	**0.0138**	
MW-122S	Offsite Wells	Shallow	11/09/2022	DUP1-11.09.2022	**16.7**	**0.0167**	
MW-122S	Offsite Wells	Shallow	11/09/2022	MW-122S	**16.7**	**0.0167**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-122S	Offsite Wells	Shallow	03/28/2023	MW-122S	**19.5**	**0.0195**	
MW-122S	Offsite Wells	Shallow	06/26/2023	MW-122S	**16.9**	**0.0169**	
MW-122S	Offsite Wells	Shallow	08/17/2023	MW-122S	0.43	0.00043	U
MW-122S	Offsite Wells	Shallow	11/16/2023	MW-122S	**20.9**	**0.0209**	
MW-123D	Offsite Wells	Lower PRM	09/28/2020	MW-123D_092820	1.9	0.0019	U
MW-123D	Offsite Wells	Lower PRM	01/14/2022	MW-123D_RI2022	2	0.002	U
MW-123D	Offsite Wells	Lower PRM	09/19/2022	MW-123D	2	0.002	U
MW-123D	Offsite Wells	Lower PRM	04/05/2023	MW-123D	8.3	0.0083	U
MW-123D	Offsite Wells	Lower PRM	08/18/2023	MW-123D	0.38	0.00038	J
MW-123I	Offsite Wells	Middle PRM	09/28/2020	MW-123I_092820	**18.1**	**0.0181**	
MW-123I	Offsite Wells	Middle PRM	01/14/2022	MW-123I_RI2022	12.6	0.0126	
MW-123I	Offsite Wells	Middle PRM	09/19/2022	MW-123I	**20**	**0.02**	
MW-123I	Offsite Wells	Middle PRM	04/05/2023	MW-123I	**24.4**	**0.0244**	
MW-123I	Offsite Wells	Middle PRM	08/18/2023	MW-123I	**18.7**	**0.0187**	
MW-123S	Offsite Wells	Shallow	09/28/2020	MW-123S_092820	**84.1**	**0.0841**	
MW-123S	Offsite Wells	Shallow	01/14/2022	MW-123S_RI2022	**95.5**	**0.0955**	
MW-123S	Offsite Wells	Shallow	09/19/2022	MW-123S	**133**	**0.133**	
MW-123S	Offsite Wells	Shallow	03/13/2023	MW-123S	**121**	**0.121**	
MW-123S	Offsite Wells	Shallow	06/23/2023	MW-123S	**136**	**0.136**	
MW-123S	Offsite Wells	Shallow	08/18/2023	MW-123S	**94.5**	**0.0945**	
MW-124D	Offsite Wells	Deep	12/04/2020	MW-124D_120420	**23.9**	**0.0239**	
MW-124D	Offsite Wells	Deep	01/14/2022	MW-124D_RI2022	**29.8**	**0.0298**	
MW-124D	Offsite Wells	Deep	09/20/2022	MW-124D	**36.7**	**0.0367**	
MW-124D	Offsite Wells	Deep	03/08/2023	DUP_030823	**29.2**	**0.0292**	
MW-124D	Offsite Wells	Deep	03/08/2023	MW-124D	**23.9**	**0.0239**	
MW-124D	Offsite Wells	Deep	06/23/2023	MW-124D	**29.7**	**0.0297**	
MW-124D	Offsite Wells	Deep	08/18/2023	MW-124D	**26.7**	**0.0267**	
MW-124D	Offsite Wells	Deep	11/16/2023	MW-124D	**31.9**	**0.0319**	
MW-124S	Offsite Wells	Shallow	12/04/2020	DUP_120420	8.5	0.0085	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-124S	Offsite Wells	Shallow	12/04/2020	MW-124S_120420	8.4	0.0084	
MW-124S	Offsite Wells	Shallow	01/14/2022	MW-124S_RI2022	11.6	0.0116	
MW-124S	Offsite Wells	Shallow	09/20/2022	MW-124S	**14.2**	**0.0142**	
MW-124S	Offsite Wells	Shallow	03/08/2023	MW-124S	9.6	0.0096	
MW-124S	Offsite Wells	Shallow	06/23/2023	MW-124S	10.2	0.0102	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-124S	Offsite Wells	Shallow	08/18/2023	MW-124S	8.5	0.0085	
MW-124S	Offsite Wells	Shallow	11/16/2023	MW-124S	**15.7**	**0.0157**	
MW-125D	Offsite Wells	Deep	12/03/2020	MW-125D_120320	**40**	**0.04**	U
MW-125D	Offsite Wells	Deep	12/03/2020	MW-125D_120320B	10	0.01	U
MW-125D	Offsite Wells	Deep	01/13/2022	MW-125D_RI2022	2	0.002	U
MW-125D	Offsite Wells	Deep	09/15/2022	MW-125D	3.5	0.0035	J
MW-125D	Offsite Wells	Deep	03/09/2023	MW-125D	4.2	0.0042	
MW-125D	Offsite Wells	Deep	06/20/2023	MW-125D	3.2	0.0032	
MW-125D	Offsite Wells	Deep	08/14/2023	MW-125D	4	0.004	
MW-125D	Offsite Wells	Deep	11/13/2023	MW-125D	3.8	0.0038	
MW-125S	Offsite Wells	Shallow	12/03/2020	MW-125S_120320	2.9	0.0029	J
MW-125S	Offsite Wells	Shallow	01/13/2022	MW-125S_RI2022	2.4	0.0024	J
MW-125S	Offsite Wells	Shallow	09/15/2022	MW-125S	3.3	0.0033	J
MW-125S	Offsite Wells	Shallow	03/09/2023	MW-125S	3.3	0.0033	
MW-125S	Offsite Wells	Shallow	06/20/2023	MW-125S	3.4	0.0034	
MW-125S	Offsite Wells	Shallow	08/14/2023	MW-125S	3.8	0.0038	
MW-125S	Offsite Wells	Shallow	11/13/2023	MW-125S	4.4	0.0044	
MW-126D	Offsite Wells	Deep	12/30/2021	MW-126D	2.1	0.0021	U
MW-126D	Offsite Wells	Deep	09/12/2022	MW-126D	2.1	0.0021	U
MW-126D	Offsite Wells	Deep	09/12/2022	DUP_09.12.2022	2	0.002	U
MW-126D	Offsite Wells	Deep	03/06/2023	DUP_030623	0.93	0.00093	U
MW-126D	Offsite Wells	Deep	03/06/2023	MW-126D	0.93	0.00093	U
MW-126D	Offsite Wells	Deep	06/19/2023	MW-126D	0.91	0.00091	U
MW-126D	Offsite Wells	Deep	06/19/2023	DUP_061923	0.91	0.00091	U
MW-126D	Offsite Wells	Deep	08/14/2023	MW-126D	0.42	0.0004	U
MW-126D	Offsite Wells	Deep	08/14/2023	DUP_081423	0.41	0.0004	U
MW-126D	Offsite Wells	Deep	11/13/2023	MW-126D	3.8	0.0038	
MW-126S	Offsite Wells	Shallow	12/30/2021	MW-126S	2	0.002	U
MW-126S	Offsite Wells	Shallow	09/12/2022	MW-126S	2	0.002	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-126S	Offsite Wells	Shallow	03/06/2023	MW-126S	1.5	0.0015	J
MW-126S	Offsite Wells	Shallow	06/19/2023	MW-126S	1.3	0.0013	J
MW-126S	Offsite Wells	Shallow	08/14/2023	MW-126S	0.99	0.00099	J
MW-126S	Offsite Wells	Shallow	11/13/2023	MW-126S	1.9	0.0019	J
MW-127D	Offsite Wells	Deep	12/30/2021	MW-127D	**27.4**	**0.0274**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-127D	Offsite Wells	Deep	09/19/2022	MW-127D	**31.2**	**0.0312**	
MW-127D	Offsite Wells	Deep	09/19/2022	DUP_09.19.2022	**30.3**	**0.0303**	
MW-127D	Offsite Wells	Deep	03/08/2023	MW-127D	**27.6**	**0.0276**	
MW-127D	Offsite Wells	Deep	06/21/2023	MW-127D	**26.6**	**0.0266**	
MW-127D	Offsite Wells	Deep	08/18/2023	DUP_081823	**20.1**	**0.0201**	
MW-127D	Offsite Wells	Deep	08/18/2023	MW-127D	**20.1**	**0.0201**	J
MW-127D	Offsite Wells	Deep	11/16/2023	MW-127D	**22**	**0.022**	
MW-127S	Offsite Wells	Shallow	12/30/2021	DUP1-123021	2.2	0.0022	U
MW-127S	Offsite Wells	Shallow	12/30/2021	MW-127S	2	0.002	U
MW-127S	Offsite Wells	Shallow	09/19/2022	MW-127S	2	0.002	U
MW-127S	Offsite Wells	Shallow	03/08/2023	MW-127S	1	0.001	J
MW-127S	Offsite Wells	Shallow	06/21/2023	MW-127S	1.2	0.0012	J
MW-127S	Offsite Wells	Shallow	08/18/2023	MW-127S	1.1	0.0011	J
MW-127S	Offsite Wells	Shallow	11/16/2023	MW-127S	1.5	0.0015	J
MW-128S	Main Plant Area	Shallow	03/10/2023	MW-128S	5.3	0.0053	
MW-128S	Main Plant Area	Shallow	06/26/2023	MW-128S	9.4	0.0094	U
MW-128S	Main Plant Area	Shallow	08/23/2023	MW-128S	6.5	0.0065	
MW-128S	Offsite Wells	Shallow	11/29/2023	MW-128S	5.6	0.0056	
MW-129S	Main Plant Area	Shallow	03/10/2023	MW-129S	5.8	0.0058	
MW-129S	Main Plant Area	Shallow	06/26/2023	MW-129S	10	0.01	U
MW-129S	Main Plant Area	Shallow	08/23/2023	DUP_082323	8	0.008	
MW-129S	Main Plant Area	Shallow	08/23/2023	MW-129S	10.6	0.0106	
MW-129S	Offsite Wells	Shallow	11/29/2023	MW-129S	3.4	0.0034	
MW-12S	Main Plant Area	Shallow	03/25/2019	MW-12S_20190325	9.37	0.00937	
MW-130D	Offsite Wells	Deep	08/17/2023	MW-130D	1.8	0.0018	
MW-130D	Offsite Wells	Deep	11/17/2023	MW-130D	**56.7**	**0.0567**	
MW-130S	Offsite Wells	Shallow	08/17/2023	MW-130S	**103**	**0.103**	
MW-130S	Offsite Wells	Shallow	11/17/2023	MW-130S	**97.9**	**0.0979**	
MW-131D	Offsite Wells	Deep	08/17/2023	MW-131D	**18.4**	**0.0184**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-131D	Offsite Wells	Deep	11/17/2023	MW-131D	**16.7**	**0.0167**	
MW-131S	Offsite Wells	Shallow	08/17/2023	MW-131S	11.5	0.0115	
MW-131S	Offsite Wells	Shallow	11/17/2023	DUP_111723	**19.1**	**0.0191**	
MW-131S	Offsite Wells	Shallow	11/17/2023	MW-131S	**18.7**	**0.0187**	
MW-132D	Offsite Wells	Deep	08/17/2023	MW-132D	0.38	0.00038	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-132D	Offsite Wells	Deep	11/16/2023	MW-132D	0.39	0.00039	U
MW-132S	Offsite Wells	Shallow	08/17/2023	MW-132S	0.38	0.00038	U
MW-132S	Offsite Wells	Shallow	11/16/2023	MW-132S	1.7	0.0017	J
MW-133D	Offsite Wells	Deep	08/17/2023	MW-133D	**26.1**	**0.0261**	
MW-133D	Offsite Wells	Deep	11/16/2023	MW-133D	**24.1**	**0.0241**	
MW-133S	Offsite Wells	Shallow	08/17/2023	MW-133S	**19.3**	**0.0193**	
MW-133S	Offsite Wells	Shallow	11/16/2023	MW-133S	10.5	0.0105	
MW-134D	Offsite Wells	Deep	08/16/2023	MW-134D	0.38	0.00038	U
MW-134D	Offsite Wells	Deep	11/15/2023	DUP_111523	1.6	0.0016	J
MW-134D	Offsite Wells	Deep	11/15/2023	MW-134D	0.42	0.00042	U
MW-134S	Offsite Wells	Shallow	08/16/2023	MW-134S	0.41	0.00041	U
MW-134S	Offsite Wells	Shallow	11/15/2023	MW-134S	2	0.002	
MW-135D	Offsite Wells	Deep	11/13/2023	MW-135D	0.98	0.00098	J
MW-135S	Offsite Wells	Shallow	11/13/2023	MW-135S	3.2	0.0032	U
MW-14S	Main Plant Area	Shallow	03/25/2019	MW-14S_20190325	8	0.008	
MW-15S	Main Plant Area	Shallow	03/13/2014	GW0014_20140313	12	0.012	U
MW-15S	Main Plant Area	Shallow	03/25/2019	MW-15S_20190325	3.18	0.00318	J
MW-16I	Main Plant Area	Intermediate	09/20/2016	GW-156	4.2	0.0042	J
MW-16I	Main Plant Area	Intermediate	03/25/2019	MW-16I_20190325	11.7	0.0117	
MW-16S	Main Plant Area	Shallow	09/22/2016	GW-160	4.7	0.0047	
MW-16S	Main Plant Area	Shallow	03/25/2019	MW-16S_20190325	8	0.008	U
MW-16S	Main Plant Area	Shallow	11/02/2022	MW-16S	2	0.002	U
MW-16S	Main Plant Area	Shallow	03/09/2023	MW-16S	1.5	0.0015	J
MW-16S	Main Plant Area	Shallow	06/27/2023	MW-16S	3.1	0.0031	
MW-16S	Main Plant Area	Shallow	08/23/2023	MW-16S	4.9	0.0049	
MW-16S	Main Plant Area	Shallow	09/14/2023	MW-16S	**69.8**	**0.0698**	J
MW-16S	Main Plant Area	Shallow	11/29/2023	MW-16S	1.6	0.0016	J
MW-17S	Main Plant Area	Shallow	03/13/2014	GW0015_20140313	12	0.012	U
MW-17S	Main Plant Area	Shallow	03/25/2019	MW-17S_20190325	6.05	0.00605	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-18D	Offsite Wells	Deep	03/21/2014	GW0034_20140321	13	0.013	U
MW-18D	Offsite Wells	Deep	09/16/2016	GW-136	7.9	0.0079	
MW-18I	Offsite Wells	Intermediate	03/21/2014	GW0035_20140321	13	0.013	J
MW-18I	Offsite Wells	Intermediate	09/16/2016	GW-137	**18**	**0.018**	
MW-18S	Offsite Wells	Shallow	03/21/2014	GW0036_20140321	13	0.013	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-19D	Offsite Wells	Deep	03/21/2014	GW0037_20140321	**21**	**0.021**	J
MW-19D	Offsite Wells	Deep	09/21/2016	GW-150	**34**	**0.034**	
MW-19D	Offsite Wells	Deep	09/23/2020	MW-19D_092320	**96**	**0.096**	U
MW-19D	Offsite Wells	Deep	10/18/2022	MW-19D	**21.4**	**0.0214**	
MW-19D	Offsite Wells	Deep	03/14/2023	MW-19D	**14.6**	**0.0146**	
MW-19D	Offsite Wells	Deep	06/28/2023	MW-19D	**14.6**	**0.0146**	
MW-19D	Offsite Wells	Deep	08/18/2023	MW-19D	7	0.007	
MW-19D	Offsite Wells	Deep	09/07/2023	MW-19D	0.43	0.00043	U
MW-19D	Offsite Wells	Deep	11/17/2023	MW-19D	**43.9**	**0.0439**	J
MW-19I	Offsite Wells	Intermediate	03/21/2014	GW0038_20140321	13	0.013	UJ
MW-19I	Offsite Wells	Intermediate	09/16/2016	GW-125	6.8	0.0068	
MW-19I	Offsite Wells	Intermediate	10/01/2020	MW-19I_100120	6.5	0.0065	
MW-19I	Offsite Wells	Intermediate	09/20/2022	MW-19I	**40**	**0.04**	U
MW-19I	Offsite Wells	Intermediate	03/14/2023	MW-19I	3	0.003	
MW-19I	Offsite Wells	Intermediate	06/28/2023	MW-19I	3.4	0.0034	
MW-19I	Offsite Wells	Intermediate	08/18/2023	MW-19I	2.3	0.0023	
MW-19I	Offsite Wells	Intermediate	11/17/2023	MW-19I	**43**	**0.043**	U
MW-19S	Offsite Wells	Shallow	03/21/2014	GW0039_20140321	13	0.013	U
MW-19S	Offsite Wells	Shallow	10/01/2020	MW-19S_100120	5.8	0.0058	
MW-19S	Offsite Wells	Shallow	03/14/2023	MW-19S	9.4	0.0094	
MW-19S	Offsite Wells	Shallow	11/16/2023	MW-19S	6.6	0.0066	
MW-19X	Offsite Wells	Middle PRM	09/21/2016	GW-151	1.4	0.0014	J
MW-19X	Offsite Wells	Middle PRM	10/28/2019	MW19X-10282019	3.8	0.0038	U
MW-19X	Offsite Wells	Middle PRM	04/05/2023	MW-19X	0.89	0.00089	U
MW-19X	Offsite Wells	Middle PRM	08/18/2023	MW-19X	0.44	0.0004	U
MW-19X	Offsite Wells	Middle PRM	11/16/2023	MW-19X	0.4	0.0004	U
MW-1D	Main Plant Area	Deep	03/12/2014	GW0008_20140312	12	0.012	UJ
MW-1D	Main Plant Area	Deep	03/21/2019	MW-1D_20190321	**80**	**0.08**	U
MW-1D	Main Plant Area	Deep	03/21/2019	MW-1D_20190321FD	**80**	**0.08**	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-1D	Main Plant Area	Deep	10/20/2022	MW-1D	12.9	0.0129	
MW-1D	Main Plant Area	Deep	03/13/2023	MW-1D	12.8	0.0128	
MW-1D	Main Plant Area	Deep	06/26/2023	MW-1D	**13.2**	**0.0132**	J
MW-1D	Main Plant Area	Deep	08/22/2023	MW-1D	**18**	**0.018**	
MW-1D	Main Plant Area	Deep	09/13/2023	MW-1D	**20.3**	**0.0203**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-1D	Main Plant Area	Deep	09/13/2023	DUP_091323	**21.9**	**0.0219**	
MW-1D	Main Plant Area	Deep	12/01/2023	MW-1D	**19.4**	**0.0194**	
MW-22X	Main Plant Area	Middle PRM	04/04/2023	MW-22X	**505**	**0.505**	UJ
MW-22X	Main Plant Area	Middle PRM	04/04/2023	MW-22X	**24.85**	**0.02485**	
MW-22X	Main Plant Area	Middle PRM	08/08/2023	MW-22X	**31**	**0.031**	
MW-22X	Main Plant Area	Middle PRM	11/29/2023	MW-22X	9.1	0.0091	
MW-24D	Dredge Spoil Area	Deep	03/13/2014	GW0016_20140313	**30**	**0.03**	
MW-24D	Dredge Spoil Area	Deep	09/21/2016	GW-154	**30**	**0.03**	
MW-24D	Dredge Spoil Area	Deep	09/28/2020	MW-24D_092820	**18.4**	**0.0184**	
MW-24D	Dredge Spoil Area	Deep	10/19/2022	MW-24D	**18.1**	**0.0181**	
MW-24D	Dredge Spoil Area	Deep	08/21/2023	MW-24D	**17.4**	**0.0174**	
MW-24D	Dredge Spoil Area	Deep	09/14/2023	MW-24D	**14.3**	**0.0143**	
MW-24D	Dredge Spoil Area	Deep	11/29/2023	MW-24D	**14.6**	**0.0146**	
MW-24I	Dredge Spoil Area	Intermediate	03/13/2014	GW0017_20140313	**19**	**0.019**	J
MW-24I	Dredge Spoil Area	Intermediate	09/21/2016	GW-153	12	0.012	
MW-24I	Dredge Spoil Area	Intermediate	09/28/2020	MW-24I_092820	9.4	0.0094	
MW-24I	Dredge Spoil Area	Intermediate	10/19/2022	MW-24I	9.8	0.0098	
MW-24I	Dredge Spoil Area	Intermediate	08/21/2023	MW-24I	2.8	0.0028	
MW-24I	Dredge Spoil Area	Intermediate	09/14/2023	MW-24I	8.9	0.0089	
MW-24I	Dredge Spoil Area	Intermediate	11/29/2023	MW-24I	7.7	0.0077	
MW-25D	Offsite Wells	Deep	03/20/2014	GW0044_20140320	**43**	**0.043**	
MW-25IL	Offsite Wells	Intermediate	03/20/2014	GW0043_20140320	**36**	**0.036**	
MW-25IL	Offsite Wells	Intermediate	10/18/2022	MW-25IL	**15.4**	**0.0154**	
MW-25IL	Offsite Wells	Intermediate	09/07/2023	MW-25IL	**14.7**	**0.0147**	
MW-25IU	Offsite Wells	Intermediate	03/20/2014	GW0041_20140320	**16**	**0.016**	J
MW-25IU	Offsite Wells	Intermediate	03/20/2014	GW0042_20140320	13	0.013	UJ
MW-25IU	Offsite Wells	Intermediate	11/01/2022	MW-25IU	8.4	0.0084	
MW-25S	Offsite Wells	Shallow	03/20/2014	GW0040_20140320	12	0.012	U
MW-25S	Offsite Wells	Shallow	10/18/2022	MW-25S	9.9	0.0099	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-25S	Offsite Wells	Shallow	09/07/2023	MW-25S	9.7	0.0097	
MW-26D	Offsite Wells	Deep	03/18/2014	GW0048_20140318	**26**	**0.026**	
MW-26D	Offsite Wells	Deep	10/17/2022	MW-26D	**25.8**	**0.0258**	
MW-26D	Offsite Wells	Deep	09/14/2023	MW-26D	**18.8**	**0.0188**	
MW-26IL	Offsite Wells	Intermediate	03/12/2014	GW0047_20140312	**42**	**0.042**	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-26IL	Offsite Wells	Intermediate	10/17/2022	MW-26IL	**17.1**	**0.0171**	
MW-26IL	Offsite Wells	Intermediate	09/14/2023	MW-26IL	11.7	0.0117	
MW-26IU	Offsite Wells	Intermediate	03/18/2014	GW0046_20140318	**30**	**0.03**	
MW-26S	Offsite Wells	Shallow	03/12/2014	GW0045_20140312	**29**	**0.029**	
MW-26S	Offsite Wells	Shallow	10/17/2022	MW-26S	**17.5**	**0.0175**	
MW-26S	Offsite Wells	Shallow	09/14/2023	MW-26S	**19.1**	**0.0191**	
MW-27IU	Offsite Wells	Intermediate	03/17/2014	GW0050_20140317	12	0.012	U
MW-27IU	Offsite Wells	Intermediate	10/10/2022	MW-27IU	4.6	0.0046	
MW-27IU	Offsite Wells	Intermediate	09/08/2023	MW-27IU	6	0.006	
MW-27S	Offsite Wells	Shallow	03/17/2014	GW0049_20140317	**35**	**0.035**	
MW-27S	Offsite Wells	Shallow	10/10/2022	DUP_20221010	4.2	0.0042	
MW-27S	Offsite Wells	Shallow	10/10/2022	MW-27S	4	0.004	
MW-27S	Offsite Wells	Shallow	09/08/2023	MW-27S	5.5	0.0055	
MW-28IL	Offsite Wells	Intermediate	04/17/2014	GW0007_20140417	13	0.013	UJ
MW-28IL	Offsite Wells	Intermediate	04/17/2014	GW0008_20140417	12	0.012	UJ
MW-28IL	Offsite Wells	Intermediate	10/11/2022	MW-28IL	9.2	0.0092	
MW-28IL	Offsite Wells	Intermediate	09/08/2023	MW-28IL	10.6	0.0106	
MW-28S	Offsite Wells	Shallow	03/17/2014	GW0051_20140317	**26**	**0.026**	J
MW-28S	Offsite Wells	Shallow	10/11/2022	MW-28S	3	0.003	J
MW-28S	Offsite Wells	Shallow	09/08/2023	MW-28S	12.2	0.0122	
MW-29IU	Offsite Wells	Intermediate	03/17/2014	GW0054_20140317	11	0.011	U
MW-29IU	Offsite Wells	Intermediate	10/11/2022	MW-29IU	4.5	0.0045	
MW-29IU	Offsite Wells	Intermediate	09/08/2023	MW-29IU	4.5	0.0045	
MW-29S	Offsite Wells	Shallow	04/17/2014	GW0009_20140417	**35**	**0.035**	J
MW-29S	Offsite Wells	Shallow	10/11/2022	MW-29S	3	0.003	J
MW-29S	Offsite Wells	Shallow	09/08/2023	MW-29S	2.8	0.0028	
MW-2D	Main Plant Area	Deep	03/26/2019	MW-2D_20190326	7.82	0.00782	J
MW-30D	Offsite Wells	Deep	03/18/2014	GW0058_20140318	12	0.012	U
MW-30D	Offsite Wells	Deep	09/14/2016	GW-104	5.3	0.0053	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-30D	Offsite Wells	Deep	10/12/2022	MW-30D	9.6	0.0096	
MW-30D	Offsite Wells	Deep	09/12/2023	MW-30D	**13.6**	**0.0136**	
MW-30IL	Offsite Wells	Intermediate	03/18/2014	GW0057_20140318	12	0.012	UJ
MW-30IL	Offsite Wells	Intermediate	09/14/2016	GW-103	5.3	0.0053	
MW-30IL	Offsite Wells	Intermediate	10/12/2022	MW-30IL	4.7	0.0047	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-30IL	Offsite Wells	Intermediate	09/11/2023	MW-30IL	5.5	0.0055	
MW-30IU	Offsite Wells	Intermediate	03/18/2014	GW0056_20140318	12	0.012	UJ
MW-30IU	Offsite Wells	Intermediate	09/14/2016	GW-100	8.2	0.0082	
MW-30IU	Offsite Wells	Intermediate	09/14/2016	GW-101	7.8	0.0078	
MW-30IU	Offsite Wells	Intermediate	10/11/2022	MW-30IU	6	0.006	
MW-30IU	Offsite Wells	Intermediate	09/11/2023	MW-30IU	4	0.004	
MW-30S	Offsite Wells	Shallow	03/18/2014	GW0055_20140318	**15**	**0.015**	J
MW-30S	Offsite Wells	Shallow	09/14/2016	GW-102	13	0.013	
MW-30S	Offsite Wells	Shallow	10/11/2022	MW-30S	6.5	0.0065	
MW-30S	Offsite Wells	Shallow	09/11/2023	MW-30S	**18.5**	**0.0185**	
MW-31IU	Offsite Wells	Intermediate	03/18/2014	GW0060_20140318	11	0.011	U
MW-31IU	Offsite Wells	Intermediate	09/14/2016	GW-106	11	0.011	
MW-31IU	Offsite Wells	Intermediate	10/12/2022	MW-31IU	6.9	0.0069	
MW-31IU	Offsite Wells	Intermediate	09/08/2023	MW-31IU	9.9	0.0099	
MW-31S	Offsite Wells	Shallow	03/18/2014	GW0059_20140318	12	0.012	U
MW-31S	Offsite Wells	Shallow	09/14/2016	GW-105	11	0.011	
MW-31S	Offsite Wells	Shallow	10/12/2022	MW-31S	7.6	0.0076	
MW-31S	Offsite Wells	Shallow	09/08/2023	MW-31S	10.2	0.0102	
MW-32IU	Offsite Wells	Intermediate	03/20/2014	GW0062_20140320	**18**	**0.018**	J
MW-32IU	Offsite Wells	Intermediate	03/20/2014	GW0063_20140320	**17**	**0.017**	J
MW-32IU	Offsite Wells	Intermediate	09/20/2016	GW-138	3.4	0.0034	J
MW-32S	Offsite Wells	Shallow	03/20/2014	GW0061_20140320	13	0.013	J
MW-32S	Offsite Wells	Shallow	09/20/2016	GW-139	9.1	0.0091	
MW-32S	Offsite Wells	Shallow	10/19/2022	MW-32S	7.6	0.0076	
MW-33S	Offsite Wells	Shallow	04/17/2014	GW0010_20140417	13	0.013	U
MW-33S	Offsite Wells	Shallow	09/15/2016	GW-113	**58**	**0.058**	
MW-33S	Offsite Wells	Shallow	09/21/2020	MW-33S_092120	2.1	0.0021	U
MW-33S	Offsite Wells	Shallow	03/10/2023	MW-33S	0.94	0.00094	U
MW-33S	Offsite Wells	Shallow	06/28/2023	MW-33S	1.1	0.0011	U

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-33S	Offsite Wells	Shallow	08/18/2023	MW-33S	1.4	0.0014	J
MW-33S	Offsite Wells	Shallow	11/17/2023	MW-33S	1.6	0.0016	J
MW-34D	Offsite Wells	Deep	04/17/2014	GW0012_20140417	12	0.012	UJ
MW-34D	Offsite Wells	Deep	09/16/2016	GW-130	**22**	**0.022**	
MW-34D	Offsite Wells	Deep	09/12/2018	34D-09122018-GW	8.48	0.00848	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-34D	Offsite Wells	Deep	10/17/2022	MW-34D	12	0.012	
MW-34D	Offsite Wells	Deep	09/13/2023	MW-34D	11.7	0.0117	
MW-34IL	Offsite Wells	Intermediate	04/17/2014	GW0011_20140417	12	0.012	U
MW-34IL	Offsite Wells	Intermediate	09/16/2016	GW-129	8	0.008	
MW-34IL	Offsite Wells	Intermediate	09/12/2018	34IL-09122018-GW	3.76	0.00376	J
MW-34IL	Offsite Wells	Intermediate	10/17/2022	MW-34IL	8.9	0.0089	
MW-34IL	Offsite Wells	Intermediate	09/13/2023	MW-34IL	7.8	0.0078	
MW-35D	Offsite Wells	Deep	04/17/2014	GW0014_20140417	12	0.012	U
MW-35D	Offsite Wells	Deep	09/15/2016	GW-115	**17**	**0.017**	
MW-35D	Offsite Wells	Deep	10/12/2022	MW-35D	9.5	0.0095	
MW-35D	Offsite Wells	Deep	09/11/2023	MW-35D	10.6	0.0106	
MW-35I	Offsite Wells	Intermediate	04/17/2014	GW0013_20140417	12	0.012	UJ
MW-35I	Offsite Wells	Intermediate	09/15/2016	GW-114	5.8	0.0058	
MW-35I	Offsite Wells	Intermediate	10/12/2022	MW-35I	4.7	0.0047	
MW-35I	Offsite Wells	Intermediate	09/11/2023	MW-35I	0.45	0.00045	U
MW-36D	Offsite Wells	Deep	04/17/2014	GW0015_20140417	13	0.013	U
MW-36D	Offsite Wells	Deep	09/15/2016	GW-116	4	0.004	J
MW-36D	Offsite Wells	Deep	10/13/2022	MW-36D	5	0.005	
MW-36D	Offsite Wells	Deep	03/09/2023	MW-36D	3.3	0.0033	
MW-36D	Offsite Wells	Deep	06/29/2023	MW-36D	8.3	0.0083	U
MW-36D	Offsite Wells	Deep	08/15/2023	MW-36D	5.3	0.0053	
MW-36D	Offsite Wells	Deep	09/13/2023	MW-36D	5.9	0.0059	
MW-36D	Offsite Wells	Deep	11/15/2023	MW-36D	**68.5**	**0.0685**	
MW-37D	Offsite Wells	Deep	09/15/2016	GW-118	8.8	0.0088	
MW-37D	Offsite Wells	Deep	10/13/2022	MW-37D	**20.8**	**0.0208**	
MW-37D	Offsite Wells	Deep	09/12/2023	MW-37D	**16.2**	**0.0162**	
MW-37S	Offsite Wells	Shallow	09/15/2016	GW-117	2.8	0.0028	J
MW-37S	Offsite Wells	Shallow	10/13/2022	MW-37S	2.4	0.0024	J
MW-37S	Offsite Wells	Shallow	09/12/2023	MW-37S	1.3	0.0013	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-38D	Offsite Wells	Deep	09/16/2016	GW-131	5.9	0.0059	
MW-38D	Offsite Wells	Deep	09/21/2020	MW-38D_092120	5.1	0.0051	
MW-38D	Offsite Wells	Deep	10/13/2022	MW-38D	7	0.007	
MW-38D	Offsite Wells	Deep	09/12/2023	MW-38D	7.7	0.0077	
MW-39D	Offsite Wells	Deep	09/16/2016	GW-142	**20**	**0.02**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-39D	Offsite Wells	Deep	09/24/2020	MW-39D_092420	**20**	**0.02**	
MW-39D	Offsite Wells	Deep	10/14/2022	MW-39D	**19.8**	**0.0198**	
MW-39D	Offsite Wells	Deep	09/13/2023	MW-39D	**21.9**	**0.0219**	
MW-39I	Offsite Wells	Intermediate	09/19/2016	GW-140	7.9	0.0079	
MW-39I	Offsite Wells	Intermediate	09/24/2020	MW-39I_092420	**24**	**0.024**	
MW-39I	Offsite Wells	Intermediate	10/14/2022	MW-39I	**22.5**	**0.0225**	
MW-39I	Offsite Wells	Intermediate	09/13/2023	MW-39I	**19.5**	**0.0195**	
MW-39S	Offsite Wells	Shallow	09/19/2016	GW-141	**41**	**0.041**	
MW-39S	Offsite Wells	Shallow	09/24/2020	MW-39S_092420	4.7	0.0047	
MW-39S	Offsite Wells	Shallow	10/14/2022	MW-39S	4.9	0.0049	
MW-39S	Offsite Wells	Shallow	09/13/2023	MW-39S	4.4	0.0044	
MW-3D	Main Plant Area	Deep	03/12/2014	GW0018_20140312	**14**	**0.014**	J
MW-3D	Main Plant Area	Deep	03/26/2019	MW-3D_20190326	**23.6**	**0.0236**	
MW-4	Main Plant Area	Shallow	09/19/2016	GW-145	**25**	**0.025**	
MW-4	Main Plant Area	Shallow	03/27/2019	MW-4_20190327	5.21	0.00521	J
MW-40I	Offsite Wells	Intermediate	09/20/2016	GW-159	**48**	**0.048**	
MW-40I	Offsite Wells	Intermediate	09/20/2016	GW-158	**45**	**0.045**	
MW-40I	Offsite Wells	Intermediate	03/27/2019	MW-40I_20190327	**30.5**	**0.0305**	
MW-40I	Offsite Wells	Intermediate	09/25/2020	MW-40I_092520	**29.9**	**0.0299**	
MW-40I	Offsite Wells	Intermediate	11/02/2022	MW-40I	**23.6**	**0.0236**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	DUP_031323	**23.5**	**0.0235**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	MW-40I	**22.7**	**0.0227**	
MW-40I	Offsite Wells	Intermediate	06/27/2023	MW-40I	**27.8**	**0.0278**	
MW-40I	Offsite Wells	Intermediate	08/18/2023	MW-40I	**20.6**	**0.0206**	
MW-40I	Offsite Wells	Intermediate	11/27/2023	MW-40I	**22.3**	**0.0223**	
MW-40S	Offsite Wells	Shallow	09/22/2016	GW-161D	**30**	**0.03**	
MW-40S	Offsite Wells	Shallow	09/22/2016	GW-161	**26**	**0.026**	
MW-40S	Offsite Wells	Shallow	03/22/2019	MW-40S_20190322	**20.4**	**0.0204**	
MW-40S	Offsite Wells	Shallow	09/25/2020	MW-40S_092520	12.2	0.0122	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-40S	Offsite Wells	Shallow	11/02/2022	MW-40S	11.2	0.0112	
MW-40S	Offsite Wells	Shallow	03/13/2023	MW-40S	10.8	0.0108	
MW-40S	Offsite Wells	Shallow	06/27/2023	MW-40S	11.4	0.0114	
MW-40S	Offsite Wells	Shallow	08/18/2023	MW-40S	7.9	0.0079	
MW-40S	Offsite Wells	Shallow	09/14/2023	MW-40S	8.3	0.0083	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-40S	Offsite Wells	Shallow	11/27/2023	DUP_112723	11	0.011	
MW-40S	Offsite Wells	Shallow	11/27/2023	MW-40S	8.8	0.0088	
MW-41D	Offsite Wells	Deep	09/16/2016	GW-132	**31**	**0.031**	
MW-41D	Offsite Wells	Deep	09/22/2020	MW-41D_092220	**32.8**	**0.0328**	
MW-41D	Offsite Wells	Deep	10/13/2022	MW-41D	**36.5**	**0.0365**	
MW-41D	Offsite Wells	Deep	09/12/2023	MW-41D	**32.4**	**0.0324**	
MW-41D	Offsite Wells	Deep	09/12/2023	DUP_091223	**40.2**	**0.0402**	
MW-42D	Offsite Wells	Deep	09/16/2016	GW-133	13	0.013	
MW-42D	Offsite Wells	Deep	09/22/2020	MW-42D_092220	11.6	0.0116	
MW-42D	Offsite Wells	Deep	10/13/2022	MW-42D	12.5	0.0125	
MW-42D	Offsite Wells	Deep	03/09/2023	MW-42D	10.3	0.0103	
MW-42D	Offsite Wells	Deep	06/29/2023	MW-42D	12.1	0.0121	
MW-42D	Offsite Wells	Deep	08/17/2023	MW-42D	**15.1**	**0.0151**	
MW-42D	Offsite Wells	Deep	09/12/2023	MW-42D	**14.8**	**0.0148**	
MW-42D	Offsite Wells	Deep	11/17/2023	MW-42D	**15.1**	**0.0151**	
MW-43D	Offsite Wells	Deep	09/19/2016	GW-143	**28**	**0.028**	
MW-43D	Offsite Wells	Deep	09/24/2020	MW-43D_092420	**28.8**	**0.0288**	
MW-43D	Offsite Wells	Deep	10/14/2022	MW-43D	**33.6**	**0.0336**	
MW-43D	Offsite Wells	Deep	09/14/2023	MW-43D	10.3	0.0103	
MW-43D	Offsite Wells	Deep	09/14/2023	DUP_091423	**89.4**	**0.0894**	
MW-43I	Offsite Wells	Intermediate	09/19/2016	GW-144	**46**	**0.046**	
MW-43I	Offsite Wells	Intermediate	09/24/2020	MW-43I_092420	**34.9**	**0.0349**	
MW-43I	Offsite Wells	Intermediate	10/14/2022	MW-43I	**38.1**	**0.0381**	
MW-43I	Offsite Wells	Intermediate	09/14/2023	MW-43I	**32.4**	**0.0324**	
MW-44D	Offsite Wells	Deep	09/16/2016	GW-162	2.7	0.0027	J
MW-44D	Offsite Wells	Deep	09/22/2020	MW-44D_092220	3.5	0.0035	J
MW-44D	Offsite Wells	Deep	10/14/2022	DUP_2022.10.14	2.6	0.0026	J
MW-44D	Offsite Wells	Deep	10/14/2022	MW-44D	2.3	0.0023	J
MW-5D	Main Plant Area	Intermediate	03/11/2014	GW0019_20140311	**20**	**0.02**	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-5D	Main Plant Area	Intermediate	03/22/2019	MW-5D_20190322FD	**37.5**	**0.0375**	
MW-5D	Main Plant Area	Intermediate	03/22/2019	MW-5D_20190322	**34.9**	**0.0349**	
MW-5DD	Main Plant Area	Deep	03/11/2014	GW0020_20140311	**51**	**0.051**	J
MW-5DD	Main Plant Area	Deep	03/11/2014	GW0021_20140311	**32**	**0.032**	
MW-5DD	Main Plant Area	Deep	03/22/2019	MW-5DD_20190322	**27.6**	**0.0276**	
MW-5I	Main Plant Area	Intermediate	03/11/2014	GW0022_20140311	**24**	**0.024**	J
MW-5I	Main Plant Area	Intermediate	03/22/2019	MW-5I_20190322	**31.7**	**0.0317**	
MW-5I	Main Plant Area	Intermediate	10/20/2022	MW-5I	**25.8**	**0.0258**	
MW-5I	Main Plant Area	Intermediate	03/13/2023	MW-5I	**23.1**	**0.0231**	
MW-5I	Main Plant Area	Intermediate	06/29/2023	MW-5I	**21.1**	**0.0211**	
MW-5I	Main Plant Area	Intermediate	08/18/2023	MW-5I	**19.8**	**0.0198**	
MW-5I	Main Plant Area	Intermediate	11/17/2023	MW-5I	**19.6**	**0.0196**	
MW-5X	Main Plant Area	Middle PRM	03/12/2014	GW0023_20140312	12	0.012	U
MW-5X	Main Plant Area	Middle PRM	09/19/2016	GW-146	1.5	0.0015	J
MW-5X	Main Plant Area	Middle PRM	09/30/2019	MW5X-093019	2.57	0.00257	J
MW-5X	Main Plant Area	Middle PRM	09/30/2019	DUP-093019	2.23	0.00223	J
MW-5X	Main Plant Area	Middle PRM	04/04/2023	MW-5X	0.93	0.00093	U
MW-5X	Main Plant Area	Middle PRM	08/09/2023	MW-5X	1.1	0.0011	J
MW-5X	Main Plant Area	Middle PRM	11/27/2023	MW-5X	0.42	0.00042	U
MW-6I	Main Plant Area	Intermediate	03/12/2014	GW0024_20140312	13	0.013	UJ
MW-6I	Main Plant Area	Intermediate	03/21/2019	MW-6I_20190321	7.69	0.00769	J
MW-6I	Main Plant Area	Intermediate	11/01/2022	MW-6I	7.7	0.0077	
MW-6I	Main Plant Area	Intermediate	11/01/2022	DUP_2022.11.01	7.2	0.0072	
MW-6I	Main Plant Area	Intermediate	03/13/2023	MW-6I	5.1	0.0051	
MW-6I	Main Plant Area	Intermediate	06/26/2023	MW-6I	5.9	0.0059	
MW-6I	Main Plant Area	Intermediate	08/22/2023	P-6I	6.5	0.0065	
MW-6I	Main Plant Area	Intermediate	11/27/2023	MW-6I	6.3	0.0063	
MW-6S	Main Plant Area	Shallow	03/12/2014	GW0025_20140312	12	0.012	U
P-2S	Main Plant Area	Shallow	03/13/2014	GW0026_20140313	**14**	**0.014**	J

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
P-2S	Main Plant Area	Shallow	03/28/2019	P-2S_20190328	**20.5**	**0.0205**	
P-2S	Main Plant Area	Shallow	10/01/2020	P-2S_100120	**33.5**	**0.0335**	
P-2S	Main Plant Area	Shallow	11/02/2022	P-2S	**18.7**	**0.0187**	
P-2S	Main Plant Area	Shallow	11/02/2022	DUP_2022.11.02	**15.3**	**0.0153**	
P-2S	Main Plant Area	Shallow	03/09/2023	P-2S	**13.4**	**0.0134**	
P-2S	Main Plant Area	Shallow	06/28/2023	P-2S	**15.1**	**0.0151**	
P-2S	Main Plant Area	Shallow	08/22/2023	P-2S	**16.9**	**0.0169**	
P-2S	Main Plant Area	Shallow	11/29/2023	P-2S	**15.1**	**0.0151**	
P-3D	Dredge Spoil Area	Lower PRM	04/18/2014	GW0004_20140418	13	0.013	U
P-3D	Dredge Spoil Area	Lower PRM	10/01/2020	P-3D_100120	2.9	0.0029	J
P-3D	Dredge Spoil Area	Lower PRM	09/20/2022	P-3D	2	0.002	U
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	DUP_031023	1.2	0.0012	J
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	P-3D	1.1	0.0011	J
P-3D	Dredge Spoil Area	Lower PRM	08/08/2023	P-3D	3.9	0.0039	
P-3D	Dredge Spoil Area	Lower PRM	11/28/2023	P-3D	2.5	0.0025	
P-3I	Dredge Spoil Area	Middle PRM	04/18/2014	GW0005_20140418	13	0.013	U
P-3I	Dredge Spoil Area	Middle PRM	10/01/2020	P-3I_100120	8	0.008	
P-3I	Dredge Spoil Area	Middle PRM	09/20/2022	P-3I	12.1	0.0121	
P-3I	Dredge Spoil Area	Middle PRM	03/10/2023	P-3I	7.8	0.0078	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	DUP_080823	10	0.01	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	P-3I	11.1	0.0111	
P-3I	Dredge Spoil Area	Middle PRM	11/28/2023	P-3I	8.6	0.0086	
P-3S	Dredge Spoil Area	Shallow	04/18/2014	GW0006_20140418	**52**	**0.052**	
P-3S	Dredge Spoil Area	Shallow	10/01/2020	P-3S_100120	**34.2**	**0.0342**	
P-3S	Dredge Spoil Area	Shallow	03/10/2023	P-3S	**18.8**	**0.0188**	
P-3S	Dredge Spoil Area	Shallow	06/28/2023	P-3S	**18.4**	**0.0184**	
P-3S	Dredge Spoil Area	Shallow	08/21/2023	P-3S	**29.1**	**0.0291**	
P-3S	Dredge Spoil Area	Shallow	11/28/2023	P-3S	**24.8**	**0.0248**	
P-5S	Main Plant Area	Shallow	03/13/2014	GW0027_20140313	12	0.012	UJ

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
P-5S	Main Plant Area	Shallow	03/26/2019	P-5S_20190326	8	0.008	U
P-6S	Main Plant Area	Shallow	03/14/2014	GW0028_20140314	13	0.013	UJ
P-6S	Main Plant Area	Shallow	03/28/2019	P-6S_20190328	8	0.008	U
P-6S	Main Plant Area	Shallow	11/02/2022	P-6S	2.8	0.0028	J
P-6S	Main Plant Area	Shallow	06/26/2023	P-6S	5.2	0.0052	
P-6S	Main Plant Area	Shallow	08/23/2023	P-6S	3.3	0.0033	
P-6S	Main Plant Area	Shallow	09/14/2023	P-6S	5.3	0.0053	
P-6S	Main Plant Area	Shallow	11/29/2023	P-6S	6.6	0.0066	
P-7S	Main Plant Area	Shallow	03/27/2019	P-7S_20190327	4.73	0.00473	J
PW-1	Main Plant Area	Intermediate	09/30/2019	PW-093019	2.11	0.00211	J
PW-1	Main Plant Area	Intermediate	10/28/2019	PW-10282019	3.7	0.0037	U
PZ-5	Dredge Spoil Area	Shallow	04/18/2014	GW0002_20140418	**20**	**0.02**	J
PZ-5	Dredge Spoil Area	Shallow	04/18/2014	GW0001_20140418	**16**	**0.016**	J
PZ-5	Dredge Spoil Area	Shallow	10/01/2020	PZ-5_100120	**19.2**	**0.0192**	
PZ-5	Dredge Spoil Area	Shallow	09/20/2022	PZ-5	**19.2**	**0.0192**	J
PZ-5	Dredge Spoil Area	Shallow	03/10/2023	PZ-5	4.4	0.0044	
PZ-5	Dredge Spoil Area	Shallow	06/28/2023	PZ-5	11.3	0.0113	
PZ-5	Dredge Spoil Area	Shallow	08/22/2023	PZ-5	10.8	0.0108	
PZ-5	Dredge Spoil Area	Shallow	11/28/2023	PZ-5	9.6	0.0096	
PZ-6	Dredge Spoil Area	Shallow	04/18/2014	GW0003_20140418	**54**	**0.054**	
PZ-6	Dredge Spoil Area	Shallow	11/03/2022	PZ-6	**47.1**	**0.0471**	
PZ-6	Dredge Spoil Area	Shallow	03/10/2023	PZ-6	**55.3**	**0.0553**	
PZ-6	Dredge Spoil Area	Shallow	06/29/2023	PZ-6	**55.3**	**0.0553**	
PZ-6	Dredge Spoil Area	Shallow	08/21/2023	PZ-6	**36.6**	**0.0366**	
PZ-6	Dredge Spoil Area	Shallow	11/29/2023	PZ-6	**81**	**0.081**	
PZ-8	Dredge Spoil Area	Shallow	09/21/2016	GW-152	**22**	**0.022**	
PZ-8	Dredge Spoil Area	Shallow	10/19/2022	PZ-8	8.2	0.0082	
PZ-8	Dredge Spoil Area	Shallow	08/21/2023	PZ-8	**13.3**	**0.0133**	
PZ-8	Dredge Spoil Area	Shallow	09/14/2023	PZ-8	**14.5**	**0.0145**	

Table 4. Perfluorooctanesulfonic Acid Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
PZ-8	Dredge Spoil Area	Shallow	11/29/2023	PZ-8	6.7	0.0067	

Notes:

Bold sample result indicates value exceeds NJDEP GWQS (13 ng/L, 0.013 µg/L).

NJDEP GWQS = New Jersey Department of Environmental Protection Groundwater Quality Standard
ng/L = Nanograms per liter (or parts per trillion, ppt)
µg/L = Micrograms per liter (or parts per billion, ppb)
PRM = Potomac Raritan Magothy

Data Qualifiers:

J = estimated value
U = analyte not detected; the value reported is the method detection limit

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
M/H-2D	Main Plant Area	Intermediate	11/17/2021	M/H-2D	**671000**	**671**	
M/H-2D	Main Plant Area	Intermediate	11/17/2021	M/H-2D-SD1	**741000**	**741**	
M/H-2D	Main Plant Area	Intermediate	11/17/2021	M/H-2D-SD2	**591000**	**591**	
M/H-2D	Main Plant Area	Intermediate	11/17/2021	M/H-2D-SD3	**601000**	**601**	
M/H-2D	Main Plant Area	Intermediate	11/17/2021	M/H-2D-SD4	**581000**	**581**	
M/H-2D	Main Plant Area	Intermediate	11/17/2021	M/H-2D-SD5	**610000**	**610**	
M/H-2D	Main Plant Area	Intermediate	10/20/2022	M/H-2D	**323000**	**323**	J
M/H-2D	Main Plant Area	Intermediate	03/09/2023	M/H-2D	**89000**	**89**	J
M/H-2D	Main Plant Area	Intermediate	06/27/2023	M/H-2D	**113000**	**113**	J
M/H-2D	Main Plant Area	Intermediate	08/22/2023	M/H-2D	**87600**	**87.6**	J
M/H-2D	Main Plant Area	Intermediate	09/13/2023	M/H-2D	**113000**	**113**	J
M/H-2D	Main Plant Area	Intermediate	11/27/2023	M/H-2D	**78800**	**78.8**	J
M/H-4	Main Plant Area	Shallow	02/28/2022	M/H-4	**3610**	**3.61**	
MW-1	Main Plant Area	Shallow	03/01/2022	MW-1	**2400**	**2.4**	J
MW-101D	Offsite Wells	Deep	05/10/2022	MW-101D	**66.5**	**0.0665**	
MW-101D	Offsite Wells	Deep	07/08/2022	MW-101D	**26.8**	**0.0268**	
MW-101D	Offsite Wells	Deep	06/23/2023	MW-101D	0	0	U
MW-101D	Offsite Wells	Deep	08/17/2023	MW-101D	0	0	U
MW-101D	Offsite Wells	Deep	11/15/2023	MW-101D	0	0	U
MW-101S	Offsite Wells	Shallow	05/10/2022	MW-101S	**28.3**	**0.0283**	
MW-101S	Offsite Wells	Shallow	07/08/2022	MW-101S	**16**	**0.016**	
MW-101S	Offsite Wells	Shallow	06/23/2023	MW-101S	**51**	**0.051**	
MW-101S	Offsite Wells	Shallow	08/17/2023	MW-101S	**56**	**0.056**	
MW-101S	Offsite Wells	Shallow	11/15/2023	MW-101S	**68**	**0.068**	
MW-102D	Offsite Wells	Deep	07/07/2022	MW-102D	**34.1**	**0.0341**	J
MW-102D	Offsite Wells	Deep	09/13/2022	MW-102D	**15.2**	**0.0152**	
MW-102D	Offsite Wells	Deep	03/07/2023	MW-102D	**13.2**	**0.0132**	J
MW-102D	Offsite Wells	Deep	06/22/2023	MW-102D	**49**	**0.049**	J
MW-102D	Offsite Wells	Deep	08/15/2023	MW-102D	**8.6**	**0.0086**	J
MW-102D	Offsite Wells	Deep	11/14/2023	MW-102D	**10.1**	**0.0101**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-102S	Offsite Wells	Shallow	07/07/2022	MW-102S	**4.3**	**0.0043**	
MW-102S	Offsite Wells	Shallow	09/13/2022	MW-102S	**3.7**	**0.0037**	
MW-102S	Offsite Wells	Shallow	03/07/2023	MW-102S	**4.7**	**0.0047**	UJ
MW-102S	Offsite Wells	Shallow	06/22/2023	MW-102S	**4.6**	**0.0046**	
MW-102S	Offsite Wells	Shallow	08/15/2023	MW-102S	**5.9**	**0.0059**	
MW-102S	Offsite Wells	Shallow	11/14/2023	MW-102S	**8.4**	**0.0084**	
MW-102X	Offsite Wells	Middle PRM	04/06/2023	MW-102X	1	0.001	
MW-102X	Offsite Wells	Middle PRM	08/09/2023	MW-102X	0.45	0.00045	J
MW-102X	Offsite Wells	Middle PRM	11/16/2023	MW-102X	1.77	0.00177	J
MW-103D	Offsite Wells	Deep	07/07/2022	MW-103D	**11.6**	**0.0116**	J
MW-103D	Offsite Wells	Deep	09/14/2022	MW-103D	**6.24**	**0.00624**	J
MW-103D	Offsite Wells	Deep	03/14/2023	MW-103D	**10.8**	**0.0108**	J
MW-103D	Offsite Wells	Deep	06/23/2023	MW-103D	**19.1**	**0.0191**	
MW-103D	Offsite Wells	Deep	08/14/2023	MW-103D	**17.5**	**0.0175**	J
MW-103D	Offsite Wells	Deep	11/13/2023	MW-103D	**5.91**	**0.00591**	J
MW-103S	Offsite Wells	Shallow	07/06/2022	MW-103S	**23.7**	**0.0237**	
MW-103S	Offsite Wells	Shallow	09/14/2022	MW-103S	**14**	**0.014**	
MW-103S	Offsite Wells	Shallow	03/14/2023	MW-103S	**43.3**	**0.0433**	J
MW-103S	Offsite Wells	Shallow	06/23/2023	DUP_062323	**60.1**	**0.0601**	J
MW-103S	Offsite Wells	Shallow	06/23/2023	MW-103S	**55.6**	**0.0556**	
MW-103S	Offsite Wells	Shallow	08/14/2023	MW-103S	**98**	**0.098**	J
MW-103S	Offsite Wells	Shallow	11/13/2023	MW-103S	**75.3**	**0.0753**	
MW-104D	Offsite Wells	Deep	09/13/2022	MW-104D	**31.2**	**0.0312**	J
MW-104D	Offsite Wells	Deep	11/08/2022	MW-104D	**8.94**	**0.00894**	J
MW-104D	Offsite Wells	Deep	03/08/2023	MW-104D	**4.76**	**0.00476**	UJ
MW-104D	Offsite Wells	Deep	06/20/2023	MW-104D	**42.4**	**0.0424**	
MW-104D	Offsite Wells	Deep	08/15/2023	MW-104D	0.9	0.0009	
MW-104D	Offsite Wells	Deep	11/13/2023	MW-104D	**14.1**	**0.0141**	
MW-104S	Offsite Wells	Shallow	09/13/2022	MW-104S	**9.6**	**0.0096**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-104S	Offsite Wells	Shallow	11/08/2022	MW-104S	**9.1**	**0.0091**	
MW-104S	Offsite Wells	Shallow	03/08/2023	MW-104S	0.96	0.00096	J
MW-104S	Offsite Wells	Shallow	06/20/2023	MW-104S	**14.7**	**0.0147**	J
MW-104S	Offsite Wells	Shallow	08/15/2023	MW-104S	0	0	U
MW-104S	Offsite Wells	Shallow	11/13/2023	MW-104S	1.81	0.00181	J
MW-105D	Offsite Wells	Deep	09/12/2022	MW-105D	1.2	0.0012	J
MW-105D	Offsite Wells	Deep	03/07/2023	MW-105D	0	0	UJ
MW-105D	Offsite Wells	Deep	06/19/2023	MW-105D	0	0	U
MW-105D	Offsite Wells	Deep	08/14/2023	MW-105D	0	0	U
MW-105D	Offsite Wells	Deep	11/13/2023	MW-105D	0	0	U
MW-105S	Offsite Wells	Shallow	09/12/2022	MW-105S	0	0	U
MW-105S	Offsite Wells	Shallow	03/07/2023	MW-105S	0	0	UJ
MW-105S	Offsite Wells	Shallow	06/19/2023	MW-105S	0.94	0.00094	
MW-105S	Offsite Wells	Shallow	08/14/2023	MW-105S	0	0	U
MW-105S	Offsite Wells	Shallow	11/13/2023	MW-105S	0	0	U
MW-106D	Offsite Wells	Deep	05/11/2022	MW106D	**121**	**0.121**	J
MW-106D	Offsite Wells	Deep	07/07/2022	MW-106D	**23.6**	**0.0236**	
MW-106D	Offsite Wells	Deep	09/16/2022	MW-106D	**2.9**	**0.0029**	
MW-106D	Offsite Wells	Deep	11/09/2022	MW-106D	1.16	0.00116	J
MW-106D	Offsite Wells	Deep	03/14/2023	MW-106D	**8.86**	**0.00886**	J
MW-106D	Offsite Wells	Deep	06/20/2023	MW-106D	0	0	U
MW-106D	Offsite Wells	Deep	08/15/2023	MW-106D	**2.03**	**0.00203**	J
MW-106D	Offsite Wells	Deep	11/14/2023	MW-106D	**50.7**	**0.0507**	
MW-106S	Offsite Wells	Shallow	05/11/2022	MW-106S	0.75	0.00075	J
MW-106S	Offsite Wells	Shallow	07/07/2022	MW-106S	**3.75**	**0.00375**	J
MW-106S	Offsite Wells	Shallow	09/16/2022	MW-106S	0	0	U
MW-106S	Offsite Wells	Shallow	11/09/2022	MW-106S	0	0	U
MW-106S	Offsite Wells	Shallow	03/14/2023	MW-106S	0	0	UJ
MW-106S	Offsite Wells	Shallow	06/20/2023	MW-106S	2	0.002	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-106S	Offsite Wells	Shallow	08/15/2023	MW-106S	0	0	U
MW-106S	Offsite Wells	Shallow	11/14/2023	MW-106S	**2.29**	**0.00229**	J
MW-107D	Offsite Wells	Deep	07/08/2022	MW-107D	**3.86**	**0.00386**	J
MW-107D	Offsite Wells	Deep	09/19/2022	MW-107D	**2.35**	**0.00235**	J
MW-107D	Offsite Wells	Deep	03/06/2023	MW-107D	**4.1**	**0.0041**	UJ
MW-107D	Offsite Wells	Deep	06/20/2023	MW-107D	**2.8**	**0.0028**	
MW-107D	Offsite Wells	Deep	08/15/2023	MW-107D	1.8	0.0018	
MW-107D	Offsite Wells	Deep	11/14/2023	MW-107D	**3.9**	**0.0039**	
MW-107S	Offsite Wells	Shallow	07/08/2022	MW-107S	1.2	0.0012	
MW-107S	Offsite Wells	Shallow	09/19/2022	MW-107S	0	0	U
MW-107S	Offsite Wells	Shallow	03/06/2023	MW-107S	0	0	UJ
MW-107S	Offsite Wells	Shallow	06/20/2023	MW-107S	0.85	0.00085	J
MW-107S	Offsite Wells	Shallow	08/15/2023	MW-107S	0	0	U
MW-107S	Offsite Wells	Shallow	11/14/2023	MW-107A	0	0	UR
MW-107S	Offsite Wells	Shallow	11/14/2023	DUP_111423	0	0	UR
MW-108D	Offsite Wells	Middle PRM	09/12/2022	MW-108D	**156**	**0.156**	
MW-108D	Offsite Wells	Middle PRM	11/07/2022	MW-108D	**168**	**0.168**	
MW-108D	Offsite Wells	Middle PRM	06/19/2023	MW-108D	**78**	**0.078**	J
MW-108D	Offsite Wells	Middle PRM	08/14/2023	MW-108D	**166**	**0.166**	
MW-108D	Offsite Wells	Middle PRM	11/16/2023	MW-108D	**284**	**0.284**	
MW-108S	Offsite Wells	Shallow	09/12/2022	MW-108S	**47.1**	**0.0471**	
MW-108S	Offsite Wells	Shallow	11/07/2022	MW-108S	**19**	**0.019**	J
MW-108S	Offsite Wells	Shallow	06/19/2023	MW-108S	**25.4**	**0.0254**	J
MW-108S	Offsite Wells	Shallow	08/14/2023	MW-108S	**4.6**	**0.0046**	
MW-108S	Offsite Wells	Shallow	11/16/2023	MW-108S	**33.8**	**0.0338**	J
MW-109D	Offsite Wells	Deep	05/10/2022	MW-109D	1.6	0.0016	
MW-109D	Offsite Wells	Deep	07/08/2022	MW-109D	0	0	U
MW-109D	Offsite Wells	Deep	09/15/2022	MW-109D	0	0	U
MW-109D	Offsite Wells	Deep	03/11/2023	MW-109D	**2.96**	**0.00296**	J

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-109D	Offsite Wells	Deep	06/27/2023	MW-109D	0	0	U
MW-109D	Offsite Wells	Deep	08/16/2023	MW-109D	0	0	U
MW-109D	Offsite Wells	Deep	08/16/2023	DUP_081623	0	0	U
MW-109S	Offsite Wells	Shallow	05/10/2022	MW-109S	**660**	**0.66**	
MW-109S	Offsite Wells	Shallow	07/08/2022	MW-109S	**731**	**0.731**	J
MW-109S	Offsite Wells	Shallow	09/15/2022	MW-109S	**1010**	**1.01**	
MW-109S	Offsite Wells	Shallow	03/11/2023	MW-109S	**1310**	**1.31**	J
MW-109S	Offsite Wells	Shallow	06/27/2023	MW-109S	**1820**	**1.82**	J
MW-109S	Offsite Wells	Shallow	08/16/2023	MW-109S	**1420**	**1.42**	
MW-10I	Main Plant Area	Intermediate	11/01/2022	MW-10I	**137000**	**137**	J
MW-10I	Main Plant Area	Intermediate	03/13/2023	MW-10I	**74700**	**74.7**	J
MW-10I	Main Plant Area	Intermediate	06/26/2023	MW-10I	**107000**	**107**	J
MW-10I	Main Plant Area	Intermediate	08/22/2023	MW-10I	**123000**	**123**	J
MW-10I	Main Plant Area	Intermediate	09/13/2023	MW-10I	**113000**	**113**	J
MW-10I	Main Plant Area	Intermediate	11/27/2023	MW-10I	**94700**	**94.7**	J
MW-10X	Main Plant Area	Middle PRM	04/04/2023	MW-10X	0.44	0.00044	UJ
MW-10X	Main Plant Area	Middle PRM	08/09/2023	MW-10X	0	0	U
MW-10X	Main Plant Area	Middle PRM	11/27/2023	MW-10X	**29.4**	**0.0294**	J
MW-110D	Offsite Wells	Deep	05/09/2022	MW-110D	**15**	**0.015**	
MW-110D	Offsite Wells	Deep	07/11/2022	MW-110D	**14**	**0.014**	
MW-110D	Offsite Wells	Deep	09/13/2022	MW-110D	**15**	**0.015**	
MW-110D	Offsite Wells	Deep	08/16/2023	MW-110D	**43**	**0.043**	
MW-110S	Offsite Wells	Shallow	05/09/2022	MW-110S	**89**	**0.089**	
MW-110S	Offsite Wells	Shallow	07/11/2022	MW-110S	**84**	**0.084**	
MW-110S	Offsite Wells	Shallow	09/13/2022	MW-110S	**97**	**0.097**	
MW-110S	Offsite Wells	Shallow	08/16/2023	MW-110S	**180**	**0.18**	
MW-111D	Offsite Wells	Deep	05/12/2022	MW-111D	**242**	**0.242**	
MW-111D	Offsite Wells	Deep	07/11/2022	MW-111D	**242**	**0.242**	
MW-111D	Offsite Wells	Deep	09/13/2022	MW-111D	**312**	**0.312**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-111D	Offsite Wells	Deep	03/11/2023	MW-111D	**383**	**0.383**	UJ
MW-111D	Offsite Wells	Deep	06/27/2023	MW-111D	**383**	**0.383**	
MW-111D	Offsite Wells	Deep	08/16/2023	MW-111D	**432**	**0.432**	
MW-111D	Offsite Wells	Deep	11/17/2023	MW-111D	**493**	**0.493**	
MW-111S	Offsite Wells	Shallow	05/12/2022	MW-111S	**1140**	**1.14**	
MW-111S	Offsite Wells	Shallow	07/11/2022	MW-111S	**1140**	**1.14**	
MW-111S	Offsite Wells	Shallow	09/13/2022	MW-111S	**1040**	**1.04**	
MW-111S	Offsite Wells	Shallow	03/11/2023	MW-111S	**788**	**0.788**	J
MW-111S	Offsite Wells	Shallow	06/27/2023	DUP_062723	**1010**	**1.01**	J
MW-111S	Offsite Wells	Shallow	06/27/2023	MW-111S	**915**	**0.9148**	
MW-111S	Offsite Wells	Shallow	08/16/2023	MW-111S	**1310**	**1.31**	J
MW-111S	Offsite Wells	Shallow	11/17/2023	MW-111S	**1210**	**1.21**	J
MW-112D	Offsite Wells	Deep	05/09/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	07/06/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	09/14/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	11/08/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	03/07/2023	MW-112D	0	0	UJ
MW-112D	Offsite Wells	Deep	06/21/2023	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	08/15/2023	MW-112D	**2.37**	**0.00237**	J
MW-112D	Offsite Wells	Deep	11/14/2023	MW-112D	0	0	U
MW-112S	Offsite Wells	Shallow	05/09/2022	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	07/06/2022	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	09/14/2022	MW-112S	0.19	0.00019	J
MW-112S	Offsite Wells	Shallow	11/08/2022	MW-112S	0.27	0.00027	J
MW-112S	Offsite Wells	Shallow	03/07/2023	MW-112S	**5.42**	**0.00542**	J
MW-112S	Offsite Wells	Shallow	06/21/2023	MW-112S	**19.4**	**0.0194**	J
MW-112S	Offsite Wells	Shallow	08/15/2023	MW-112S	1.1	0.0011	
MW-112S	Offsite Wells	Shallow	11/14/2023	MW-112S	**7.66**	**0.00766**	J
MW-113D	Offsite Wells	Deep	07/07/2022	MW-113D	0	0	U

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-113D	Offsite Wells	Deep	09/14/2022	MW-113D	0	0	U
MW-113D	Offsite Wells	Deep	03/07/2023	MW-113D	0	0	UJ
MW-113D	Offsite Wells	Deep	06/21/2023	MW-113D	**5.43**	**0.00543**	J
MW-113D	Offsite Wells	Deep	08/15/2023	MW-113D	**35.7**	**0.0357**	J
MW-113D	Offsite Wells	Deep	11/14/2023	MW-113D	0.57	0.00057	J
MW-113S	Offsite Wells	Shallow	07/07/2022	MW-113S	0.91	0.00091	J
MW-113S	Offsite Wells	Shallow	09/14/2022	MW-113S	0.79	0.00079	J
MW-113S	Offsite Wells	Shallow	03/07/2023	MW-113S	0	0	UJ
MW-113S	Offsite Wells	Shallow	06/21/2023	MW-113S	2	0.002	
MW-113S	Offsite Wells	Shallow	08/15/2023	MW-113S	**33.9**	**0.0339**	J
MW-113S	Offsite Wells	Shallow	11/14/2023	MW-113S	**5.3**	**0.0053**	
MW-114D	Offsite Wells	Deep	09/13/2022	MW-114D	**2.44**	**0.00244**	J
MW-114D	Offsite Wells	Deep	03/07/2023	MW-114D	0	0	UJ
MW-114D	Offsite Wells	Deep	06/20/2023	MW-114D	0.66	0.00066	J
MW-114D	Offsite Wells	Deep	08/14/2023	MW-114D	0	0	U
MW-114D	Offsite Wells	Deep	11/14/2023	MW-114D	0.68	0.00068	J
MW-114S	Offsite Wells	Shallow	09/13/2022	MW-114S	0.23	0.00023	J
MW-114S	Offsite Wells	Shallow	03/07/2023	MW-114S	**24**	**0.024**	J
MW-114S	Offsite Wells	Shallow	06/20/2023	MW-114S	0	0	U
MW-114S	Offsite Wells	Shallow	08/14/2023	MW-114S	0	0	U
MW-114S	Offsite Wells	Shallow	11/14/2023	MW-114S	0	0	U
MW-114X	Offsite Wells	Lower PRM	03/28/2023	MW-114X	**7.48**	**0.00748**	UJ
MW-114X	Offsite Wells	Lower PRM	08/08/2023	MW-114X	**15.6**	**0.0156**	J
MW-115X	Offsite Wells	Middle PRM	04/06/2023	MW-115X	0.27	0.00027	J
MW-115X	Offsite Wells	Middle PRM	08/08/2023	MW-115X	0	0	U
MW-115X	Offsite Wells	Middle PRM	11/27/2023	MW-115X	**2.87**	**0.00287**	J
MW-116D	Offsite Wells	Deep	09/13/2022	MW-116D	**6.34**	**0.00634**	J
MW-116D	Offsite Wells	Deep	03/06/2023	MW-116D	0	0	UJ
MW-116D	Offsite Wells	Deep	06/22/2023	MW-116D	**5.38**	**0.00538**	J

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-116D	Offsite Wells	Deep	08/15/2023	MW-116D	**4.28**	**0.00428**	J
MW-116D	Offsite Wells	Deep	11/14/2023	MW-116D	0.63	0.00063	J
MW-116S	Offsite Wells	Shallow	09/13/2022	MW-116S	0	0	U
MW-116S	Offsite Wells	Shallow	03/06/2023	MW-116S	0	0	UJ
MW-116S	Offsite Wells	Shallow	06/22/2023	MW-116S	0	0	U
MW-116S	Offsite Wells	Shallow	08/15/2023	MW-116S	0	0	U
MW-116S	Offsite Wells	Shallow	11/14/2023	MW-116S	0	0	U
MW-117D	Offsite Wells	Deep	09/15/2022	MW-117D	0.53	0.00053	J
MW-117D	Offsite Wells	Deep	03/06/2023	MW-117D	1	0.001	UJ
MW-117D	Offsite Wells	Deep	06/22/2023	MW-117D	**2.1**	**0.0021**	
MW-117D	Offsite Wells	Deep	08/16/2023	MW-117D	1.4	0.0014	J
MW-117D	Offsite Wells	Deep	11/15/2023	MW-117D	1.1	0.0011	
MW-117S	Offsite Wells	Shallow	09/15/2022	MW-117S	0.19	0.00019	J
MW-117S	Offsite Wells	Shallow	03/06/2023	MW-117S	0	0	UJ
MW-117S	Offsite Wells	Shallow	06/22/2023	MW-117S	0	0	U
MW-117S	Offsite Wells	Shallow	08/16/2023	MW-117S	0.9	0.0009	
MW-117S	Offsite Wells	Shallow	11/15/2023	MW-117S	1.4	0.0014	
MW-118D	Offsite Wells	Deep	07/08/2022	MW-118D	0.29	0.00029	J
MW-118D	Offsite Wells	Deep	09/14/2022	MW-118D	0.27	0.00027	J
MW-118D	Offsite Wells	Deep	03/11/2023	MW-118D	**3.3**	**0.0033**	J
MW-118D	Offsite Wells	Deep	06/22/2023	MW-118D	**3.25**	**0.00325**	J
MW-118D	Offsite Wells	Deep	08/16/2023	MW-118D	**2.63**	**0.00263**	J
MW-118D	Offsite Wells	Deep	11/15/2023	MW-118D	0	0	U
MW-118S	Offsite Wells	Shallow	07/08/2022	MW-118S	0.59	0.00059	J
MW-118S	Offsite Wells	Shallow	09/14/2022	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	03/11/2023	MW-118S	0	0	UJ
MW-118S	Offsite Wells	Shallow	06/22/2023	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	08/16/2023	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	11/15/2023	MW-118S	0	0	U

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-119D	Offsite Wells	Deep	09/12/2022	MW-119D	**9.6**	**0.0096**	
MW-119D	Offsite Wells	Deep	11/07/2022	MW-119D	**7.01**	**0.00701**	
MW-119D	Offsite Wells	Deep	03/08/2023	MW-119D	**6.29**	**0.00629**	UJ
MW-119D	Offsite Wells	Deep	06/19/2023	MW-119D	**3.51**	**0.00351**	J
MW-119D	Offsite Wells	Deep	08/14/2023	MW-119D	**6.12**	**0.00612**	J
MW-119D	Offsite Wells	Deep	11/14/2023	MW-119D	**5.49**	**0.00549**	J
MW-119S	Offsite Wells	Shallow	09/12/2022	MW-119S	0.3	0.0003	J
MW-119S	Offsite Wells	Shallow	11/07/2022	MW-119S	0.87	0.00087	
MW-119S	Offsite Wells	Shallow	03/08/2023	MW-119S	0.58	0.00058	UJ
MW-119S	Offsite Wells	Shallow	06/19/2023	MW-119S	0	0	U
MW-119S	Offsite Wells	Shallow	08/14/2023	MW-119S	0	0	U
MW-119S	Offsite Wells	Shallow	11/14/2023	MW-119S	0	0	U
MW-120D	Offsite Wells	Deep	09/15/2022	MW-120D	**38.6**	**0.0386**	J
MW-120D	Offsite Wells	Deep	03/13/2023	MW-120D	**65**	**0.065**	UJ
MW-120D	Offsite Wells	Deep	06/21/2023	DUP_062123	**62**	**0.062**	
MW-120D	Offsite Wells	Deep	06/21/2023	MW-120D	**63.3**	**0.0633**	J
MW-120D	Offsite Wells	Deep	08/17/2023	MW-120D	**97.6**	**0.0976**	J
MW-120D	Offsite Wells	Deep	11/16/2023	MW-120D	**101**	**0.101**	J
MW-120S	Offsite Wells	Shallow	09/15/2022	MW-120S	**34**	**0.034**	
MW-120S	Offsite Wells	Shallow	03/13/2023	MW-120S	**36**	**0.036**	UJ
MW-120S	Offsite Wells	Shallow	06/21/2023	MW-120S	**33**	**0.033**	
MW-120S	Offsite Wells	Shallow	08/17/2023	MW-120S	**85**	**0.085**	J
MW-120S	Offsite Wells	Shallow	11/16/2023	MW-120S	**82**	**0.082**	
MW-121D	Offsite Wells	Deep	09/16/2022	MW-121D	**3.3**	**0.0033**	
MW-121D	Offsite Wells	Deep	03/10/2023	MW-121D	1.2	0.0012	UJ
MW-121D	Offsite Wells	Deep	06/26/2023	MW-121D	**4.9**	**0.0049**	
MW-121D	Offsite Wells	Deep	08/16/2023	MW-121D	**2.7**	**0.0027**	
MW-121D	Offsite Wells	Deep	11/15/2023	MW-121D	**9.68**	**0.00968**	
MW-121S	Offsite Wells	Shallow	09/16/2022	MW-121S	**68**	**0.068**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-121S	Offsite Wells	Shallow	03/10/2023	MW-121S	**92.5**	**0.0925**	UJ
MW-121S	Offsite Wells	Shallow	06/26/2023	MW-121S	**5.7**	**0.0057**	J
MW-121S	Offsite Wells	Shallow	08/16/2023	MW-121S	**97.2**	**0.0972**	
MW-121S	Offsite Wells	Shallow	11/15/2023	MW-121S	**142**	**0.141**	
MW-122D	Offsite Wells	Deep	09/16/2022	MW-122D	**16**	**0.016**	
MW-122D	Offsite Wells	Deep	11/09/2022	MW-122D	**15**	**0.015**	
MW-122D	Offsite Wells	Deep	03/28/2023	MW-122D	**20**	**0.02**	UJ
MW-122D	Offsite Wells	Deep	06/26/2023	MW-122D	**18**	**0.018**	
MW-122D	Offsite Wells	Deep	08/17/2023	MW-122D	**20**	**0.02**	
MW-122D	Offsite Wells	Deep	11/16/2023	MW-122D	**30**	**0.03**	
MW-122S	Offsite Wells	Shallow	09/16/2022	MW-122S	**810**	**0.81**	
MW-122S	Offsite Wells	Shallow	11/09/2022	MW-122S	**660**	**0.66**	
MW-122S	Offsite Wells	Shallow	03/28/2023	MW-122S	**560**	**0.56**	UJ
MW-122S	Offsite Wells	Shallow	06/26/2023	MW-122S	**580**	**0.58**	
MW-122S	Offsite Wells	Shallow	08/17/2023	MW-122S	**440**	**0.44**	
MW-122S	Offsite Wells	Shallow	11/16/2023	MW-122S	**340**	**0.34**	J
MW-123D	Offsite Wells	Lower PRM	04/05/2023	MW-123D	**24.6**	**0.0246**	UJ
MW-123D	Offsite Wells	Lower PRM	08/18/2023	MW-123D	**2.12**	**0.00212**	J
MW-123I	Offsite Wells	Middle PRM	04/05/2023	MW-123I	**32.6**	**0.0326**	UJ
MW-123I	Offsite Wells	Middle PRM	08/18/2023	MW-123I	**19**	**0.019**	
MW-123S	Offsite Wells	Shallow	09/19/2022	MW-123S	**38**	**0.038**	
MW-123S	Offsite Wells	Shallow	03/13/2023	MW-123S	**68**	**0.068**	UJ
MW-123S	Offsite Wells	Shallow	06/23/2023	MW-123S	**140**	**0.14**	J
MW-123S	Offsite Wells	Shallow	08/18/2023	MW-123S	**160**	**0.16**	J
MW-124D	Offsite Wells	Deep	05/11/2022	MW-124D	**3**	**0.003**	
MW-124D	Offsite Wells	Deep	07/11/2022	MW-124D	1.6	0.0016	
MW-124D	Offsite Wells	Deep	09/20/2022	MW-124D	2	0.002	
MW-124D	Offsite Wells	Deep	03/08/2023	MW-124D	**13**	**0.013**	R
MW-124D	Offsite Wells	Deep	06/23/2023	MW-124D	**3.6**	**0.0036**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-124D	Offsite Wells	Deep	08/18/2023	MW-124D	**15**	**0.015**	
MW-124D	Offsite Wells	Deep	11/16/2023	MW-124D	**6.4**	**0.0064**	
MW-124S	Offsite Wells	Shallow	05/11/2022	MW-124S	**42.7**	**0.0427**	J
MW-124S	Offsite Wells	Shallow	07/11/2022	MW-124S	**25**	**0.025**	
MW-124S	Offsite Wells	Shallow	09/20/2022	MW-124S	**78.7**	**0.0787**	J
MW-124S	Offsite Wells	Shallow	03/08/2023	MW-124S	**82.5**	**0.0825**	UJ
MW-124S	Offsite Wells	Shallow	06/23/2023	MW-124S	**92.8**	**0.0928**	J
MW-124S	Offsite Wells	Shallow	08/18/2023	MW-124S	**120**	**0.12**	J
MW-124S	Offsite Wells	Shallow	11/16/2023	MW-124S	**241**	**0.241**	J
MW-125D	Offsite Wells	Deep	09/15/2022	MW-125D	0	0	U
MW-125D	Offsite Wells	Deep	03/09/2023	MW-125D	0	0	UJ
MW-125D	Offsite Wells	Deep	06/20/2023	MW-125D	0	0	U
MW-125D	Offsite Wells	Deep	08/14/2023	MW-125D	**6.7**	**0.0067**	J
MW-125D	Offsite Wells	Deep	11/13/2023	MW-125D	**4.23**	**0.00423**	J
MW-125S	Offsite Wells	Shallow	09/15/2022	MW-125S	0	0	U
MW-125S	Offsite Wells	Shallow	03/09/2023	MW-125S	0	0	UJ
MW-125S	Offsite Wells	Shallow	06/20/2023	MW-125S	0	0	U
MW-125S	Offsite Wells	Shallow	08/14/2023	MW-125S	0	0	U
MW-125S	Offsite Wells	Shallow	11/13/2023	MW-125S	0	0	U
MW-126D	Offsite Wells	Deep	09/12/2022	MW-126D	0	0	U
MW-126D	Offsite Wells	Deep	03/06/2023	MW-126D	0	0	UJ
MW-126D	Offsite Wells	Deep	06/19/2023	DUP_061923	0	0	U
MW-126D	Offsite Wells	Deep	06/19/2023	MW-126D	0	0	U
MW-126D	Offsite Wells	Deep	08/14/2023	MW-126D	0	0	U
MW-126D	Offsite Wells	Deep	08/14/2023	DUP_081423	0	0	U
MW-126D	Offsite Wells	Deep	11/13/2023	MW-126D	0	0	U
MW-126S	Offsite Wells	Shallow	09/12/2022	MW-126S	0	0	U
MW-126S	Offsite Wells	Shallow	03/06/2023	MW-126S	0	0	UJ
MW-126S	Offsite Wells	Shallow	06/19/2023	MW-126S	0	0	U

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-126S	Offsite Wells	Shallow	08/14/2023	MW-126S	0	0	U
MW-126S	Offsite Wells	Shallow	11/13/2023	MW-126S	0	0	U
MW-127D	Offsite Wells	Deep	09/19/2022	MW-127D	**92.1**	**0.0921**	
MW-127D	Offsite Wells	Deep	03/08/2023	MW-127D	**79.4**	**0.0794**	UJ
MW-127D	Offsite Wells	Deep	06/21/2023	MW-127D	**56.1**	**0.0561**	
MW-127D	Offsite Wells	Deep	08/18/2023	MW-127D	**143**	**0.143**	
MW-127D	Offsite Wells	Deep	08/18/2023	DUP_081823	**164**	**0.164**	
MW-127D	Offsite Wells	Deep	11/16/2023	MW-127D	**164**	**0.164**	
MW-127S	Offsite Wells	Shallow	09/19/2022	MW-127S	**4**	**0.004**	
MW-127S	Offsite Wells	Shallow	03/08/2023	MW-127S	**7.1**	**0.0071**	UJ
MW-127S	Offsite Wells	Shallow	06/21/2023	MW-127S	**4.1**	**0.0041**	
MW-127S	Offsite Wells	Shallow	08/18/2023	MW-127S	**5.3**	**0.0053**	
MW-127S	Offsite Wells	Shallow	11/16/2023	MW-127S	**6.6**	**0.0066**	
MW-128S	Main Plant Area	Shallow	03/10/2023	MW-128S	**96400**	**96.4**	J
MW-128S	Main Plant Area	Shallow	06/26/2023	MW-128S	**121000**	**121**	J
MW-128S	Main Plant Area	Shallow	08/23/2023	MW-128S	**112000**	**112**	J
MW-128S	Main Plant Area	Shallow	11/29/2023	MW-128S	**132000**	**132**	J
MW-129S	Main Plant Area	Shallow	03/10/2023	MW-129S	**14100**	**14.1**	UJ
MW-129S	Main Plant Area	Shallow	06/26/2023	MW-129S	**22900**	**22.9**	J
MW-129S	Main Plant Area	Shallow	08/23/2023	DUP_082323	**16200**	**16.2**	
MW-129S	Main Plant Area	Shallow	08/23/2023	MW-129S	**18400**	**18.4**	J
MW-129S	Main Plant Area	Shallow	11/29/2023	MW-129S	**21000**	**21**	J
MW-12S	Main Plant Area	Shallow	02/28/2022	MW-12S	**19100**	**19.1**	
MW-130D	Offsite Wells	Deep	08/17/2023	MW-130D	**171**	**0.171**	
MW-130D	Offsite Wells	Deep	11/17/2023	MW-130D	**47**	**0.047**	
MW-130S	Offsite Wells	Shallow	08/17/2023	MW-130S	**2.1**	**0.0021**	
MW-130S	Offsite Wells	Shallow	11/17/2023	MW-130S	**231**	**0.231**	J
MW-131D	Offsite Wells	Deep	08/17/2023	MW-131D	**214**	**0.214**	
MW-131D	Offsite Wells	Deep	11/17/2023	MW-131D	**319**	**0.319**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-131S	Offsite Wells	Shallow	08/17/2023	MW-131S	**242**	**0.242**	
MW-131S	Offsite Wells	Shallow	11/17/2023	DUP_111723	**292**	**0.292**	R
MW-131S	Offsite Wells	Shallow	11/17/2023	MW-131S	**292**	**0.292**	R
MW-132D	Offsite Wells	Deep	08/17/2023	MW-132D	0	0	U
MW-132D	Offsite Wells	Deep	11/16/2023	MW-132D	0	0	U
MW-132S	Offsite Wells	Shallow	08/17/2023	MW-132S	**9.4**	**0.0094**	
MW-132S	Offsite Wells	Shallow	11/16/2023	MW-132S	**11**	**0.011**	
MW-133D	Offsite Wells	Deep	08/17/2023	MW-133D	**1610**	**1.61**	
MW-133D	Offsite Wells	Deep	11/16/2023	MW-133D	**1610**	**1.61**	
MW-133S	Offsite Wells	Shallow	08/17/2023	MW-133S	**348**	**0.348**	
MW-133S	Offsite Wells	Shallow	11/16/2023	MW-133S	**241**	**0.241**	
MW-134D	Offsite Wells	Deep	08/16/2023	MW-134D	0	0	U
MW-134D	Offsite Wells	Deep	11/15/2023	DUP_111523	0	0	U
MW-134D	Offsite Wells	Deep	11/15/2023	MW-134D	0	0	U
MW-134S	Offsite Wells	Shallow	08/16/2023	MW-134S	0	0	U
MW-134S	Offsite Wells	Shallow	11/15/2023	MW-134S	0	0	U
MW-135D	Offsite Wells	Deep	11/13/2023	MW-135D	0	0	U
MW-135S	Offsite Wells	Shallow	11/13/2023	MW-135S	0	0	U
MW-16S	Main Plant Area	Shallow	11/17/2021	MW-16S	**27100**	**27.1**	
MW-16S	Main Plant Area	Shallow	03/01/2022	MW-16S	**6630**	**6.63**	J
MW-16S	Main Plant Area	Shallow	11/02/2022	MW-16S	**7600**	**7.6**	
MW-16S	Main Plant Area	Shallow	03/09/2023	MW-16S	**9600**	**9.6**	J
MW-16S	Main Plant Area	Shallow	06/27/2023	MW-16S	**14500**	**14.5**	J
MW-16S	Main Plant Area	Shallow	08/23/2023	MW-16S	**20100**	**20.1**	J
MW-16S	Main Plant Area	Shallow	09/14/2023	MW-16S	**30200**	**30.2**	J
MW-16S	Main Plant Area	Shallow	11/29/2023	MW-16S	**10300**	**10.3**	
MW-19D	Offsite Wells	Deep	07/12/2022	MW-19D	**12300**	**12.3**	
MW-19D	Offsite Wells	Deep	10/18/2022	MW-19D	**12400**	**12.4**	J
MW-19D	Offsite Wells	Deep	03/14/2023	MW-19D	**12400**	**12.4**	UJ

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-19D	Offsite Wells	Deep	06/28/2023	MW-19D	**15400**	**15.4**	J
MW-19D	Offsite Wells	Deep	08/18/2023	MW-19D	**1100**	**1.1**	J
MW-19D	Offsite Wells	Deep	09/07/2023	MW-19D	**12300**	**12.3**	
MW-19D	Offsite Wells	Deep	11/17/2023	MW-19D	**11400**	**11.4**	
MW-19I	Offsite Wells	Intermediate	07/12/2022	MW-19I	**6300**	**6.3**	J
MW-19I	Offsite Wells	Intermediate	09/20/2022	MW-19I	**6300**	**6.3**	J
MW-19I	Offsite Wells	Intermediate	03/14/2023	MW-19I	**7500**	**7.5**	UJ
MW-19I	Offsite Wells	Intermediate	06/28/2023	MW-19I	**296**	**0.296**	J
MW-19I	Offsite Wells	Intermediate	08/18/2023	MW-19I	**11100**	**11.1**	J
MW-19I	Offsite Wells	Intermediate	11/17/2023	MW-19I	**9600**	**9.6**	
MW-19S	Offsite Wells	Shallow	07/12/2022	MW-19S	**1400**	**1.4**	
MW-19S	Offsite Wells	Shallow	03/14/2023	MW-19S	**4000**	**4**	J
MW-19S	Offsite Wells	Shallow	11/16/2023	MW-19S	**930**	**0.93**	
MW-19X	Offsite Wells	Middle PRM	04/05/2023	MW-19X	**94.2**	**0.0942**	J
MW-19X	Offsite Wells	Middle PRM	08/18/2023	MW-19X	**162**	**0.162**	J
MW-19X	Offsite Wells	Middle PRM	11/16/2023	MW-19X	**203**	**0.203**	
MW-1D	Main Plant Area	Deep	10/20/2022	MW-1D	**35600**	**35.6**	J
MW-1D	Main Plant Area	Deep	03/13/2023	MW-1D	**26900**	**26.9**	UJ
MW-1D	Main Plant Area	Deep	06/26/2023	MW-1D	**33600**	**33.6**	J
MW-1D	Main Plant Area	Deep	08/22/2023	MW-1D	**39600**	**39.6**	J
MW-1D	Main Plant Area	Deep	09/13/2023	MW-1D	**41600**	**41.6**	J
MW-1D	Main Plant Area	Deep	09/13/2023	DUP_091323	**44500**	**44.5**	J
MW-1D	Main Plant Area	Deep	12/01/2023	MW-1D	**47500**	**47.5**	J
MW-22X	Main Plant Area	Middle PRM	04/04/2023	MW-22X	**505**	**0.505**	UJ
MW-22X	Main Plant Area	Middle PRM	08/08/2023	MW-22X	**650**	**0.65**	J
MW-22X	Main Plant Area	Middle PRM	11/29/2023	MW-22X	**81**	**0.081**	
MW-24D	Dredge Spoil Area	Deep	10/19/2022	MW-24D	**158**	**0.158**	
MW-24D	Dredge Spoil Area	Deep	08/21/2023	MW-24D	**147**	**0.147**	
MW-24D	Dredge Spoil Area	Deep	09/14/2023	MW-24D	**176**	**0.176**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-24D	Dredge Spoil Area	Deep	11/29/2023	MW-24D	**189**	**0.189**	
MW-24I	Dredge Spoil Area	Intermediate	10/19/2022	MW-24I	**114**	**0.114**	J
MW-24I	Dredge Spoil Area	Intermediate	08/21/2023	MW-24I	**227**	**0.227**	
MW-24I	Dredge Spoil Area	Intermediate	09/14/2023	MW-24I	**246**	**0.246**	
MW-24I	Dredge Spoil Area	Intermediate	11/29/2023	MW-24I	**206**	**0.206**	
MW-25IL	Offsite Wells	Intermediate	10/18/2022	MW-25IL	**6050**	**6.05**	
MW-25IL	Offsite Wells	Intermediate	09/07/2023	MW-25IL	**6240**	**6.24**	
MW-25IU	Offsite Wells	Intermediate	11/01/2022	MW-25IU	**9010**	**9.01**	
MW-25S	Offsite Wells	Shallow	10/18/2022	MW-25S	**3970**	**3.97**	
MW-25S	Offsite Wells	Shallow	09/07/2023	MW-25S	**3260**	**3.26**	
MW-26D	Offsite Wells	Deep	09/14/2023	MW-26D	**525**	**0.525**	
MW-26IL	Offsite Wells	Intermediate	09/14/2023	MW-26IL	**4640**	**4.64**	
MW-26S	Offsite Wells	Shallow	09/14/2023	MW-26S	**456**	**0.456**	
MW-27IU	Offsite Wells	Intermediate	10/10/2022	MW-27IU	**10400**	**10.4**	J
MW-27IU	Offsite Wells	Intermediate	09/08/2023	MW-27IU	**3400**	**3.4**	
MW-27S	Offsite Wells	Shallow	10/10/2022	MW-27S	**2880**	**2.88**	J
MW-27S	Offsite Wells	Shallow	09/08/2023	MW-27S	**1740**	**1.74**	
MW-28IL	Offsite Wells	Intermediate	10/11/2022	MW-28IL	**11100**	**11.1**	J
MW-28IL	Offsite Wells	Intermediate	09/08/2023	MW-28IL	**9910**	**9.91**	
MW-28S	Offsite Wells	Shallow	10/11/2022	MW-28S	**112**	**0.112**	J
MW-28S	Offsite Wells	Shallow	09/08/2023	MW-28S	**211**	**0.211**	
MW-29IU	Offsite Wells	Intermediate	10/11/2022	MW-29IU	**2410**	**2.41**	J
MW-29IU	Offsite Wells	Intermediate	09/08/2023	MW-29IU	**2420**	**2.42**	
MW-29S	Offsite Wells	Shallow	10/11/2022	MW-29S	**39**	**0.039**	
MW-29S	Offsite Wells	Shallow	09/08/2023	MW-29S	**30**	**0.03**	
MW-30D	Offsite Wells	Deep	09/12/2023	MW-30D	**210**	**0.21**	
MW-30IL	Offsite Wells	Intermediate	09/11/2023	MW-30IL	**764**	**0.764**	J
MW-30IU	Offsite Wells	Intermediate	09/11/2023	MW-30IU	**750**	**0.75**	
MW-30S	Offsite Wells	Shallow	09/11/2023	MW-30S	**342**	**0.342**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-31IU	Offsite Wells	Intermediate	10/12/2022	MW-31IU	**811**	**0.811**	
MW-31IU	Offsite Wells	Intermediate	09/08/2023	MW-31IU	**851**	**0.851**	J
MW-31S	Offsite Wells	Shallow	10/12/2022	MW-31S	**705**	**0.705**	
MW-31S	Offsite Wells	Shallow	09/08/2023	MW-31S	**485**	**0.485**	
MW-32S	Offsite Wells	Shallow	10/19/2022	MW-32S	**2200**	**2.2**	
MW-33S	Offsite Wells	Shallow	07/12/2022	MW-33S	**42**	**0.042**	
MW-33S	Offsite Wells	Shallow	03/10/2023	MW-33S	**200**	**0.2**	UJ
MW-33S	Offsite Wells	Shallow	06/28/2023	MW-33S	**210.29**	**0.21029**	J
MW-33S	Offsite Wells	Shallow	08/18/2023	MW-33S	**240**	**0.24**	J
MW-33S	Offsite Wells	Shallow	11/17/2023	MW-33S	**291**	**0.291**	J
MW-34D	Offsite Wells	Deep	10/17/2022	MW-34D	**950**	**0.95**	
MW-34D	Offsite Wells	Deep	09/13/2023	MW-34D	**1300**	**1.3**	J
MW-34IL	Offsite Wells	Intermediate	10/17/2022	MW-34IL	**690**	**0.69**	
MW-34IL	Offsite Wells	Intermediate	09/13/2023	MW-34IL	**1200**	**1.2**	
MW-35D	Offsite Wells	Deep	10/12/2022	MW-35D	**55**	**0.055**	J
MW-35D	Offsite Wells	Deep	09/11/2023	MW-35D	**110**	**0.11**	
MW-35I	Offsite Wells	Intermediate	10/12/2022	MW-35I	**160**	**0.16**	J
MW-35I	Offsite Wells	Intermediate	09/11/2023	MW-35I	**230**	**0.23**	J
MW-36D	Offsite Wells	Deep	07/11/2022	MW-36D	**87**	**0.087**	
MW-36D	Offsite Wells	Deep	10/13/2022	MW-36D	1.2	0.0012	
MW-36D	Offsite Wells	Deep	03/09/2023	MW-36D	**5.4**	**0.0054**	UJ
MW-36D	Offsite Wells	Deep	06/29/2023	MW-36D	**2.5**	**0.0025**	J
MW-36D	Offsite Wells	Deep	08/15/2023	MW-36D	1.5	0.0015	
MW-36D	Offsite Wells	Deep	09/13/2023	MW-36D	**4.3**	**0.0043**	
MW-36D	Offsite Wells	Deep	11/15/2023	MW-36D	**6.04**	**0.00604**	J
MW-37D	Offsite Wells	Deep	10/13/2022	MW-37D	**1820**	**1.82**	
MW-37D	Offsite Wells	Deep	09/12/2023	MW-37D	**1920**	**1.92**	
MW-37S	Offsite Wells	Shallow	10/13/2022	MW-37S	**411**	**0.411**	J
MW-37S	Offsite Wells	Shallow	09/12/2023	MW-37S	**470**	**0.47**	J

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-38D	Offsite Wells	Deep	07/12/2022	MW-38D	**63**	**0.063**	
MW-38D	Offsite Wells	Deep	10/13/2022	MW-38D	**95**	**0.095**	
MW-38D	Offsite Wells	Deep	09/12/2023	MW-38D	**260**	**0.26**	
MW-39D	Offsite Wells	Deep	09/13/2023	MW-39D	**36.5**	**0.0365**	J
MW-39I	Offsite Wells	Intermediate	09/13/2023	MW-39I	**2180**	**2.17**	J
MW-39S	Offsite Wells	Shallow	09/13/2023	MW-39S	**314**	**0.314**	
MW-4	Main Plant Area	Shallow	03/01/2022	MW-4	**10100**	**10.1**	J
MW-40I	Offsite Wells	Intermediate	11/02/2022	MW-40I	**2460**	**2.46**	
MW-40I	Offsite Wells	Intermediate	03/13/2023	MW-40I	**2170**	**2.17**	R
MW-40I	Offsite Wells	Intermediate	06/27/2023	MW-40I	**2480**	**2.48**	J
MW-40I	Offsite Wells	Intermediate	08/18/2023	MW-40I	**2720**	**2.72**	J
MW-40I	Offsite Wells	Intermediate	11/27/2023	MW-40I	**2300**	**2.3**	
MW-40S	Offsite Wells	Shallow	11/17/2021	MW-40S	**1220**	**1.22**	
MW-40S	Offsite Wells	Shallow	03/02/2022	MW-40S	**1920**	**1.92**	J
MW-40S	Offsite Wells	Shallow	11/02/2022	MW-40S	**970**	**0.97**	
MW-40S	Offsite Wells	Shallow	03/13/2023	MW-40S	**690**	**0.69**	J
MW-40S	Offsite Wells	Shallow	06/27/2023	MW-40S	**620**	**0.62**	J
MW-40S	Offsite Wells	Shallow	08/18/2023	MW-40S	**610**	**0.61**	J
MW-40S	Offsite Wells	Shallow	09/14/2023	MW-40S	**490**	**0.49**	
MW-40S	Offsite Wells	Shallow	11/27/2023	DUP_112723	**686**	**0.686**	
MW-40S	Offsite Wells	Shallow	11/27/2023	MW-40S	**685**	**0.685**	
MW-41D	Offsite Wells	Deep	07/12/2022	MW-41D	**28**	**0.028**	
MW-41D	Offsite Wells	Deep	10/13/2022	MW-41D	**28**	**0.028**	
MW-41D	Offsite Wells	Deep	09/12/2023	MW-41D	**67.9**	**0.0679**	J
MW-41D	Offsite Wells	Deep	09/12/2023	DUP_091223	**69.9**	**0.0699**	
MW-42D	Offsite Wells	Deep	07/11/2022	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	10/13/2022	MW-42D	0.61	0.00061	J
MW-42D	Offsite Wells	Deep	03/09/2023	MW-42D	0	0	UJ
MW-42D	Offsite Wells	Deep	06/29/2023	MW-42D	0	0	U

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-42D	Offsite Wells	Deep	08/17/2023	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	09/12/2023	MW-42D	0.85	0.00085	J
MW-42D	Offsite Wells	Deep	11/17/2023	MW-42D	**2.44**	**0.00244**	J
MW-43D	Offsite Wells	Deep	07/12/2022	MW-43D	**40**	**0.04**	
MW-43D	Offsite Wells	Deep	10/14/2022	MW-43D	**48**	**0.048**	
MW-43D	Offsite Wells	Deep	09/14/2023	DUP_091423	**100**	**0.1**	J
MW-43D	Offsite Wells	Deep	09/14/2023	MW-43D	**100**	**0.1**	J
MW-43I	Offsite Wells	Intermediate	07/12/2022	MW-43I	**271**	**0.271**	
MW-43I	Offsite Wells	Intermediate	10/14/2022	MW-43I	**292**	**0.292**	
MW-43I	Offsite Wells	Intermediate	09/14/2023	MW-43I	**463**	**0.463**	
MW-44D	Offsite Wells	Deep	10/14/2022	MW-44D	**18.7**	**0.0187**	J
MW-5I	Main Plant Area	Intermediate	10/20/2022	MW-5I	**2140**	**2.14**	
MW-5I	Main Plant Area	Intermediate	03/13/2023	MW-5I	**2970**	**2.97**	J
MW-5I	Main Plant Area	Intermediate	06/29/2023	MW-5I	**2370**	**2.37**	J
MW-5I	Main Plant Area	Intermediate	08/18/2023	MW-5I	**2300**	**2.3**	J
MW-5I	Main Plant Area	Intermediate	11/17/2023	MW-5I	**3020**	**3.02**	
MW-5X	Main Plant Area	Middle PRM	04/04/2023	MW-5X	**8.7**	**0.0087**	UJ
MW-5X	Main Plant Area	Middle PRM	08/09/2023	MW-5X	0.88	0.00088	J
MW-5X	Main Plant Area	Middle PRM	11/27/2023	MW-5X	**14**	**0.014**	
MW-6I	Main Plant Area	Intermediate	11/01/2022	MW-6I	**2830**	**2.83**	J
MW-6I	Main Plant Area	Intermediate	03/13/2023	MW-6I	**2980**	**2.98**	UJ
MW-6I	Main Plant Area	Intermediate	06/26/2023	MW-6I	**3040**	**3.04**	J
MW-6I	Main Plant Area	Intermediate	08/22/2023	MW-6I	**3760**	**3.76**	
MW-6I	Main Plant Area	Intermediate	11/27/2023	MW-6I	**3590**	**3.59**	
P-2S	Main Plant Area	Shallow	11/02/2022	P-2S	**672**	**0.672**	
P-2S	Main Plant Area	Shallow	03/09/2023	P-2S	**560**	**0.56**	J
P-2S	Main Plant Area	Shallow	06/28/2023	P-2S	**500**	**0.5**	J
P-2S	Main Plant Area	Shallow	08/22/2023	P-2S	**490**	**0.49**	J
P-2S	Main Plant Area	Shallow	11/29/2023	P-2S	**810**	**0.81**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
P-3D	Dredge Spoil Area	Lower PRM	09/20/2022	P-3D	**7.31**	**0.00731**	J
P-3D	Dredge Spoil Area	Lower PRM	03/10/2023	P-3D	**29.5**	**0.0295**	UJ
P-3D	Dredge Spoil Area	Lower PRM	08/08/2023	P-3D	**199**	**0.199**	
P-3D	Dredge Spoil Area	Lower PRM	11/28/2023	P-3D	**18.7**	**0.0187**	
P-3I	Dredge Spoil Area	Middle PRM	09/20/2022	P-3I	**255**	**0.255**	
P-3I	Dredge Spoil Area	Middle PRM	03/10/2023	P-3I	**401**	**0.401**	J
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	P-3I	**359**	**0.359**	J
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	DUP_080823	**394**	**0.394**	
P-3I	Dredge Spoil Area	Middle PRM	11/28/2023	P-3I	**480**	**0.48**	
P-3S	Dredge Spoil Area	Shallow	03/10/2023	P-3S	**5760**	**5.76**	UJ
P-3S	Dredge Spoil Area	Shallow	06/28/2023	P-3S	**7160**	**7.16**	J
P-3S	Dredge Spoil Area	Shallow	08/21/2023	P-3S	**4940**	**4.94**	
P-3S	Dredge Spoil Area	Shallow	11/28/2023	P-3S	**8540**	**8.54**	
P-6S	Main Plant Area	Shallow	11/02/2022	P-6S	**85700**	**85.7**	J
P-6S	Main Plant Area	Shallow	06/26/2023	P-6S	**45600**	**45.6**	J
P-6S	Main Plant Area	Shallow	08/23/2023	P-6S	**124000**	**124**	J
P-6S	Main Plant Area	Shallow	09/14/2023	P-6S	**38000**	**38**	J
P-6S	Main Plant Area	Shallow	11/29/2023	P-6S	**40700**	**40.7**	J
PZ-5	Dredge Spoil Area	Shallow	09/20/2022	PZ-5	**495**	**0.495**	
PZ-5	Dredge Spoil Area	Shallow	03/10/2023	PZ-5	**450**	**0.45**	UJ
PZ-5	Dredge Spoil Area	Shallow	06/28/2023	PZ-5	**361**	**0.361**	J
PZ-5	Dredge Spoil Area	Shallow	08/22/2023	PZ-5	**410**	**0.41**	J
PZ-5	Dredge Spoil Area	Shallow	11/28/2023	PZ-5	**537**	**0.537**	J
PZ-6	Dredge Spoil Area	Shallow	11/03/2022	PZ-6	**201**	**0.201**	J
PZ-6	Dredge Spoil Area	Shallow	03/10/2023	PZ-6	**439**	**0.439**	UJ
PZ-6	Dredge Spoil Area	Shallow	06/29/2023	PZ-6	**675**	**0.675**	J
PZ-6	Dredge Spoil Area	Shallow	08/21/2023	PZ-6	**541**	**0.541**	J
PZ-6	Dredge Spoil Area	Shallow	11/29/2023	PZ-6	**620**	**0.62**	J
PZ-8	Dredge Spoil Area	Shallow	10/19/2022	PZ-8	**428**	**0.428**	

Table 5. Monofunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
PZ-8	Dredge Spoil Area	Shallow	08/21/2023	PZ-8	**352**	**0.352**	J
PZ-8	Dredge Spoil Area	Shallow	09/14/2023	PZ-8	**326**	**0.326**	
PZ-8	Dredge Spoil Area	Shallow	11/29/2023	PZ-8	**530**	**0.53**	

Notes:

Bold sample result indicates value exceeds NJDEP GWQS (2 ng/L, 0.002 (µg/L)

Result represents the total of monofunctional surfactant (MFS) results. A result of zero indicates non-detect values for all MFS oligimers analyzed.

NJDEP GWQS = New Jersey Department of Environmental Protection Groundwater Quality Standard
ng/L = nanograms per liter (or parts per trillion, ppt)
µg/L = micrograms per liter (or parts per billion, ppb)
PRM = Potomac Raritan Magothy

Data Qualifiers:

J = estimated value
U = analyte not detected; the value reported is the method detection limit
R = one or more oligomers rejected in the data validation process; total represents all acceptable oligomer results

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
M/H-2D	Main Plant Area	Intermediate	10/20/2022	M/H-2D	103000	103	J
M/H-2D	Main Plant Area	Intermediate	11/02/2022	M/H-2D_PDB	138000	138	J
M/H-2D	Main Plant Area	Intermediate	09/13/2023	M/H-2D	25400	25.4	J
M/H-4	Main Plant Area	Shallow	02/28/2022	M/H-4_MS_20	2640	2.64	
M/H-4	Main Plant Area	Shallow	02/28/2022	M/H-4	672.36	0.67236	UJ
M/H-4	Main Plant Area	Shallow	02/28/2022	M/H-4_MSD_20	293	0.293	
M/H-4D	Main Plant Area	Intermediate	02/28/2023	M/H-4D_MS_20	4890	4.89	
M/H-4D	Main Plant Area	Intermediate	02/28/2023	M/H-4D_MSD_20	4570	4.57	
M/H-4D	Main Plant Area	Intermediate	02/28/2023	M/H-4D	3040	3.04	J
MW-1	Main Plant Area	Shallow	03/01/2022	MW-1_MS_20	2020	2.02	
MW-1	Main Plant Area	Shallow	03/01/2022	MW-1_MSD_20	1890	1.89	
MW-1	Main Plant Area	Shallow	03/01/2022	MW-1	98.7	0.0987	J
MW-101D	Offsite Wells	Deep	05/10/2022	MW-101D	9.74	0.00974	
MW-101D	Offsite Wells	Deep	07/08/2022	MW-101D	5.86	0.00586	J
MW-101S	Offsite Wells	Shallow	05/10/2022	MW-101S	7.82	0.00782	J
MW-101S	Offsite Wells	Shallow	07/08/2022	MW-101S	6.98	0.00698	J
MW-102D	Offsite Wells	Deep	07/07/2022	MW-102D	1.16	0.00116	J
MW-102D	Offsite Wells	Deep	09/13/2022	MW-102D	0	0	U
MW-102D	Offsite Wells	Deep	03/07/2023	MW-102D	0	0	U
MW-102D	Offsite Wells	Deep	06/22/2023	MW-102D	0.98	0.00098	J
MW-102D	Offsite Wells	Deep	08/15/2023	MW-102D	0	0	U
MW-102D	Offsite Wells	Deep	11/14/2023	MW-102D	0	0	U
MW-102S	Offsite Wells	Shallow	07/07/2022	DUP2_070722	0	0	U
MW-102S	Offsite Wells	Shallow	07/07/2022	MW-102S	0	0	U
MW-102S	Offsite Wells	Shallow	09/13/2022	MW-102S	0	0	U
MW-102S	Offsite Wells	Shallow	03/07/2023	MW-102S	0	0	U
MW-102S	Offsite Wells	Shallow	06/22/2023	MW-102S	0	0	U
MW-102S	Offsite Wells	Shallow	08/15/2023	MW-102S	0	0	U
MW-102S	Offsite Wells	Shallow	11/14/2023	MW-102S	0	0	U
MW-102X	Offsite Wells	Middle PRM	04/06/2023	MW-102X	0	0	U

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-102X	Offsite Wells	Middle PRM	08/09/2023	MW-102X	0.44	0.00044	J
MW-102X	Offsite Wells	Middle PRM	11/16/2023	MW-102X	0	0	U
MW-103D	Offsite Wells	Deep	07/07/2022	MW-103D	37.3	0.0373	
MW-103D	Offsite Wells	Deep	09/14/2022	MW-103D	0	0	U
MW-103D	Offsite Wells	Deep	03/14/2023	MW-103D	0	0	U
MW-103D	Offsite Wells	Deep	06/23/2023	MW-103D	1.3	0.0013	J
MW-103D	Offsite Wells	Deep	08/14/2023	MW-103D	4.05	0.00405	J
MW-103D	Offsite Wells	Deep	11/13/2023	MW-103D	0	0	U
MW-103S	Offsite Wells	Shallow	07/06/2022	MW-103S	0.28	0.00028	J
MW-103S	Offsite Wells	Shallow	09/14/2022	MW-103S	0	0	U
MW-103S	Offsite Wells	Shallow	09/14/2022	DUP_09.14.2022	0	0	U
MW-103S	Offsite Wells	Shallow	03/14/2023	MW-103S	0.11	0.00011	J
MW-103S	Offsite Wells	Shallow	06/23/2023	DUP_062323	1.35	0.00135	J
MW-103S	Offsite Wells	Shallow	06/23/2023	MW-103S	1.21	0.00121	J
MW-103S	Offsite Wells	Shallow	08/14/2023	MW-103S	6.02	0.00602	J
MW-103S	Offsite Wells	Shallow	11/13/2023	MW-103S	1.7	0.0017	J
MW-104D	Offsite Wells	Deep	09/13/2022	MW-104D	0	0	U
MW-104D	Offsite Wells	Deep	11/08/2022	MW-104D	0	0	U
MW-104S	Offsite Wells	Shallow	09/13/2022	MW-104S	0	0	U
MW-104S	Offsite Wells	Shallow	11/08/2022	MW-104S	0.074	0.000074	J
MW-105D	Offsite Wells	Deep	09/12/2022	MW-105D	0	0	U
MW-105S	Offsite Wells	Shallow	09/12/2022	MW-105S	0	0	U
MW-106D	Offsite Wells	Deep	05/11/2022	DUP1_05112022	1.11	0.00111	J
MW-106D	Offsite Wells	Deep	05/11/2022	MW-106D	0.96	0.00096	J
MW-106D	Offsite Wells	Deep	07/07/2022	MW-106D	0	0	U
MW-106D	Offsite Wells	Deep	07/07/2022	DUP1_070722	0	0	U
MW-106D	Offsite Wells	Deep	09/16/2022	MW-106D	0	0	U
MW-106D	Offsite Wells	Deep	11/09/2022	MW-106D	0	0	U
MW-106S	Offsite Wells	Shallow	05/11/2022	MW-106S	0	0	U

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-106S	Offsite Wells	Shallow	05/11/2022	DUP2_05112022	0	0	U
MW-106S	Offsite Wells	Shallow	07/07/2022	MW-106S	0	0	U
MW-106S	Offsite Wells	Shallow	09/16/2022	MW-106S	0	0	U
MW-106S	Offsite Wells	Shallow	11/09/2022	MW-106S	0	0	U
MW-107D	Offsite Wells	Deep	07/08/2022	MW-107D	0	0	U
MW-107D	Offsite Wells	Deep	09/19/2022	MW-107D	0	0	U
MW-107S	Offsite Wells	Shallow	07/08/2022	MW-107S	0	0	U
MW-107S	Offsite Wells	Shallow	09/19/2022	MW-107S	0	0	U
MW-108D	Offsite Wells	Middle PRM	09/12/2022	MW-108D	0	0	U
MW-108D	Offsite Wells	Middle PRM	11/07/2022	MW-108D	0	0	U
MW-108S	Offsite Wells	Shallow	09/12/2022	MW-108S	0	0	U
MW-108S	Offsite Wells	Shallow	11/07/2022	MW-108S	0	0	U
MW-109D	Offsite Wells	Deep	05/10/2022	MW-109D	0	0	U
MW-109D	Offsite Wells	Deep	07/08/2022	MW-109D	0	0	U
MW-109D	Offsite Wells	Deep	09/15/2022	MW-109D	0	0	U
MW-109S	Offsite Wells	Shallow	05/10/2022	MW-109S	828	0.828	J
MW-109S	Offsite Wells	Shallow	07/08/2022	MW-109S	1100	1.1	
MW-109S	Offsite Wells	Shallow	09/15/2022	MW-109S	922	0.922	
MW-109S	Offsite Wells	Shallow	05/09/2023	MW-109S-PDB	748	0.748	J
MW-10I	Main Plant Area	Intermediate	11/01/2022	MW-10I	84900	84.9	J
MW-10I	Main Plant Area	Intermediate	09/13/2023	MW-10I	171000	171	J
MW-10I	Main Plant Area	Intermediate	11/27/2023	MW-10I	114000	114	J
MW-10X	Main Plant Area	Middle PRM	04/04/2023	MW-10X	0	0	U
MW-10X	Main Plant Area	Middle PRM	08/09/2023	MW-10X	0	0	U
MW-10X	Main Plant Area	Middle PRM	11/27/2023	MW-10X	0.4	0.0004	J
MW-110D	Offsite Wells	Deep	05/09/2022	MW-110D	2.3	0.0023	J
MW-110D	Offsite Wells	Deep	07/11/2022	MW-110D	3.2	0.0032	J
MW-110D	Offsite Wells	Deep	09/13/2022	MW-110D	0.42	0.00042	J
MW-110S	Offsite Wells	Shallow	05/09/2022	MW-110S	203	0.203	J

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-110S	Offsite Wells	Shallow	07/11/2022	MW-110S	219	0.219	
MW-110S	Offsite Wells	Shallow	09/13/2022	MW-110S	175	0.175	
MW-111D	Offsite Wells	Deep	05/12/2022	MW-111D	343	0.343	J
MW-111D	Offsite Wells	Deep	07/11/2022	MW-111D	408	0.408	
MW-111D	Offsite Wells	Deep	09/13/2022	MW-111D	327	0.327	
MW-111D	Offsite Wells	Deep	05/09/2023	MW-111D-PDB	317	0.317	J
MW-111S	Offsite Wells	Shallow	05/09/2022	MW-111S-PDB	840.0	0.84	J
MW-111S	Offsite Wells	Shallow	05/12/2022	MW-111S	532	0.532	J
MW-111S	Offsite Wells	Shallow	07/11/2022	MW-111S	630	0.63	
MW-111S	Offsite Wells	Shallow	09/13/2022	MW-111S	558	0.558	
MW-112D	Offsite Wells	Deep	05/09/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	07/06/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	09/14/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	11/08/2022	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	03/07/2023	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	08/15/2023	MW-112D	0	0	U
MW-112D	Offsite Wells	Deep	11/14/2023	MW-112D	0	0	U
MW-112S	Offsite Wells	Shallow	05/09/2022	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	07/06/2022	DUP1_070622	0	0	U
MW-112S	Offsite Wells	Shallow	07/06/2022	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	09/14/2022	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	11/08/2022	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	03/07/2023	MW-112S	0.44	0.00044	J
MW-112S	Offsite Wells	Shallow	08/15/2023	MW-112S	0	0	U
MW-112S	Offsite Wells	Shallow	11/14/2023	MW-112S	0.55	0.00055	
MW-113D	Offsite Wells	Deep	07/07/2022	MW-113D	0	0	U
MW-113D	Offsite Wells	Deep	09/14/2022	MW-113D	0	0	U
MW-113D	Offsite Wells	Deep	03/07/2023	MW-113D	0	0	U
MW-113D	Offsite Wells	Deep	06/21/2023	MW-113D	0	0	UJ

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-113D	Offsite Wells	Deep	08/15/2023	MW-113D	1.61	0.00161	J
MW-113D	Offsite Wells	Deep	11/14/2023	MW-113D	0	0	U
MW-113S	Offsite Wells	Shallow	07/07/2022	MW-113S	0	0	U
MW-113S	Offsite Wells	Shallow	09/14/2022	MW-113S	0	0	U
MW-113S	Offsite Wells	Shallow	03/07/2023	MW-113S	0	0	U
MW-113S	Offsite Wells	Shallow	06/21/2023	MW-113S	0	0	UJ
MW-113S	Offsite Wells	Shallow	08/15/2023	MW-113S	20.5	0.0205	J
MW-113S	Offsite Wells	Shallow	11/14/2023	MW-113S	0.81	0.00081	J
MW-114D	Offsite Wells	Deep	09/13/2022	MW-114D	0	0	U
MW-114S	Offsite Wells	Shallow	09/13/2022	MW-114S	0	0	U
MW-114X	Offsite Wells	Lower PRM	03/28/2023	MW-114X	0	0	UJ
MW-114X	Offsite Wells	Lower PRM	08/08/2023	MW-114X	9.14	0.00914	J
MW-115X	Offsite Wells	Middle PRM	04/06/2023	MW-115X	0.14	0.00014	J
MW-115X	Offsite Wells	Middle PRM	08/08/2023	MW-115X	0	0	U
MW-115X	Offsite Wells	Middle PRM	11/27/2023	MW-115X	0	0	U
MW-116D	Offsite Wells	Deep	09/13/2022	MW-116D	0	0	U
MW-116S	Offsite Wells	Shallow	09/13/2022	MW-116S	0	0	U
MW-117D	Offsite Wells	Deep	09/15/2022	MW-117D	0	0	U
MW-117S	Offsite Wells	Shallow	09/15/2022	MW-117S	0	0	U
MW-118D	Offsite Wells	Deep	07/08/2022	MW-118D	0	0	U
MW-118D	Offsite Wells	Deep	09/14/2022	MW-118D	0	0	U
MW-118D	Offsite Wells	Deep	03/11/2023	MW-118D	0	0	U
MW-118D	Offsite Wells	Deep	06/22/2023	MW-118D	0	0	UJ
MW-118D	Offsite Wells	Deep	08/16/2023	MW-118D	0	0	U
MW-118D	Offsite Wells	Deep	11/15/2023	MW-118D	0	0	U
MW-118S	Offsite Wells	Shallow	07/08/2022	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	09/14/2022	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	03/11/2023	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	06/22/2023	MW-118S	0	0	U

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-118S	Offsite Wells	Shallow	08/16/2023	MW-118S	0	0	U
MW-118S	Offsite Wells	Shallow	11/15/2023	MW-118S	0	0	U
MW-119D	Offsite Wells	Deep	09/12/2022	MW-119D	0	0	U
MW-119D	Offsite Wells	Deep	11/07/2022	MW-119D	0	0	U
MW-119S	Offsite Wells	Shallow	09/12/2022	MW-119S	0	0	U
MW-119S	Offsite Wells	Shallow	11/07/2022	MW-119S	0	0	U
MW-120D	Offsite Wells	Deep	09/15/2022	MW-120D	0	0	UJ
MW-120D	Offsite Wells	Deep	11/21/2022	MW-120D_PDB	6.15	0.00615	J
MW-120S	Offsite Wells	Shallow	09/15/2022	MW-120S	17.9	0.0179	J
MW-120S	Offsite Wells	Shallow	11/01/2022	MW-120S_PDB	25.22	0.02522	J
MW-121D	Offsite Wells	Deep	09/16/2022	MW-121D	0	0	U
MW-121D	Offsite Wells	Deep	11/01/2022	MW-121D_PDB	0	0	U
MW-121S	Offsite Wells	Shallow	09/16/2022	MW-121S	49.7	0.0497	J
MW-121S	Offsite Wells	Shallow	11/01/2022	MW-121S_PDB	39.6	0.0396	
MW-122D	Offsite Wells	Deep	09/16/2022	MW-122D	1	0.001	J
MW-122D	Offsite Wells	Deep	11/09/2022	MW-122D	5	0.005	
MW-122D	Offsite Wells	Deep	03/28/2023	MW-122D	6.36	0.00636	J
MW-122D	Offsite Wells	Deep	03/28/2023	DUP_032823	5.77	0.00577	J
MW-122S	Offsite Wells	Shallow	09/16/2022	MW-122S	157	0.157	J
MW-122S	Offsite Wells	Shallow	11/09/2022	DUP1-11.09.2022	208	0.208	J
MW-122S	Offsite Wells	Shallow	11/09/2022	MW-122S	207	0.207	J
MW-122S	Offsite Wells	Shallow	03/28/2023	MW-122S	207	0.207	J
MW-123D	Offsite Wells	Lower PRM	04/05/2023	MW-123D	0.14	0.00014	J
MW-123D	Offsite Wells	Lower PRM	08/18/2023	MW-123D	0	0	UJ
MW-123I	Offsite Wells	Middle PRM	04/05/2023	MW-123I	0.17	0.00017	J
MW-123I	Offsite Wells	Middle PRM	08/18/2023	MW-123I	0.36	0.00036	J
MW-123S	Offsite Wells	Shallow	09/19/2022	MW-123S	0	0	U
MW-124D	Offsite Wells	Deep	05/11/2022	MW-124D	0	0	U
MW-124D	Offsite Wells	Deep	07/11/2022	MW-124D	0	0	U

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-124D	Offsite Wells	Deep	09/20/2022	MW-124D	0	0	U
MW-124S	Offsite Wells	Shallow	05/11/2022	MW-124S	9.26	0.00926	J
MW-124S	Offsite Wells	Shallow	07/11/2022	MW-124S	5.26	0.00526	
MW-124S	Offsite Wells	Shallow	09/20/2022	MW-124S	23.2	0.0232	J
MW-125D	Offsite Wells	Deep	09/15/2022	MW-125D	0	0	U
MW-125S	Offsite Wells	Shallow	09/15/2022	MW-125S	0	0	U
MW-126D	Offsite Wells	Deep	09/12/2022	DUP_09.14.2022	0	0	U
MW-126D	Offsite Wells	Deep	09/12/2022	MW-126D	0	0	U
MW-126S	Offsite Wells	Shallow	09/12/2022	MW-126S	0	0	U
MW-127D	Offsite Wells	Deep	09/19/2022	DUP_09.19.2022	21.4	0.0214	J
MW-127D	Offsite Wells	Deep	09/19/2022	MW-127D	19.8	0.0198	J
MW-127S	Offsite Wells	Shallow	09/19/2022	MW-127S	0	0	U
MW-128S	Main Plant Area	Shallow	03/10/2023	MW-128S	46700	46.7	J
MW-128S	Main Plant Area	Shallow	06/26/2023	MW-128S	23700	23.7	J
MW-128S	Main Plant Area	Shallow	08/23/2023	MW-128S	25900	25.9	
MW-128S	Main Plant Area	Shallow	11/29/2023	MW-128S	29700	29.7	J
MW-129S	Main Plant Area	Shallow	03/10/2023	MW-129S	2800	2.8	J
MW-129S	Main Plant Area	Shallow	06/26/2023	MW-129S	2420	2.42	J
MW-129S	Main Plant Area	Shallow	08/23/2023	MW-129S	1740	1.74	J
MW-129S	Main Plant Area	Shallow	08/23/2023	DUP_082323	2980	2.98	J
MW-129S	Main Plant Area	Shallow	11/29/2023	MW-129S	3380	3.38	J
MW-12S	Main Plant Area	Shallow	02/28/2022	MW-12S_MSD_20	4750	4.75	
MW-12S	Main Plant Area	Shallow	02/28/2022	MW-12S_MS_20	4050	4.05	
MW-12S	Main Plant Area	Shallow	02/28/2022	MW-12S	2070	2.07	J
MW-130D	Offsite Wells	Deep	06/13/2023	MW-130D_65-70	10.4	0.0104	J
MW-130D	Offsite Wells	Deep	06/13/2023	MW-130D_25-30	6.77	0.00677	J
MW-130D	Offsite Wells	Deep	06/13/2023	MW-130D_45-50	0	0	UJ
MW-130D	Offsite Wells	Deep	06/14/2023	MW-130D_85-90	0.18	0.00018	J
MW-130D	Offsite Wells	Deep	08/17/2023	MW-130D	24.6	0.0246	J

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-130D	Offsite Wells	Deep	11/17/2023	MW-130D	0.32	0.00032	J
MW-130S	Offsite Wells	Shallow	08/17/2023	MW-130S	0	0	U
MW-130S	Offsite Wells	Shallow	11/17/2023	MW-130S	4.88	0.00488	J
MW-131D	Offsite Wells	Deep	06/06/2023	MW-131D_10-25	14.3	0.0143	J
MW-131D	Offsite Wells	Deep	06/07/2023	MW-131D_60-65	2.45	0.00245	J
MW-131D	Offsite Wells	Deep	08/17/2023	MW-131D	421	0.421	
MW-131D	Offsite Wells	Deep	11/17/2023	MW-131D	220	0.22	J
MW-131S	Offsite Wells	Shallow	08/17/2023	MW-131S	262	0.262	
MW-131S	Offsite Wells	Shallow	11/17/2023	DUP_111723	243	0.243	J
MW-131S	Offsite Wells	Shallow	11/17/2023	MW-131S	218	0.218	J
MW-132D	Offsite Wells	Deep	06/05/2023	MW-132D_15-20	0	0	U
MW-132D	Offsite Wells	Deep	07/05/2023	MW-132D_50.5-51.5	0	0	UJ
MW-132D	Offsite Wells	Deep	07/06/2023	MW-132D_81-82	0	0	UJ
MW-132D	Offsite Wells	Deep	08/17/2023	MW-132D	0	0	U
MW-132D	Offsite Wells	Deep	11/16/2023	MW-132D	0	0	U
MW-132S	Offsite Wells	Shallow	08/17/2023	MW-132S	0	0	U
MW-132S	Offsite Wells	Shallow	11/16/2023	MW-132S	0	0	U
MW-133D	Offsite Wells	Deep	06/22/2023	MW-133D_45-50	135	0.135	J
MW-133D	Offsite Wells	Deep	06/22/2023	MW-133D_15-20	8.53	0.00853	J
MW-133D	Offsite Wells	Deep	06/23/2023	MW-133D_75-80	653	0.653	J
MW-133D	Offsite Wells	Deep	08/17/2023	MW-133D	755	0.755	
MW-133D	Offsite Wells	Deep	11/16/2023	MW-133D	676	0.676	J
MW-133S	Offsite Wells	Shallow	08/17/2023	MW-133S	293	0.293	
MW-133S	Offsite Wells	Shallow	11/16/2023	MW-133S	200	0.2	J
MW-134D	Offsite Wells	Deep	07/13/2023	MW-134D_60-65	0	0	UJ
MW-134D	Offsite Wells	Deep	07/18/2023	MW-134D_85-90	0	0	U
MW-134D	Offsite Wells	Deep	07/18/2023	MW-134D_120	0	0	U
MW-134D	Offsite Wells	Deep	07/19/2023	MW-134D_150	0	0	U
MW-134D	Offsite Wells	Deep	08/16/2023	MW-134D	0	0	UJ

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-134D	Offsite Wells	Deep	11/15/2023	DUP_111523	0	0	U
MW-134D	Offsite Wells	Deep	11/15/2023	MW-134D	0	0	U
MW-134S	Offsite Wells	Shallow	08/16/2023	MW-134S	0	0	U
MW-134S	Offsite Wells	Shallow	11/15/2023	MW-134S	0	0	U
MW-135D	Offsite Wells	Deep	11/13/2023	MW-135D	0	0	U
MW-135S	Offsite Wells	Shallow	11/13/2023	MW-135S	0	0	U
MW-16S	Main Plant Area	Shallow	03/01/2022	MW-16S_MSD_20	3830	3.83	
MW-16S	Main Plant Area	Shallow	03/01/2022	MW-16S	810	0.810	J
MW-16S	Main Plant Area	Shallow	11/02/2022	MW-16S_PDB	1820	1.82	
MW-16S	Main Plant Area	Shallow	11/02/2022	MW-16S	1200	1.2	
MW-16S	Main Plant Area	Shallow	03/01/2023	MW-16S_MS_20	3430	3.43	
MW-16S	Main Plant Area	Shallow	09/14/2023	MW-16S	3930	3.93	J
MW-17S	Main Plant Area	Shallow	02/28/2022	MW-17S_MSD_20	3400	3.4	
MW-17S	Main Plant Area	Shallow	02/28/2022	DUP-1_022822	357	0.357	J
MW-17S	Main Plant Area	Shallow	02/28/2022	MW-17S	258	0.258	J
MW-17S	Main Plant Area	Shallow	02/28/2023	MW-17S_MS_20	3180	3.18	
MW-19D	Offsite Wells	Deep	07/12/2022	MW-19D	10700	10.7	J
MW-19D	Offsite Wells	Deep	10/18/2022	MW-19D	13300	13.3	
MW-19D	Offsite Wells	Deep	09/07/2023	MW-19D	9560	9.56	J
MW-19I	Offsite Wells	Intermediate	07/12/2022	MW-19I	2840	2.84	J
MW-19I	Offsite Wells	Intermediate	09/20/2022	MW-19I	2740	2.74	J
MW-19S	Offsite Wells	Shallow	07/12/2022	MW-19S	9.46	0.00946	J
MW-19X	Offsite Wells	Middle PRM	04/05/2023	MW-19X	4.76	0.00476	J
MW-19X	Offsite Wells	Middle PRM	08/18/2023	MW-19X	36.6	0.0366	J
MW-19X	Offsite Wells	Middle PRM	11/16/2023	MW-19X	9.52	0.00952	J
MW-1D	Main Plant Area	Deep	03/01/2022	MW-1D	29200	29.2	
MW-1D	Main Plant Area	Deep	03/01/2022	MW-1D	28700	28.7	
MW-1D	Main Plant Area	Deep	03/01/2022	MW-1D_MS_20	25300	25.3	
MW-1D	Main Plant Area	Deep	03/01/2022	MW-1D_MSD_20	23200	23.2	

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-1D	Main Plant Area	Deep	09/13/2023	DUP_091323	19200	19.2	J
MW-1D	Main Plant Area	Deep	09/13/2023	MW-1D	19500	19.5	J
MW-22X	Main Plant Area	Middle PRM	04/04/2023	MW-22X	302	0.302	J
MW-22X	Main Plant Area	Middle PRM	04/04/2023	DUP_040423	134	0.134	J
MW-22X	Main Plant Area	Middle PRM	08/08/2023	MW-22X	652	0.652	
MW-22X	Main Plant Area	Middle PRM	11/29/2023	MW-22X	36.1	0.0361	J
MW-24D	Dredge Spoil Area	Deep	10/19/2022	MW-24D	76.5	0.0765	
MW-24D	Dredge Spoil Area	Deep	09/14/2023	MW-24D	43.2	0.0432	J
MW-24I	Dredge Spoil Area	Intermediate	10/19/2022	MW-24I	38.3	0.0383	
MW-24I	Dredge Spoil Area	Intermediate	09/14/2023	MW-24I	37.1	0.0371	J
MW-25IL	Offsite Wells	Intermediate	10/18/2022	MW-25IL	3300	3.3	
MW-25IL	Offsite Wells	Intermediate	09/07/2023	MW-25IL	2300	2.3	J
MW-25IU	Offsite Wells	Intermediate	11/01/2022	MW-25IU	4750	4.75	
MW-25S	Offsite Wells	Shallow	10/18/2022	MW-25S	2830	2.83	
MW-25S	Offsite Wells	Shallow	09/07/2023	MW-25S	1370	1.37	J
MW-26D	Offsite Wells	Deep	10/17/2022	MW-26D	361	0.361	
MW-26D	Offsite Wells	Deep	09/14/2023	MW-26D	229	0.229	J
MW-26IL	Offsite Wells	Intermediate	10/17/2022	MW-26IL	1620	1.62	
MW-26IL	Offsite Wells	Intermediate	09/14/2023	MW-26IL	1130	1.13	J
MW-26S	Offsite Wells	Shallow	10/17/2022	MW-26S	20.2	0.0202	J
MW-26S	Offsite Wells	Shallow	09/14/2023	MW-26S	14.8	0.0148	J
MW-27IU	Offsite Wells	Intermediate	10/10/2022	MW-27IU	4960	4.96	
MW-27IU	Offsite Wells	Intermediate	09/08/2023	MW-27IU	1090	1.09	J
MW-27S	Offsite Wells	Shallow	10/10/2022	DUP_20221010	1190	1.19	
MW-27S	Offsite Wells	Shallow	10/10/2022	MW-27S	1140	1.14	J
MW-27S	Offsite Wells	Shallow	09/08/2023	MW-27S	352	0.352	J
MW-28IL	Offsite Wells	Intermediate	10/11/2022	MW-28IL	3710	3.71	
MW-28IL	Offsite Wells	Intermediate	09/08/2023	MW-28IL	2710	2.71	J
MW-28S	Offsite Wells	Shallow	10/11/2022	MW-28S	12.4	0.0124	J

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-28S	Offsite Wells	Shallow	09/08/2023	MW-28S	16.1	0.0161	J
MW-29IU	Offsite Wells	Intermediate	10/11/2022	MW-29IU	1860	1.86	
MW-29IU	Offsite Wells	Intermediate	09/08/2023	MW-29IU	1400	1.4	J
MW-29S	Offsite Wells	Shallow	10/11/2022	MW-29S	1.9	0.0019	J
MW-29S	Offsite Wells	Shallow	09/08/2023	MW-29S	0.5	0.0005	J
MW-30D	Offsite Wells	Deep	10/12/2022	MW-30D	38.4	0.0384	J
MW-30D	Offsite Wells	Deep	09/12/2023	MW-30D	22.4	0.0224	J
MW-30IL	Offsite Wells	Intermediate	10/12/2022	MW-30IL	115	0.115	J
MW-30IL	Offsite Wells	Intermediate	09/11/2023	MW-30IL	122	0.122	J
MW-30IU	Offsite Wells	Intermediate	10/11/2022	MW-30IU	322	0.322	
MW-30IU	Offsite Wells	Intermediate	09/11/2023	MW-30IU	175	0.175	J
MW-30S	Offsite Wells	Shallow	10/12/2022	MW-30S	3.67	0.00367	J
MW-30S	Offsite Wells	Shallow	09/11/2023	MW-30S	10.7	0.0107	J
MW-31IU	Offsite Wells	Intermediate	10/12/2022	MW-31IU	364	0.364	
MW-31IU	Offsite Wells	Intermediate	09/08/2023	MW-31IU	267	0.267	J
MW-31S	Offsite Wells	Shallow	10/12/2022	MW-31S	53.5	0.0535	
MW-31S	Offsite Wells	Shallow	09/08/2023	MW-31S	36.2	0.0362	J
MW-32S	Offsite Wells	Shallow	10/19/2022	MW-32S	899	0.899	
MW-33S	Offsite Wells	Shallow	07/12/2022	MW-33S	8.3	0.0083	J
MW-34D	Offsite Wells	Deep	10/17/2022	MW-34D	1270	1.27	
MW-34D	Offsite Wells	Deep	09/13/2023	MW-34D	1040	1.04	J
MW-34IL	Offsite Wells	Intermediate	10/17/2022	MW-34IL	534	0.534	J
MW-34IL	Offsite Wells	Intermediate	09/13/2023	MW-34IL	911	0.911	J
MW-35D	Offsite Wells	Deep	10/12/2022	MW-35D	30.6	0.0306	J
MW-35D	Offsite Wells	Deep	09/11/2023	MW-35D	56.7	0.0567	J
MW-35I	Offsite Wells	Intermediate	10/12/2022	MW-35I	48.9	0.0489	J
MW-35I	Offsite Wells	Intermediate	09/11/2023	MW-35I	50.7	0.0507	J
MW-36D	Offsite Wells	Deep	07/11/2022	MW-36D	5.83	0.00583	J
MW-36D	Offsite Wells	Deep	10/13/2022	MW-36D	0	0	U

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-36D	Offsite Wells	Deep	03/09/2023	MW-36D	0	0	U
MW-36D	Offsite Wells	Deep	06/29/2023	MW-36D	0	0	U
MW-36D	Offsite Wells	Deep	08/15/2023	MW-36D	0	0	U
MW-36D	Offsite Wells	Deep	09/13/2023	MW-36D	0.4	0.0004	J
MW-36D	Offsite Wells	Deep	11/15/2023	MW-36D	0	0	U
MW-37D	Offsite Wells	Deep	10/13/2022	MW-37D	820	0.82	
MW-37D	Offsite Wells	Deep	09/12/2023	MW-37D	792	0.792	J
MW-37S	Offsite Wells	Shallow	10/13/2022	MW-37S	81.2	0.0812	J
MW-37S	Offsite Wells	Shallow	09/12/2023	MW-37S	89.9	0.0899	J
MW-38D	Offsite Wells	Deep	07/12/2022	MW-38D	32.6	0.0326	J
MW-38D	Offsite Wells	Deep	10/13/2022	MW-38D	39	0.039	J
MW-38D	Offsite Wells	Deep	09/12/2023	MW-38D	112	0.112	
MW-39D	Offsite Wells	Deep	07/13/2022	MW-39D	1.35	0.00135	J
MW-39D	Offsite Wells	Deep	10/14/2022	MW-39D	1.04	0.00104	J
MW-39D	Offsite Wells	Deep	09/13/2023	MW-39D	3.67	0.00367	J
MW-39I	Offsite Wells	Intermediate	07/13/2022	MW-39I	1010	1.01	J
MW-39I	Offsite Wells	Intermediate	10/14/2022	MW-39I	1220	1.22	
MW-39I	Offsite Wells	Intermediate	09/13/2023	MW-39I	1080	1.08	J
MW-39S	Offsite Wells	Shallow	07/13/2022	MW-39S	4.88	0.00488	J
MW-39S	Offsite Wells	Shallow	10/14/2022	MW-39S	24.4	0.0244	J
MW-39S	Offsite Wells	Shallow	09/13/2023	MW-39S	15.3	0.0153	J
MW-4	Main Plant Area	Shallow	03/01/2022	MW-4_MS_20	5390	5.39	
MW-4	Main Plant Area	Shallow	03/01/2022	MW-4_MSD_20	5310	5.31	
MW-4	Main Plant Area	Shallow	03/01/2022	MW-4	3220	3.22	J
MW-40I	Offsite Wells	Intermediate	03/02/2022	MW-40I_MS_20	4060	4.06	
MW-40I	Offsite Wells	Intermediate	03/02/2022	MW-40I_MSD_20	3210	3.21	
MW-40I	Offsite Wells	Intermediate	03/02/2022	MW-40I	681	0.681	J
MW-40I	Offsite Wells	Intermediate	11/02/2022	MW-40I	1470	1.47	
MW-40S	Offsite Wells	Shallow	03/02/2022	MW-40S_MSD_20	2690	2.69	

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-40S	Offsite Wells	Shallow	03/02/2022	MW-40S_MS_20	2420	2.42	
MW-40S	Offsite Wells	Shallow	03/02/2022	MW-40S	472	0.472	J
MW-40S	Offsite Wells	Shallow	11/02/2022	MW-40S	352	0.352	
MW-40S	Offsite Wells	Shallow	11/02/2022	MW-40S_PDB	294	0.294	
MW-40S	Offsite Wells	Shallow	09/14/2023	MW-40S	150	0.15	J
MW-41D	Offsite Wells	Deep	07/12/2022	MW-41D	22.2	0.0222	J
MW-41D	Offsite Wells	Deep	10/13/2022	MW-41D	15.8	0.0158	J
MW-41D	Offsite Wells	Deep	09/12/2023	DUP_091223	27.8	0.0278	J
MW-41D	Offsite Wells	Deep	09/12/2023	MW-41D	29	0.029	J
MW-42D	Offsite Wells	Deep	07/11/2022	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	10/13/2022	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	03/09/2023	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	06/29/2023	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	08/17/2023	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	09/12/2023	MW-42D	0	0	U
MW-42D	Offsite Wells	Deep	11/17/2023	MW-42D	0	0	U
MW-43D	Offsite Wells	Deep	07/12/2022	MW-43D	26.2	0.0262	J
MW-43D	Offsite Wells	Deep	10/14/2022	MW-43D	40.6	0.0406	J
MW-43D	Offsite Wells	Deep	09/14/2023	DUP_091423	38.9	0.0389	J
MW-43D	Offsite Wells	Deep	09/14/2023	MW-43D	54.4	0.0544	J
MW-43I	Offsite Wells	Intermediate	07/12/2022	MW-43I	278	0.278	J
MW-43I	Offsite Wells	Intermediate	10/14/2022	MW-43I	268	0.268	
MW-43I	Offsite Wells	Intermediate	09/14/2023	MW-43I	292	0.292	J
MW-44D	Offsite Wells	Deep	10/14/2022	DUP_2022.10.14	0	0	U
MW-44D	Offsite Wells	Deep	10/14/2022	MW-44D	0	0	U
MW-5I	Main Plant Area	Intermediate	10/20/2022	MW-5I	1180	1.18	
MW-5X	Main Plant Area	Middle PRM	04/04/2023	MW-5X	0.2	0.0002	J
MW-5X	Main Plant Area	Middle PRM	08/09/2023	MW-5X	0	0	U
MW-5X	Main Plant Area	Middle PRM	11/27/2023	MW-5X	0.51	0.00051	J

Table 6. Bifunctional Surfactant Groundwater Results Summary

Well Location ID	Location Description	Aquifer Designation	Sample Date	Sample ID	Concentration (ng/L)	Concentration (µg/L)	Qualifier
MW-6I	Main Plant Area	Intermediate	11/01/2022	DUP_2022.11.01	1320	1.32	
MW-6I	Main Plant Area	Intermediate	11/01/2022	MW-6I	1100	1.1	J
MW-6I	Main Plant Area	Intermediate	11/27/2023	MW-6I	915	0.915	J
P-2S	Main Plant Area	Shallow	11/02/2022	P-2S	333	0.333	J
P-2S	Main Plant Area	Shallow	11/02/2022	DUP_2022.11.02	324	0.324	
P-3D	Dredge Spoil Area	Lower PRM	09/20/2022	P-3D	0	0	UJ
P-3D	Dredge Spoil Area	Lower PRM	08/08/2023	P-3D	535	0.535	J
P-3I	Dredge Spoil Area	Middle PRM	09/20/2022	P-3I	117	0.117	
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	DUP_080823	110	0.11	J
P-3I	Dredge Spoil Area	Middle PRM	08/08/2023	P-3I	638	0.638	J
P-6S	Main Plant Area	Shallow	11/02/2022	P-6S	164000	164	
P-6S	Main Plant Area	Shallow	09/14/2023	P-6S	19000	19	J
PZ-5	Dredge Spoil Area	Shallow	09/20/2022	PZ-5	52.8	0.0528	
PZ-6	Dredge Spoil Area	Shallow	11/03/2022	PZ-6	20.5	0.0205	J
PZ-8	Dredge Spoil Area	Shallow	10/19/2022	PZ-8	107	0.107	
PZ-8	Dredge Spoil Area	Shallow	09/14/2023	PZ-8	248	0.248	J

Notes:

There are no New Jersey State Maximum Contaminant Levels or Interim Specific Ground Water Quality Criteria for BFS.

Result represents the total of bifunctional surfactants (BFS) results. A result of zero indicates nondetect values for all BFS oligimers analyzed.

NJDEP GWQS = New Jersey Department of Environmental Protection Groundwater Quality Standard
ng/L = nanograms per liter (or parts per trillion, ppt)
µg/L = micrograms per liter (or parts per billion, ppb)
PRM = Potomac Raritan Magothy

Data Qualifiers:

J = estimated value
U = analyte not detected; the value reported is the method detection limit

Appendix A

Well Permits, Records, and Forms A and B

New Jersey Department of Environmental Protection
Site Remediation Program

MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Solvay Specialty Polymers USA, LLC

List all AKAs: Pennwalt Corp, Elf Atochem, Ausimont, and Solvay Solexis

Street Address: 10 Leonard Lane

Municipality: West Deptford (Township, Borough or City)

County: Gloucester Zip Code: 08086

Program Interest (PI) Number(s): 015010 Case Tracking Number(s): 22-04-08-1354-45

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner: Solvay Specialty Polymers USA, LLC
2. Well Location (Street Address): 1011 Cooper Street Deptford Township, New Jersey 08096
3. Well Location (Municipal Block and Lot) Block# N/A Lot # N/A

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing):	E202308840
2. Site Well Number as shown on application or plans):	MW-135S
3. Well Completion Date:	10/5/2023
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.50'
5. Total Depth of Well to the nearest ½ foot:	240.00'
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	230.00'
7. Screen Length (or length of open hole) in feet:	10
8. Screen or Slot Size:	0.010-slot
9. Screen or Slot Material:	#1 sand
10. Casing Material (PVC, steel, or other – specify):	PVC
11. Casing Diameter (inches):	2"
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	85.20'
13. Yield (gallons per minute):	0.73 gal/min
14. Development Techinque (specify):	Air Pump
15. Length of Time well is developed/pumped or bailed (hours and minutes):	5 hours

New Jersey Department of Environmental Protection
Site Remediation Program

MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Solvay Specialty Polymers USA, LLC

List all AKAs: Pennwalt Corp, Elf Atochem, Ausimont, and Solvay Solexis

Street Address: 10 Leonard Lane

Municipality: West Deptford (Township, Borough or City)

County: Gloucester Zip Code: 08086

Program Interest (PI) Number(s): 015010 Case Tracking Number(s): 22-04-08-1354-45

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner: Solvay Specialty Polymers USA, LLC
2. Well Location (Street Address): 1011 Cooper Street Deptford Township, New Jersey 08096
3. Well Location (Municipal Block and Lot) Block# N/A Lot # N/A

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing):	E202308840
2. Site Well Number as shown on application or plans):	MW-135S
3. Well Completion Date:	10/5/2023
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.50'
5. Total Depth of Well to the nearest ½ foot:	240.00'
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	230.00'
7. Screen Length (or length of open hole) in feet:	10
8. Screen or Slot Size:	0.010-slot
9. Screen or Slot Material:	#1 sand
10. Casing Material (PVC, steel, or other – specify):	PVC
11. Casing Diameter (inches):	2"
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	85.20'
13. Yield (gallons per minute):	0.73 gal/min
14. Development Techinque (specify):	Air Pump
15. Length of Time well is developed/pumped or bailed (hours and minutes):	5 hours

New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: SOLVAY SPECIALTY POLYMERS USA, LLC

List all AKAs: PENNWALT CORP., ELF ALTOCHEM, AUSIMONT, SOLVAY SOLEXIS

Street Address: 10 LEONARD LN

Municipality: WEST DEPTFORD (Township, Borough or City)

County: GLOUCESTER Zip Code: 08086

Program Interest (PI) Number(s): 015010 Case Tracking Number(s): 22-04-08-1354-45

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner: Deptford Township
2. Well Location (Street Address): Hamilton Road
3. Well Location (Municipal Block and Lot) Block# ROW Lot # ROW

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E202308840
2. Site Well Number (As shown on application or plans): MW-135S
3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:
   Latitude: North 39°48'10.91" Longitude: West 75°09'49.18"
4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:
   North 353861 East 305677
5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 54.16
   Elevation Top of Outer casing: 54.47 Elevation of ground: 54.51 PAVE
   Check one: ☒ NAVD 88 ☐ NVGD29 ☐ On Site Datum ☐ Other
6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).
   BENCHMARK: NJGC CORS ARP.
   ELEV.= 95.23' (NAVD 88)
7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

SEAL

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature: Date 11/06/2023

Surveyor's Name: James J. Heiser License Number: 24GS04331100

Firm Name: DPK Consulting, LLC Certificate of Authorization #: 24GA28042200

Mailing Address 200 Metroplex Drive, Suite 285

City/Town: Edison State New Jersey Zip Code: 08817

Phone Number 732.764.0100 Ext.: Fax: 732.764.0990

New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: SOLVAY SPECIALTY POLYMERS USA, LLC

List all AKAs: PENNWALT CORP., ELF ALTOCHEM, AUSIMONT, SOLVAY SOLEXIS

Street Address: 10 LEONARD LN

Municipality: WEST DEPTFORD (Township, Borough or City)

County: GLOUCESTER Zip Code: 08086

Program Interest (PI) Number(s): 015010 Case Tracking Number(s): 22-04-08-1354-45

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner: Deptford Township
2. Well Location (Street Address): Hamilton Road
3. Well Location (Municipal Block and Lot) Block# ROW Lot # ROW

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E202308841
2. Site Well Number (As shown on application or plans): MW-135D
3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:
   Latitude: North 39°48'10.82" Longitude: West 75°09'49.22"
4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:
   North 353852 East 305674
5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 53.98
   Elevation Top of Outer casing: 54.27 Elevation of ground: 54.31 PAVE
   Check one: ☒ NAVD 88 ☐ NVGD29 ☐ On Site Datum ☐ Other
6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).
   BENCHMARK: NJGC CORS ARP.
   ELEV.= 95.23' (NAVD 88)
7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

SEAL

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature: Date 11/06/2023

Surveyor's Name: James J. Heiser License Number: 24GS04331100

Firm Name: DPK Consulting, LLC Certificate of Authorization #: 24GA28042200

Mailing Address 200 Metroplex Drive, Suite 285

City/Town: Edison State New Jersey Zip Code: 08817

Phone Number 732.764.0100 Ext.: Fax: 732.764.0990

New Jersey State Department of Environmental Protection
Bureau of Water Allocation and Well Permitting
Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E202308840

MONITORING WELL RECORD

PROPERTY OWNER: DEPTFORD TOWNSHIP

Company/Organization: Deptford Township

Address: 1011 Cooper Street Deptford Twp, New Jersey 08096

WELL LOCATION: Solvay Specialty Polymers USA

Address: Hamilton Rd

County: Gloucester Municipality: Deptford Twp Lot: ROW Block: ROW

Easting (X): 305677 Northing (Y): 353861
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: October 2, 2023

DATE WELL COMPLETED: October 5, 2023

WELL USE: MONITORING

Other Use(s):

Local ID: MW-135S

WELL CONSTRUCTION

Total Depth Drilled (ft.): 240 Finished Well Depth (ft.): 240 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	50	8		
Borehole	50	240	6		
Casing	0	230	2	PVC	sch 80
Screen	230	240	2	PVC	sch 80

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	50	8	2	65	1200	68
Grout	50	225	6	2	13	2500	140
Gravel Pack	225	228	6	2	#00		
Gravel Pack	228	240	6	2	#1		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Sonic

ADDITIONAL INFORMATION

Protective Casing: No
Static Water Level: 80 ft. below land surface
Water Level Measure Tool: M Scope
Well Development Period: 6 hrs.
Method of Development: Pump
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid:
Drill Rig: Terra Sonic
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG
0 - 10: Orange GM - Silty gravels, gravel-sand-silt mixtures
10 - 30: Gray SM - Silty sands, sand-silt mixtures
30 - 190: Dark Gray CL - Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
190 - 230: Tan SC - Clayey sands, sand-clay mixtures
230 - 240: Tan GP - Poorly graded gravels and gravel-sand mixtures, little or no fines

ADDITIONAL INFORMATION:

Driller of Record: Bo Tyler Crandell, ENV RESOURCE GEOTEC LICENSE # 754314 Company: SUMMIT DRILLING, LLC

New Jersey State Department of Environmental Protection
Bureau of Water Allocation and Well Permitting
Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E202308840

WELL PERMIT

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: RICHARD L DAVIS, JOURNEYMAN LICENSE # 0022657

Permit Issued to: SUMMIT DRILLING, LLC

Company Address: 81A CHIMNEY ROCK RD BRIDGEWATER TWP, NJ 08805

PROPERTY OWNER

Name: DEPTFORD TOWNSHIP

Organization: Deptford Township

Address: 1011 Cooper Street

City: Deptford Twp State: New Jersey Zip Code: 08096

PROPOSED WELL LOCATION

Facility Name: Solvay Specialty Polymers USA

Address: Hamilton Rd

County: Gloucester Municipality: Deptford Twp Lot: ROW Block: ROW

Easting (X): 305671 Northing (Y): 353867
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: MW-135S

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s):

Diameter (in.): 2

Regulatory Program Requiring Wells/Borings:

Depth (ft.): 325

Case ID Number: Integral Deptford

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Sonic

Attachments:

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: August 25, 2023
Expiration Date: August 24, 2024

Approved by the authority of:
Shawn M. LaTourette
Commissioner

Jennifer E. Myers

Jennifer Myers, Section Chief
Bureau of Water Allocation and Well Permitting

New Jersey State Department of Environmental Protection
Bureau of Water Allocation and Wells
PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E202308840

WELL PERMIT

New Well

DEVIATION INFORMATION	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

GENERAL CONDITIONS/REQUIREMENTS
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

New Jersey State Department of Environmental Protection
Bureau of Water Allocation and Well Permitting
Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E202308841

WELL PERMIT

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: RICHARD L DAVIS, JOURNEYMAN LICENSE # 0022657

Permit Issued to: SUMMIT DRILLING, LLC

Company Address: 81A CHIMNEY ROCK RD BRIDGEWATER TWP, NJ 08805

PROPERTY OWNER

Name: DEPTFORD TOWNSHIP

Organization: Deptford Township

Address: 1011 Cooper Street

City: Deptford Twp State: New Jersey Zip Code: 08096

PROPOSED WELL LOCATION

Facility Name: Solvay Specialty Polymers USA

Address: Hamilton Rd

County: Gloucester Municipality: Deptford Twp Lot: ROW Block: ROW

Easting (X): 305689 Northing (Y): 353865
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: MW-135D

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s):

Diameter (in.): 2

Regulatory Program Requiring Wells/Borings:

Depth (ft.): 325

Case ID Number: Integral Deptford

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Sonic

Attachments:

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: August 25, 2023
Expiration Date: August 24, 2024

Approved by the authority of:
Shawn M. LaTourette
Commissioner

Jennifer E. Myers

Jennifer Myers, Section Chief
Bureau of Water Allocation and Well Permitting

New Jersey State Department of Environmental Protection
Bureau of Water Allocation and Wells
PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E202308841

WELL PERMIT

New Well

DEVIATION INFORMATION	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

GENERAL CONDITIONS/REQUIREMENTS
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
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All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
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If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

New Jersey State Department of Environmental Protection
Bureau of Water Allocation and Well Permitting
Mail Code 401-04Q PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E202308841

MONITORING WELL RECORD

PROPERTY OWNER: DEPTFORD TOWNSHIP

Company/Organization: Deptford Township

Address: 1011 Cooper Street Deptford Twp, New Jersey 08096

WELL LOCATION: Solvay Specialty Polymers USA

Address: Hamilton Rd

County: Gloucester Municipality: Deptford Twp Lot: ROW Block: ROW

Easting (X): 305689 Northing (Y): 353865
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: September 11, 2023

DATE WELL COMPLETED: September 29, 2023

WELL USE: MONITORING

Other Use(s):

Local ID: MW-135D

WELL CONSTRUCTION

Total Depth Drilled (ft.): 290 Finished Well Depth (ft.): 274 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	210	8		
Borehole	210	290	6		
Casing	0	264	2	PVC	sch 80
Screen	264	274	2	PVC	Sch 80

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	210	8	2	27	5100	285
Grout	210	259	6	2	36	690	59
Grout	275	290	6	0	1	210	12
Gravel Pack	259	262	6	2	#00		
Gravel Pack	262	275	6	2	#1		

Grouting Method: Pressure method (Tremie Pipe) Drilling Method: Sonic

ADDITIONAL INFORMATION

Protective Casing: No
Static Water Level: 40 ft. below land surface
Water Level Measure Tool: m-scope
Well Development Period: 3 hrs.
Method of Development: submersible
Pump Type:

Pump Capacity: _ gpm
Total Design Head: _ ft.
Drilling Fluid:
Drill Rig: terra sonic
Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG
0 - 20: orange SM - Silty sands, sand-silt mixtures SM/CL
20 - 30: grey SM - Silty sands, sand-silt mixtures SM/GM
30 - 190: dark grey CL - Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays CL
190 - 274: light brown GM - Silty gravels, gravel-sand-silt mixtures GM/SM
274 - 290: red/white CL - Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays CL

ADDITIONAL INFORMATION:

Driller of Record: Bo Tyler Crandell, ENV RESOURCE GEOTEC LICENSE # 754314 Company: SUMMIT DRILLING, LLC

Appendix B

Groundwater Sampling Logs

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MH-2D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 14.57
Date: 11/27/23	**Well Depth (ft):** 54'	**DTW (After Pump Placement):** 14.60
Sampler: KB	**Well Diameter:** 4 in	**Column Height:** 39.43
Weather: Sunny 47°F	**Screen Interval:** 40-50'	**Start Purge:** 1500
	Pump Intake Depth (ft): 45'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double Bonded 45'	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1500	5.93	330.8	19.72	3.16	16.7	182.4	215	14.60	* adjusted flow rate
1505	6.01	327.7	5.96	1.93	16.6	192.9	250	14.60	
1510	6.01	327.6	2.82	0.53	16.9	193.8	250	14.60	
1515	6.01	327.4	6.36	0.32	16.7	196.0			
1520	6.01	326.9	6.95	0.38	16.8	197.4			
1525	6.01	326.8	7.70	0.24	16.6	199.0			
1530	6.01	326.5	8.04	0.21	16.7	200.4			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI DSS # 23F102626

Comments: MH-2D sampled @ 1535

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 15.75
Date: 11/27/23	**Well Depth (ft):** 110.2	**DTW (After Pump Placement):** 15.77
Sampler: KD	**Well Diameter:** 4 in	**Column Height:** 94.45
Weather: Partly Cloudy 50°F	**Screen Interval:** 93-103	**Start Purge:** 13:07
	Pump Intake Depth (ft): ~~98~~ 98	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double Bonded 98 ft	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1310	4.66	301.6	3.77	1.31	15.8	213.2	~300	15.77	
1315	4.59	301.7	3.71	0.65	15.5	226.5	150	15.77	lowered PK w/ compression
1320	4.61	300.7	4.01	0.56	15.3	223.9	145	15.77	
1325	4.92	300.2	4.85	0.53	15.5	221.1	145	15.77	
1330	4.62	300.4	4.56	0.49	15.9	218.0			
1335	4.68	301.2	4.62	0.48	15.7	216.8			
1340	4.62	301.6	5.09	0.45	15.3	215.6			
~~1345~~									
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI DSS # 23F10 2026

Comments:

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a N... based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-5I	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 16.87
Date: 11/17/23	**Well Depth (ft):** 71'	**DTW (After Pump Placement):** 16.85
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 54.15
Weather: 52°F, Sunny	**Screen Interval:** 60-70	**Start Purge:** 9:20
	Pump Intake Depth (ft): 65'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Dedk: 6 s	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
~~9:25~~	4.17	.182	19.21	1.28	16.3	106.1	200	16.85	
9:30	3.83	.221	44.72	0.67	16.2	126.5	200	16.85	
~~9:35~~	3.83	.220	81.37	0.55	16.4	169.5	200	16.85	
9:40	3.81	.222	66.36	0.49	16.3	185.2	200		
~~9:45~~	3.81	.224	55.35	0.45	16.5	209.1	200		
9:50	3.81	.224	48.11	0.42	16.5	215.6	200		
~~10:00~~ 9:55	3.81	.224	44.55	0.40	16.5	220.1	200		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20C100828

Comments: 10:00 - collected Sample

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-5X	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 20.05
Date: 11/27/23	**Well Depth (ft):** 202.45	**DTW (After Pump Placement):** 20.00
Sampler: LeB	**Well Diameter:** 2in	**Column Height:** ~~182.4~~ 182.4'
Weather: Sunny, Partly Cloudy 46°F	**Screen Interval:** 187'-197'	**Start Purge:** 11:50
	Pump Intake Depth (ft): 192	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 192' Double Bonded	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
~~1145~~ 1150	7.97	490.8	9.91	4.22	15.4	-81.4	250	20.00	
1155	14.03	484.0	~~8.15~~ 7.15	3.46	15.5	-80.4	250	20.00	lowered PR on controller (no effect)
1200	7.08	~~482.9~~	8.16	1.21	15.4	-96.6	~~250~~	~~20.00~~	
1205	7.06	482.8	9.65	0.80	15.4	-103.0	250		
1210	7.07	482.7	~~11.41~~	0.54	15.4	-112.0			
1215	7.08	482.9	12.53	0.46	15.4	-114.6			
1220	7.09	482.8	16.20	0.39	15.3	-117.7			
	+/- 0.1 S.U.	*+/- 3%*	*+/-10% OR < 5 NTU*	*+/-10%*	*+/-3%*	*+/-10mV*	*<500 mL/min*	*+/- 0.3 ft*	

Rental Equipment Details (Serial/Vendor): YSI DSS # 23F102626

Comments:

MW-5X sampled @ 1225

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-6I	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 16.85 ftoc (3ft PVC Riser)
Date: 11/27/23	**Well Depth (ft):** 71.5 ftoc	**DTW (After Pump Placement):** 17.00 ftoc
Sampler: MS	**Well Diameter:** 2"	**Column Height:** 54.65 ftoc
Weather: 49°F, M. cloudy, 10mph NW Wind	**Screen Interval:** 61.5 - 71.5	**Start Purge:** 1226
	Pump Intake Depth (ft): ~67 ftoc	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** ~~3/8~~ 1/4" HDPE Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1230	3.62	0.421	66.19	4.31	14.6	73.4	300	16.75	
1235	3.58	0.447	63.95	1.61	14.5	92.3	300	16.75	
1240	3.66	0.449	66.23	1.22	14.6	90.8	300	16.75	
1245	3.70	0.452	76.50	0.87	14.6	89.8	300	16.75	
1250	3.69	0.455	25.59	0.54	14.7	88.9	200	16.75	
1255	3.73	0.454	26.58	0.55	14.7	84.9	200	16.75	
1300	3.73	0.456	27.58	0.47	14.5	84.0	200	16.75	
1305	SAMPLED for Method 1633, MFS-IDA, BFS-IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 23F103106

Comments:

ftoc = feet top of casing

1248: MS inverts YSI flow cell to reduce air bubbles & decreases purge rate to 200 mL/min.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-10I	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 15.86ftoc
Date: 11/27/23	**Well Depth (ft):** 42.4ftoc	**DTW (After Pump Placement):** ~~26~~ 16.45ftoc
Sampler: MS	**Well Diameter:** 4" 2"	**Column Height:** 26.54ft
Weather: 48°F, M. Cloudy, 17mph NW winds	**Screen Interval:** 33-43 ftoc	**Start Purge:** 1412
	Pump Intake Depth (ft): 38ftoc	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 37ft DB Poly. +6ft extra = 43ft	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1415	5.50	0.548	68.10	2.82	15.6	191.6	400	15.85	
1420	5.37	0.551	41.16	2.74	15.7	205.6	400	15.85	
1425	5.38	0.551	27.09	2.86	15.7	209.8	400	15.85	
1430	5.40	0.551	25.80	3.12	15.5	217.2	200	15.85	
1435	5.41	0.552	19.44	3.09	15.6	221.1	200	15.85	
1440	5.41	0.552	18.44	3.06	15.6	223.4	200	15.85	
1445	5.42	0.551	19.23	3.09	15.4	226.7	200	15.85	
1450	SAMPLED FOR		method	1633, MFS_IDA, PFS_IDA					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 23F103106

Comments:

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-10X	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 20.05 ftoc
Date: 11/27/23	**Well Depth (ft):** 205 ftoc	**DTW (After Pump Placement):** 20.10 ftoc
Sampler: MJ	**Well Diameter:** 2"	**Column Height:** 184.95 ft
Weather: 45°F, m. cloudy, 17mph WNW winds	**Screen Interval:** 190 - 205 ftoc	**Start Purge:** 1537
	Pump Intake Depth (ft): 197 ftoc	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 30ft HDPE Drop + 172ft DB poly (6ft extra)	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1540	7.04	0.506	3.86	5.47	13.7	-184.2	200	20.09	
1545	6.43	0.538	1101.43	0.92	14.4	-147.1	200	20.09	v. gray/turbid
—	Flow cell emptied ° low - flow continues					—	—	—	
1600	6.47	0.539	426.42	2.64	14.2	-54.1	200	20.09	
1605	6.36	0.541	260.20	0.47	14.3	-62.9	200	20.09	
1610	6.36	0.540	155.71	0.28	14.4	-65.3	200	20.09	
1615	6.36	0.540	91.55	0.19	14.4	-65.9	200	20.09	
1620	6.36 ✓	0.540 ✓	71.04	0.16 ✓	14.3 ✓	-66.6 ✓	200 ✓	20.09 ✓	
1625	SAMPLED FOR Method 1633, MFS-IDA, BFS IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 23F103106 from US. Env.

Comments:

1540: Rotten egg odor from purged water. Offensive.
1545: Purged water gray + turbid (+1,000 NTU); MJ empties flow cell and allows MW-10X to purge disconnected from YSI to prevent probe damage.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

1622: Onsite Safe Work Permit expired @1600. MJ sampling MW-10X w/Turbidity not fully stable. Sunset @ ~1638

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-16S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 11.9'
Date: 11/29/23	**Well Depth (ft):** 24'	**DTW (After Pump Placement):** 11.88'
Sampler: R. Mignona/D. Morales	**Well Diameter:** 4"	**Column Height:** 11.91
Weather: 36°F, windy	**Screen Interval:** 14'-24'	**Start Purge:** 1408
	Pump Intake Depth (ft): 17'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 17' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1410	7.02	.390	205.3	7.76	16.8	66.4	200	11.75	
1415	6.76	.384	179.9	7.65	17.0	61.9	200	11.75	
1420	6.72	0.401	166.2	7.66	16.8	74.3			
1425	6.75	0.400	167.1	7.67	16.9	77.2			
1430	6.72	0.398	177.7	7.67	17.1	82.0			
1435	6.73	0.394	224.3	7.73	17.0	83.1			
1440	6.73	0.391	240.1	7.78	17.1	84.1			
1445	6.77	0.391	238.2	7.79	17.0	86.6			
1450	6.77	0.364	302.8	7.72	16.5	83.4	120		
1500	6.77	0.370	297.3	7.80	16.3	89.3			
1505	6.78	0.371	317.1	7.77	16.5	91.4			
1510	6.79	0.370	340.8	7.78	16.3	94.9			
1515	6.77	0.433	170.1	8.28	16.0	106.0			
1520	6.80	0.448	136.4	8.34	16.0	118.4			
1525	6.87	0.452	134.0	8.29	15.9	123.3			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 18D100748 YSI ProDSS

Comments:

lowered purge rate @ 1450
raised pump to ~15' @ 1512
Sampled 1530

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-19D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 17.08
Date: 11/17/23	**Well Depth (ft):** 135	**DTW (After Pump Placement):** 1710
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 117.99
Weather: 42° F fog	**Screen Interval:** 120-130	**Start Purge:** 7:50
	Pump Intake Depth (ft): 125	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double : 125	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:05	4.80	0.2677	3.31	0.86	14.4	43.7	200	17.10	
8:10	4.76	0.2638	2.86	0.98	14.6	43.8	200	17.08	
8:15	4.73	0.2624	3.40	1.02	14.6	42.5	200	17.08	
8:20	4.73	0.2618	5.00	1.08	14.7	39.0	200	17.08	
8:25	4.71	0.2613	3.91	1.07	14.7	38.0	200	—	
8:30	4.70	0.2610	5.05	1.12	14.8	36.5	200	—	
8:35	4.79	0.2607	5.03	1.09	14.8	35.8	200	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 21E100824

Comments: 8:45 - Sample Collected

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-19I	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 17.20
Date: 11/17/23	**Well Depth (ft):** 99.5	**DTW (After Pump Placement):** 17.23
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 82.27
Weather: 42°F fog	**Screen Interval:** 85-95	**Start Purge:** 8:00
	Pump Intake Depth (ft): 90	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double: 89 Drop: 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:05	4.08	.412	16.37	1.23	14.3	129.8	240	17.23	
8:10	3.97	.422	17.95	0.51	14.7	145.2	240	17.23	
8:15	3.96	.423	26.71	0.43	14.4	149.1	240	17.23	
✱ 8:20	3.96	.423	91.19	0.37	14.4	152.0	240	17.23	
8:25	3.96	.424	20.31	0.36	14.4	153.0	240		
8:30	3.96	.424	24.55	0.34	14.5	152.9	240		
8:35	3.96	.424	25.31	0.32	14.5	152.7	240		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 21F105731

Comments:

✱ 8:20 - Jostled YSI to release the bubbles. Turbidity dropped to 16.11.

8:40 - Collected sample

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-19S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 17.15
Date: 11/16/23	**Well Depth (ft):** 25.85	**DTW (After Pump Placement):** 17.2
Sampler: AB/CT	**Well Diameter:** 2"	**Column Height:** 8.7'
Weather: 60°F Sun	**Screen Interval:** 10-20'	**Start Purge:** 12:08
	Pump Intake Depth (ft): 18.5	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Dup: 1 Dup24: 17.5	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
12:10	4.58	0.1354	300.68	8.31	16.0	215.9	150	17.2	
12:15	4.42	0.1357	137.16	8.05	15.9	306.9	150	17.2	
12:20	4.37	0.1362	87.55	8.07	15.9	332.7	150	17.2	
12:25	4.38	0.1362	91.38	8.11	15.9	340.7	150	—	
12:30	4.39	0.1361	61.08	8.11	15.8	350.8	150	—	
12:35	4.38	0.1362	63.97	8.16	15.7	357.8	150	—	
12:40	4.37	0.1364	38.77	8.16	15.7	362.7	150	—	
12:45	4.36	0.1365	38.80	8.17	15.8	362.3	150	—	
12:50	4.37	0.1367	30.52	8.19	15.8	364.9	150	—	
12:55	4.36	0.1367	29.04	8.19	15.8	364.2	150	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): DSS Pro YSI 21F105731

Comments:

NOTE: Sections highlighted in green MUST be completed!!

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-19X	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 22.18
Date: 11/16/23	**Well Depth (ft):** 208.90	**DTW (After Pump Placement):** 22.13
Sampler: AB/CE	**Well Diameter:** 4	**Column Height:** 186.72'
Weather: 60°F Sun	**Screen Interval:** 187.5 - 197.5	**Start Purge:** 12:15
	Pump Intake Depth (ft): 188	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double : 188	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
12:20	11.58	.635	16.62	1.10	15.5	-154.90	200	22.13	
12:25	11.60	.639	19.32	0.54	15.4	-177.30	200	22.13	
12:30	11.63	.524	20.26	0.44	15.5	-195.3	200	22.13	
12:35	11.65	.642	21.70	0.41	15.3	-264.1	200		
12:40	11.65	.524	21.25	0.39	15.4	-208.1	200		
12:45	11.66	.641	21.26	0.38	15.4	-211.0	200		
12:50	11.67	.642	20.88	0.36	15.4	-214.1	200		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20E1008828

Comments: 13:00 - Sample Collected

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

NOAA Billingsport, NJ Tide Predictions 11/29/23

Time	Tide	Depth
0832	L	0.32ft
1403	H	6.30ft

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-22X	1st 20.40
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** ~~20.40~~ ftoc
Date: 11/29/23	**Well Depth (ft):** 247	**DTW (After Pump Placement):** 14.35ftoc
Sampler: MJS	**Well Diameter:** 2"	**Column Height:** 226.6
Weather: 31°F, Fair, 5mph Wind	**Screen Interval:** 232-247ftoc	**Start Purge:** 1046
	Pump Intake Depth (ft): 239ftoc	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 40ft HDPE Drop + 205ft DB poly (6ft excess)	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1050	6.53	0.276	125.82	5.66	11.8	185.5	230	14.35 ftoc	suspended solids observed
1055	6.50	0.333	32.84	2.38	12.5	-25.8	280	14.02	
1100	6.57	0.478	465.65	1.53	12.7	-31.6	280	–	v. cloudy
1105	6.58	0.503	571.20	1.45	12.3	-32.2	160	19.45	v. cloudy
1107	MJS	empties	Flow cell	–	–	–	–	–	–
1110	6.59	0.514	555.99	2.48	12.2	-21.2	160	20.56	v. cloudy
1115	6.66	0.444	599.86	0.87	12.3	-35.5	160	21.50	v. cloudy
1120	6.69	0.407	426.45	0.72	12.2	-44.2	160	21.81	v. cloudy ← peak low DTW ftoc
1125	6.70	0.393	299.52	0.59	12.3	-51.2	160	17.00	cloudy
1130	6.71	0.404	179.11	0.54	12.6	-55.0	160	15.91	cloudy
1135	6.69	0.435	229.59	0.47	12.4	-54.4	160	15.29	cloudy
1137	MJS	empties	Flow cell	–	–	–	–	–	–
1140	6.58	0.535	462.41	2.82	12.3	-25.6	160	14.80	v. cloudy
1145	6.52	0.550	348.18	0.70	12.4	-22.0	160	14.70	v. cloudy
1150	6.51	0.562	288.51	0.50	12.4	-22.1	160	14.50	v. cloudy
1155	6.50	0.573	243.45	0.40	12.5	-22.7	160	14.25	cloudy
1200	6.56	0.577	208.41	0.36	12.6	-23.5	160	14.15	cloudy
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 23F102626 from U.S. Env.

Comments: ~3ft of PVC riser

1105: MJS swaps out WLM to confirm DTW. DTW before pump = 20.40ftoc; after DTW = 14.35 ftoc; DTW @ 1105 = 19.45ftoc. P-25 also being sampled concurrently. P-25 and MW-22X just ~east of Little Mantua Creek

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

NOAA Billingsport, NJ Tide Predictions 11/29/23

Time	Tide	Depth
0532	L	0.32ft
1403	H	6.30ft

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-22X	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 20.40ftoc
Date: 11/29/23	**Well Depth (ft):** 247 ftoc	**DTW (After Pump Placement):** 14.35 ftoc
Sampler: MS	**Well Diameter:** 2"	**Column Height:** 226.6
Weather: 31°F, Fair, 8 mph W w/mis	**Screen Interval:** 232-247 ftoc	**Start Purge:** 1046
	Pump Intake Depth (ft): 239 ftoc	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 40ft HDPE Drop + 205ft DB Poly (10ft extra)	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft ~~bgs~~)	Notes
1205	6.50	0.579	192.04	0.33	12.5	-24.4	160	14.02	
1210	6.50	0.583	173.95	0.31	12.6	-25.3	160	13.92	
1215	6.51	0.584	170.41	0.29	12.5	-26.4	160	13.82	← peak high DTW
1220	6.51	0.585	159.64	0.27	12.6	-28.0	160	19.64	
1225	6.52	0.583	142.78	0.26	12.6	-29.5	160	20.50	
1230	6.53	0.582	241.17	0.25	12.7	-32.1	160	21.02	← Pump Peak low DTW Turb increase
1235	6.68	0.567	319.71	0.25	12.5	-45.0	160	18.01	DTW decreasing; pH inc.
1240	6.71	0.552	272.54	0.24	12.6	-49.6	160	16.09	
1245	6.71	0.528	214.02	0.23	12.7	-52.6	160	15.40	
1250	6.65	0.552	259.07	0.22	12.7	-48.3	160	14.90	← Turb. increase
1255	6.52	0.585	316.46	0.21	12.7	-37.7	160	14.55	
1300	6.49	0.594	204.38	0.20	12.6	-33.7	160	14.32	← Turb. decrease
1305	6.49	0.598	146.07	0.19	12.6	-32.7	160	14.07	
1306	SAMPLED for method 1633, MFS_IDA, BFS_IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 23F102626 from US. Env.

Comments:
See Page 1

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-24D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 6.19'
Date: 11/28/23	**Well Depth (ft):** ~~83~~ 73'	**DTW (After Pump Placement):** 6.5'
Sampler: R. Mignone	**Well Diameter:** 2"	**Column Height:** ~~83~~ 66.51'
Weather: 38°F Windy	**Screen Interval:** 63-73'	**Start Purge:** 1333
	Pump Intake Depth (ft): 68'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 68' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1335	5.58	.132	2.97	3.71	12.6	80.5	140	6.5	
1340	4.57	.129	1.09	1.48	12.9	140.7	140	6.5	
1345	4.51	.130	1.03	1.07	13.1	138.8	140	6.5	
1350	4.47	.130	1.13	.93	13.1	133.2	140	6.5	
1355	4.46	.130	1.08	.86	13.1	127.0	140	6.5	
1400	4.44	.130	1.68	.77	13.1	121.4	140	6.5	
1405	4.42	.131	2.6	.77	12.9	119.8	140	6.5	
1410	4.40	.131	2.62	.76	13.1	119.8	140	6.5	
1415	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 23F102622 YSI ProDSS

Comments:

Sampled @ 1415

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-24I	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 6.25
Date: 11/28/23	**Well Depth (ft):** ~~48~~ ~~49~~ 53	**DTW (After Pump Placement):** 6.24
Sampler: DM	**Well Diameter:** 2"	**Column Height:** 46.75'
Weather: 38° windy	**Screen Interval:** 43-53	**Start Purge:** 1330
	Pump Intake Depth (ft): 48	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double horsf	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1335	5.85	0.227	14.6	~~6.93~~	13.7	194.1	500	6.34	—
1340	5.76	0.223	43.0	4.54	13.7	176.8		6.34	
1345	5.67	0.219	55.3	3.93	13.4	195.3			
1350	5.58	0.217	~~40~~ 85.2	3.26	13.6	213.5		6.43	
1355	5.49	0.217	139.1	2.97	13.7	216.3			
1400	5.47	0.220	133.2	2.14	13.2	196.2	175	6.50	
1405	5.44	0.217	150.0	2.23	13.3	199.2	175		
1410	5.43	0.218	128.6	2.12	13.2	193.1	175		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 18C105176 YSI Pro Plus

Comments: lowered purge rate @ 1358 to 175 Samples @ 1415

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-33S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 20.75'
Date: 11/17/23	**Well Depth (ft):** 38.2'	**DTW (After Pump Placement):** 20.74'
Sampler: R. Mignone	**Well Diameter:** 2"	**Column Height:** 17.25'
Weather: 58°F, Partly Cloudy	**Screen Interval:** 18'-38'	**Start Purge:** 1055
	Pump Intake Depth (ft): 28'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 28' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1200	3.43	1.169	48.7	7.98	15.6	367.1	150	20.8	
1105	3.39	1.140	53.6	8.8	15.5	369.3	150	20.8	
1110	3.39	1.108	54.77	8.87	15.4	367.2	150	20.8	
1115	3.4	1.040	48.53	8.97	15.4	364.3	150	20.8	
1120	3.41	.959	42.76	9.05	15.4	361.1	150	20.8	
1125	3.42	.909	37.42	9.09	15.4	359.4	150	20.81	
1130	3.43	.882	34.53	9.11	15.3	358.4	150	20.81	
1135	3.43	.852	29.78	9.11	15.3	357.9	150	20.81	
1140	3.44	.816	27.63	9.12	15.3	357.6	150	20.8	
1145	3.44	.797	25.1	9.14	15.3	357.6	150	20.8	
1150	3.44	.778	22.08	9.16	15.3	357.8	150	20.8	
1155	3.45	.776	22.10	9.14	15.3	350.5	150	20.8	
1200	3.46	.775	22.45	9.12	15.3	360.9	150	20.8	
POS	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI Pro DSS

Comments:

Sampled @ 1205

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-36D	45.37
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** ~~35.37~~
Date: 11/15/23	**Well Depth (ft):** 217.60	**DTW (After Pump Placement):** 45.36
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 172.24
Weather: 47° F	**Screen Interval:** 196 - 206	**Start Purge:** 11:02
PARTLY CLOUDY	**Pump Intake Depth (ft):** 203.5	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 200 Drop: 4	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:10	6.35	.359	10.31	2.01	13.0	-69.7	150	45.36	
11:15	6.34	.723	8.36	0.77	13.3	-76.7	150	45.32	
11:20	6.38	.732	10.05	0.50	13.4	-75.7	150	45.36	
11:25	6.39	.735	10.60	0.41	13.2	-75.8	150	45.36	
11:30	6.39	.737	10.46	0.37	13.3	-75.7	150		
11:35	6.39	.738	10.83	0.34	13.3	-75.4	150		
11:40	6.40	.739	13.09	0.31	13.3	-76.6	150		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 21F105771

Comments: Sampled @ 11:45

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-401	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 12.91
Date: 11/27/23	**Well Depth (ft):** 60	**DTW (After Pump Placement):** 12.95
Sampler: DM	**Well Diameter:** 2"	**Column Height:** 47.09'
Weather: 46° mostly sunny	**Screen Interval:** 15-60	**Start Purge:** 1145
	Pump Intake Depth (ft): 53'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bonded	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1150	5.53	260.4	195.44	3.87	14.7	84.3	252.37	12.38	
1155	5.47	254.7	157.72	4.0	14.6	100.3		12.65	milky water
1200	5.42	258.8	181.25	4.25	14.5	106.2		12.78	
1205	5.41	258.6	164.20	4.15	14.5	104.3		12.74	
1210	5.39	258.5	147.53	3.95	14.5	104.6		12.80	
1215	5.39	258.4	133.58	3.79	14.4	108.4		12.85	12.85
1220	5.39	258.0	124.01	3.69	14.4	106.9		12.85	
1225	5.20	259.1	90.49	3.21	14.4	106.5		12.87	
1230	5.26	259.0	82.56	3.08	14.4	104.7		12.87	
1235	5.20	258.9	83.60	3.05	14.4	103.9		12.87	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): ~~18F100181~~ 23F102622 YSI ProDSS

Comments:

Shook bubbles from YSI @ ~ 1225 Sampled @ 1240

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-40S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 12.76'
Date: 11/27/23	**Well Depth (ft):** 25'	**DTW (After Pump Placement):** 12.8'
Sampler: R Mignona	**Well Diameter:** 2"	**Column Height:** 12.24'
Weather: 47°F, Windy	**Screen Interval:** 10'-25'	**Start Purge:** 1138
	Pump Intake Depth (ft): 18'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 18' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1145	5.73	1.75	161.6	1.73	15.5	60.9	160	12.8	
1150	5.73	.224	118.8	1.66	15.5	138.6	160	12.8	
1155	5.73	.224	67.4	1.52	15.5	145.3	160	12.8	
1200	5.73	.225	55.7	1.46	15.5	148.7	160	12.8	
1205	5.73	.225	45.3	1.43	15.5	150.9	160	12.8	
1210	5.74	.225	43.3	1.41	15.6	153.8	160	12.8	
1215	5.74	.225	43.7	1.41	15.6	156.4	160	12.8	
1220	5.74	.225	44.8	1.4	15.6	158.3	160	12.8	
1225	Sampled								
	+/- 0.1 S.U.	*+/- 3%*	*+/-10% OR < 5 NTU*	*+/-10%*	*+/-3%*	*+/-10mV*	*<500 mL/min*	*+/- 0.3 ft*	

Rental Equipment Details (Serial/Vendor): 18D100748 YSI ProDSS

Comments: Sampled @ 1225

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-42D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 30.15
Date: 11/17/23	**Well Depth (ft):** 162'	**DTW (After Pump Placement):** 30.11
Sampler: R. Magnona	**Well Diameter:** 2"	**Column Height:** 131.85'
Weather: 68°F, Cloudy	**Screen Interval:** 147'-162'	**Start Purge:** 1256
	Pump Intake Depth (ft): 155	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 155' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1300	7.72	.498	98.6	1.01	18.0	-170.9	150	30.2	
1305	7.92	.547	93.25	0	16.7	-244.5	150	30.2	
1310	7.27	.548	92.5	0	16.5	-258.0	150	30.2	
1315	7.28	.553	95.99	0	16.4	-246.1	150	30.2	
1320	7.29	.555	89.57	0	16.4	-238.7	150	30.2	
1325	7.3	.556	85.26	0	16.3	-235.6	150	30.2	
1330	7.31	.558	81.25	0	16.3	-228.7	150	30.2	
1335	7.31	.559	80.97	0	16.3	-226.6	150	30.2	
1340	7.31	.560	81.1	0	16.2	-221.1	150	30.2	
1345	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: Odor from well
Sampled @ 1345

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-101D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 29.80
Date: 11/15/23	**Well Depth (ft):** 138.2	**DTW (After Pump Placement):** 29.85
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 108.35
Weather: 52°F, Partly Cloudy	**Screen Interval:** 127-137	**Start Purge:** 12:48
	Pump Intake Depth (ft):	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 131 Drop 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
12:50	11.13	0.3093	22.38	1.35	15.1	-101.3	150	29.85	
12:55	10.95	0.2872	22.25	0.64	15.0	-98.5	150	29.85	
13:00	10.91	0.2838	22.81	0.52	15.2	-95.0	150	29.85	
13:05	10.87	0.2802	22.79	0.43	15.2	-91.7	150	—	
13:10	10.84	0.2766	23.98	0.41	15.1	-89.4	150	—	
13:15	10.81	0.2743	33.17	0.39	15.1	-86.8	150	—	
13:20	10.79	0.2723	54.25	0.37	15.2	-85.0	150	—	
13:25	10.75	0.2671	61.55	0.32	15.0	-83.5	150	—	
13:30	10.63	0.2573	53.80	0.32	15.1	-79.5	150	—	
13:35	10.93	0.2871	75.23	0.36	15.1	-83.4	150	—	
13:40	10.69	0.2616	43.97	0.28	15.1	-80.0	150	—	
13:45	10.43	0.2467	61.78	0.23	15.0	-74.8	150	—	
13:50	10.19	0.2393	64.98	0.22	15.1	-70.9	150	—	
13:55	10.05	0.2361	68.30	0.19	15.0	-68.4	150	—	
14:00	9.94	0.2343	63.60	0.18	15.0	-66.5	150	—	
14:05	9.71	0.2314	65.98	0.16	15.0	-62.3	150	—	
14:10	9.38	0.2293	67.72	0.10	15.0	-59.2	150	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS YSI 21F105731

Comments:

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-101D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):**
Date: 11/15/23	**Well Depth (ft):**	**DTW (After Pump Placement):**
Sampler: AB/CZ	**Well Diameter:**	**Column Height:**
Weather:	**Screen Interval:**	**Start Purge:**
	Pump Intake Depth (ft):	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:**	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
14:15	9.13	0.2284	66.13	0.09	15.0	-60.5	150	—	
14:20	8.96	0.2284	68.58	0.07	15.0	-74.5	150	—	
14:25	8.74	0.2285	76.58	0.05	15.0	-120.5	150	—	
14:30	8.73	0.2290	80.42	0.05	15.1	-145.2	150	—	
14:35	8.64	0.2293	78.08	0.05	15.0	-161.5	150	—	
14:40	8.45	0.2295	77.70	0.05	14.9	-181.3	150	—	
14:45	8.27	0.2300	79.27	0.04	14.9	-199.7	150	—	
14:50	8.09	0.2306	76.98	0.04	15.0	-211.7	150	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: pH and ORP out of range. Sampled after 2 hours of purging

Sample @ 14:55

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1015	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 29.70
Date: 11/15/23	**Well Depth (ft):** 98.5	**DTW (After Pump Placement):** 29.70
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 68.8
Weather: 52°F, Partly Cloudy	**Screen Interval:** 87-97	**Start Purge:** 12:52
	Pump Intake Depth (ft): 92	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double : 91 Disp : 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
12:55	5.41	.879	126.91	4.89	15.2	88.4	200	—	
13:00	5.24	.881	113.08	0.60	15.1	98.7	200	29.70	
13:05	5.25	.881	86.9	0.53	15.1	97.1	200	29.70	
13:10	5.24	.882	111.9	0.51	15.1	97.1	200	29.70	
13:15	5.24	.882	117.9	0.50	15.2	96.4	200		
★ 13:20	5.30	.770	18.9	0.53	15.3	91.2	200		
13:25	5.24	.771	25.12	0.39	15.3	93.2	200		
13:30	5.25	.720	25.33	0.30	15.3	93.1	200		
13:35	5.23	.716	22.00	0.36	15.1	93.9	200		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS YSI 20E100828

Comments: ★ Sorted YSI to remove air bubbles which artificially inflated the turbidity reading.

Sampled @ 13:40

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-102D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 38.15'
Date: 10/14/23	**Well Depth (ft):** 176.6' 174' reported	**DTW (After Pump Placement):** 38.12'
Sampler: R. Misnone	**Well Diameter:** 2"	**Column Height:** 138.45'
Weather: Sunny, 54°F	**Screen Interval:** 164-174'	**Start Purge:** 1121
	Pump Intake Depth (ft): 169'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 169' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1125	9.13	0.291	13.77	2.19	14.7	-142.2	200	38.16'	
1130	8.88	0.311	13.75	1.17	14.5	-167.7	200	38.17'	
1135	8.41	0.324	16.32	.70	14.6	-190.2	200	38.17'	
1140	7.78	0.359	13.01	.55	14.6	-170.9	200	38.17'	
1145	7.52	0.387	10.06	.48	14.5	-151.6	200	38.18'	
1150	7.46	0.403	7.78	.46	14.2	-139.3	200	38.17'	
1155	7.33	0.410	6.15	.43	14.5	-131.7	200	38.18'	
1200	7.3	0.412	5.9	.42	14.5	-126.7	200	38.18'	
1205	7.26	0.413	4.96	.40	14.4	-120.9	200	38.19'	
1210	7.24	0.415	4.69	.39	14.4	-116.9	200	38.17'	
1215	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: Purge water had greenish tint
Sampled @ 1215

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-102S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 38.6'
Date: 11/14/2023	**Well Depth (ft):** 118.02 117' reported	**DTW (After Pump Placement):** 38.1
Sampler: C. Westenberger	**Well Diameter:** 2"	**Column Height:** 78.4'
Weather: Sunny / 60°F	**Screen Interval:** 107'-117'	**Start Purge:** 11:20
	Pump Intake Depth (ft): 112'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 112' Double Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:25	7.36		0.46	0	15.1	-126.1	150	38.6	
11:30	7.16	0.544	0.22	0	15.1	-153.1	150	38.5	
11:35	6.94	0.542	0.71	0	14.8	-112.1	150	38.5	
11:40	6.89	0.542	0.83	0	14.8	-99.3	150	38.5	
11:45	6.88	0.542	0	0	14.8	-94.2	150	38.5	
11:50	6.87	0.542	1.0	0	14.8	-91.7	150	38.5	
11:55	6.86	0.542	1.3	0	14.7	-90.7	150	38.5	
12:00	6.86	0.542	1.6	0	14.7	-89.93	150	38.5	
12:05	---	---	---	SAMPLE	---	---	---	---	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI Pro DSS

Comments: 112' Double Poly

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-10ZX	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 49.5'
Date: 11/16/23	**Well Depth (ft):** 422.35'	**DTW (After Pump Placement):** 49.54
Sampler: R. Mignone	**Well Diameter:** 2"	**Column Height:** 372.5'
Weather: 40°F, Sunny	**Screen Interval:** 411'-422'	**Start Purge:** 828
	Pump Intake Depth (ft): 417'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' DB Poly, 222' HDPE drop tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
830	11.2	.960	14.71	4.76	14.0	-87.0	~~175~~	49.42	
835	10.93	.912	9.42	1.76	14.3	-140.6	175	49.42	
840	10.89	.903	9.34	1.4	14.3	-152.6	175	49.42	
845	10.87	.895	11.79	1.19	14.3	-161.9	175	49.42	
850	10.86	.892	11.82	1.12	14.4	-165.9	175	49.42	
855	10.85	.887	13.5	1.06	14.5	-168.5	175	49.43	
900	10.84	.883	15.89	1.03	14.5	-169.3	175	49.42	
905	10.83	.879	18.96	1.00	14.6	-170.9	175	49.42	
910	10.82	.877	18.56	.98	14.5	-171.6	175	49.42	
915	10.82	.876	18.12	.96	14.5	-172.8	175	49.42	
920	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments:

Sampled @ 920

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-103D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 82.5
Date: 11/13/23	**Well Depth (ft):** ~~241.0~~	**DTW (After Pump Placement):** 82.6
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 158.5'
Weather:	**Screen Interval:** 231-241	**Start Purge:** 1245
	Pump Intake Depth (ft): 230.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' OB Poly, 36' Drop Tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1245	11.68	0.861	3.62	2.55	15.4	53.0	200	82.6	
1250	11.54	0.693	714.95	1.63	15.0	97.3	200	82.6	
1255	10.25	0.386	767.32	0.78	14.9	116.7	200	82.6	
1300	10.23	0.386	287.71	0.96	14.8	112.8	200	82.6	
1305	10.30	0.388	139.21	1.03	14.7	110.8	200	82.6	
1310	10.33	0.388	93.21	1.06	14.7	112.8	200	82.6	
1315	10.28	0.384	65.80	1.03	14.8	121.1	200	82.6	
1320	10.20	0.381	65.80	1.01	14.8	122.6	200	82.6	
1325	~~9.99~~	0.374	63.21	0.98	14.8	126.2	200	82.6	
1330	9.92	0.372	61.18	0.95	14.7	127.9	200	82.6	
1335	9.88	0.369	61.02	0.93	14.9	130.0	200	82.6	
~~1340~~				SAMPLE					
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: ~~23E103114~~ 19K101415

Sample collected at 1340

NOTE: Sections highlighted in green MUST be completed!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-103S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 82.25
Date: 11/13/23	**Well Depth (ft):** 187.0	**DTW (After Pump Placement):** 82.40
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 104.75'
Weather: Sunny, 50°F	**Screen Interval:** 177-187'	**Start Purge:** 1225
	Pump Intake Depth (ft): 182.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

	Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
5	1230	8.68	0.303	11.04	2.23	16.3	22.0	150	82.40	
10	1235	8.78	0.8301	9.42	0.52	15.6	11.9	150	82.40	
	1240	8.67	0.302	8.34	0.37	15.6	12.9	150	82.39	
20	1245	8.67	0.302	9.38	0.29	15.4	12.3	150	82.39	
	1250	8.666	0.302	10.29	0.26	15.7	11.4	150	82.39	
30	1255	8.666	0.302	9.73	0.20	15.5	10.0	150	82.39	
	1300	8.664	0.301	8.67	0.16	15.3	9.4	150	82.39	
40	1305	8.67	0.301	7.93	0.06	15.1	7.1	150	82.39	
	1310	8.67	0.301	7.93	0.06	15.1	5.5	150	82.39	
50	1315	8.666	0.302	7.72	0.06	15.1	4.4	150	82.39	
				SAMPLE						
					ER					
		+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments:

YSI: 23F1026624
Sample time: 1320

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-104D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 61.53'
Date: 11/13/23	**Well Depth (ft):** 228	**DTW (After Pump Placement):**
Sampler: MS/KO	**Well Diameter:** 2"	**Column Height:** 166.47
Weather: 41°F, Sunny, 7mph NNW wind	**Screen Interval:** 215-225	**Start Purge:**
	Pump Intake Depth (ft): 220	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 160' DB Poly. + 60' HDPE Drop.	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1315	7.63	362.1	12.48	1.02	14.3	-69.4	180	61.55	Slight odor
1320	7.58	362.5	7.22	0.80	14.1	-97.4	190	61.65	
1325	7.62	362.2	9.23	0.68	14.2	-104.3	190	61.65	
1330	7.62	361.8	9.23	0.66	14.1	-105.9			
1335	7.62	360.2	10.09	0.63	14.1	-110.7			
1340	7.60	359.2	8.85	0.62	14.8	-115.2			
1345	7.62	358.7	10.14	0.67	14.4	-114.4			
1350	7.61	355.7	10.69	0.55	14.2	-95.3			
1355	7.60	355.3	9.82	0.57	14.7	-92.4			← Compressor air valve opened, had to turn off & back on
1400	7.55	347.5	12.14	0.56	14.2	-118.2			
1405	7.58	350.4	9.58	0.53	14.0	-116.1			
1410	7.59	350.5	10.60	0.52	13.9	-116.8			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 20E100150

Sampled @ 1415

Comments: *US enviro Dropped off new generator ~1300

1040: well set up, generator working but has light on "overload alarm", compressor only reaching 50 PSI, can't control w/ control box, knob on compressor @ max

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

188.80
61.70
126.30

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-104S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 61.70
Date: 11/13/23	**Well Depth (ft):** 188	**DTW (After Pump Placement):** 61.70
Sampler: MS	**Well Diameter:** 2"	**Column Height:** 126.30
Weather: 41°F, Sunny, 1mph NW wind	**Screen Interval:** 177-187	**Start Purge:** 1144
	Pump Intake Depth (ft): ~183	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 160' DB Poly. + 22' HDPE Prop.	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1150	10.52	0.345	400.61	1.95	13.6	16.1	225	61.70	Turbid
1155	11.18	0.449	195.73	0.69	13.8	-84.2	225	61.71	
1200	11.27	0.469	160.27	0.57	13.8	-240.8	225	61.71	
1205	10.94	0.346	221.70	0.39	13.8	-222.2	225	61.71	
1206 *	IMJ empties YST		Flow Cell	~~~	~~~	~~~	~~~	~~~	
1210	10.75	0.313	138.61	0.49	13.7	-131.7	225	61.71	
1215	10.62	0.309	99.84	0.40	13.7	-150.0	225	61.71	
1220	10.41	0.312 ✓	65.28	0.40	13.7 ✓	-151.1	225 ✓	61.71	
1225	10.25	0.320	54.39	0.40 ✓	13.7	-151.0 ✓	225	61.71	
1230	10.12	0.328	44.22	0.38	13.7	-151.8	225	61.71	
1235	10.01	0.335	43.73	0.37	13.8	-151.5	225	61.71	
1240	9.92	0.340	38.31	0.36	13.8	-151.5	225	61.71	
1245	9.83	0.345	35.22	0.35	13.9	-151.8	225	61.71	
1250	9.75 ✓	0.348 ✓	33.23 ✓	0.35 ✓	13.9 ✓	-151.1 ✓	225 ✓	61.71 ✓	
1255	SAMPLED for Method 1633, MES-IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N: 21K104086 from US Environmental

Comments:

1045: Honda Generator (S/N 2259316) warmed up but keeps shutting off.
1055: Generator stable, compressor (S/N 12814) not pressurizing past 50psi, no water from well.
1059: Generator turns off, MS restarts generator after several attempts, letting run w/ nothing plugged in.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

1101: Generator turns off; MS calls US Environmental.

SEE BACK →

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1050	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 62.65
Date: 11/13/23	**Well Depth (ft):** 301.80 ft	**DTW (After Pump Placement):** 62.68
Sampler: AB + CZ	**Well Diameter:** 2"	**Column Height:** 239.12
Weather: 50°F, Sunny	**Screen Interval:** 287-297	**Start Purge:** 13:23
	Pump Intake Depth (ft): 292	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 200; Drop 92	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
13:25	9.81	.340	8.16	1.03	14.6	-41.3	175	62.68	
13:30	8.86	.321	6.67	0.81	14.6	-69.7	175	62.68	
13:35	8.24	.328	4.67	0.66	14.5	-167.9	175	62.68	
13:40	8.07	.261	4.48	0.59	14.5	-162.1	↓	↓	
13:45	8.00	.261	4.00	0.51	14.4	-156.9			
13:50	7.99	.261	4.32	0.48	14.4	-156.9			
13:55	7.98	.261	4.72	0.44	14.4	-156.9			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): PRO DSS YSI 20E100828

Comments: Sample @ 14:00

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-105S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 62.65
Date: 11/13/23	**Well Depth (ft):** 214.80	**DTW (After Pump Placement):** 62.65
Sampler: AB+C2	**Well Diameter:** 2"	**Column Height:** 151.15
Weather: 50°F, Sunny	**Screen Interval:** 212 - 202	**Start Purge:** 13:25
	Pump Intake Depth (ft): 207	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 200 ; Drop 7	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
13:30	12.03	0.872	19.64	3.13	15.1	-5.4	175.0	—	
13:35	12.05	0.8666	26.00	1.30	15.0	-20.4	175.0	62.66	
13:40	12.05	0.8666	22.74	0.87	14.7	-29.5	175.0	62.68	
13:45	12.06	0.861	21.47	0.76	14.6	-39.4	175.0	62.68	
1350	12:06	0.849	19.96	0.68	14.60	-55.9	175.0	—	
1355	12.05	0.839	19.15	0.65	14.60	-67.6	175.0	—	
1400	12.04	0.820	19.53	0.62	14.6	-79.9	175.0	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS 451 21F105731

Comments: Sampled @ 14:05

NOTE: Sections highlighted in green MUST be completed!)

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-106D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 58.20
Date: 11/14/23	**Well Depth (ft):** 206	**DTW (After Pump Placement):** 58.30
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** - 137.7
Weather: 42°F, Sunny	**Screen Interval:** 190 - 205	**Start Purge:** 8:50
	Pump Intake Depth (ft): 195	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 199 Drop. 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
9:00	11.48	.612	14.38	1.38	14.2	-32.9	150	-	
9:05	11.46	.626	16.00	0.88	14.3	-110.9	150	58.30	
9:10	11.50	.627	14.50	0.75	14.2	-134.6	150	58.30	
9:15	11.51	.626	14.13	0.70	14.3	-144.9	↓	58.30	
9:20	11.52	.624	13.91	0.65	14.3	-154.7		↓	
9:25	11.52	.622	13.69	0.62	14.3	-160.4			
9:30	11.52	.619	14.00	0.61	14.3	-163.6	↓		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): PRO DSS YSI 20E100828

Comments: Sampled @ 9:35.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-106S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 68.30
Date: 11/14/23	**Well Depth (ft):** 154.00	**DTW (After Pump Placement):** 68.30
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 85.7
Weather: 42°F, Sunny	**Screen Interval:** 140 - 150	**Start Purge:** 8:35
	Pump Intake Depth (ft): 145	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double : 145	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:40	10.08	0.3718	13.63	0.90	14.8	-153.6	100	—	
8:45	9.75	0.3476	14.45	1.39	14.8	-158.2	100	—	
8:50	9.54	0.3377	15.39	2.03	14.8	-124.7	100	68.3	
8:55	9.50	0.3330	15.07	2.60	14.8	-115.6	100	68.3	
9:00	9.08	0.3246	17.93	2.66	14.8	-104.1	100	68.3	
9:05	8.74	0.3191	19.80	2.18	14.8	-95.1	100	—	
9:10	8.53	0.3184	23.25	2.29	14.8	-91.7	100	—	
9:15	8.61	0.3171	32.56	2.95	14.8	-87.7	100	—	
9:20	7.87	0.3151	41.75	2.24	14.8	-119.9	100	—	
9:25	7.42	0.3161	43.11	1.93	14.9	-106.2	100	—	
9:30	7.31	0.3162	38.10	1.99	14.9	-95.8	100	—	
9:35	7.25	0.3164	41.55	1.65	14.7	-101.5	100	—	
9:40	7.22	0.3160	40.09	1.64	14.9	-100.2	100	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): PRO DSS YSI 21F105731

Comments: Sampled @ 9:45

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-107D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 28.21
Date: 11/14/23	**Well Depth (ft):** 123.9	**DTW (After Pump Placement):** 28.4
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 95.5
Weather: 53°F, Sunny	**Screen Interval:** 112 - 122	**Start Purge:** 11:10
	Pump Intake Depth (ft): 117	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 117; Drop 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:15	8.10	0.3176	5.05	0.41	14.9	-189.3	250	28.4	
11:20	7.27	0.4177	4.14	0.30	14.8	-172.5	250	28.3	
11:25	7.10	0.4964	4.36	0.26	14.8	-156.7	250	28.4	
11:30	7.01	0.540	4.91	0.22	14.8	-146.3	250	28.4	
11:35	6.97	0.555	4.49	0.20	14.8	-139.6	250	—	
11:40	6.93	0.566	4.07	0.18	14.8	-133.9	250	—	
11:45	6.91	0.570	3.38	0.17	14.8	-129.6	250		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS YSI 21F105731

Comments:

Recommend WD-40 for bolts

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-107S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 28.25
Date: 11/14/23	**Well Depth (ft):** 82.7	**DTW (After Pump Placement):** 28.23
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 54.47
Weather: 53°F, Sunny	**Screen Interval:** 72 - 82	**Start Purge:** 11:10
	Pump Intake Depth (ft): 77	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double : 76 Drop : 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:15	6.30	.408	14.55	0.53	15.5	-56.1	125	—	
11:20	6.26	~~339~~.408 **	17.91	0.52	16.1	-52.4	125	—	
11:25	6.25	.408	30.36	0.41	16.2	-50.6	125	—	
11:30	6.25	.408	38.66	0.37	16.3	-50.6	125	—	
11:35	6.24	.409	48.11	0.34	16.2	-50.6	125	28.23	
11:40	6.24	.410	50.55	0.34	16.4	-50.5	125	28.23	
11:45	6.25	.410	50.55	0.41	16.5	-52.2	125	28.23	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20E120828

Comments: Sampled @ 11:50

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-108D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 77.72'
Date: 11/16/23	**Well Depth (ft):** 348.61' measured 345'	**DTW (After Pump Placement):** 77.78'
Sampler: C. Westenberger	**Well Diameter:** 2"	**Column Height:** 270.89
Weather: Sunny / 65°F	**Screen Interval:** 335'-345'	**Start Purge:** 11:35
	Pump Intake Depth (ft): 340	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' poly / 140' HDPE	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:40	8.2	0.543	16.19	22.6	17.3	-98.5	150	77.75	
11:45	7.50	0.668	4.28	17.6	17.3	-171.2	150	77.75	
11:50	7.50	0.668	4.32	10.9	16.2	-178.3	150	77.75	
11:55	7.49	0.668	4.39	1.31	16.7	-182.3	150	77.75	
12:00	7.52	0.668	5.61	9.2	15.7	-193.0	150	77.75	
12:05	7.57	0.667	5.14	8.9	15.8	-202.6	150	77.75	
12:10	7.60	0.679	5.83	9.1	16.0	-202.7	150	77.75	
12:15	7.62	0.692	6.34	9.3	16.1	-202.8	150	77.75	
12:20	7.62	0.700	6.84	9.4	16.2	-202.3	150	77.75	
12:25	7.62	0.700	8.62	9.2	16.1	-203.5	150	77.75	
12:30	7.62	0.701	8.86	9.0	16.0	-200.9	150	77.75	
12:35	7.62	0.700	9.02	8.9	16.0	-200.2	150	77.75	
12:40	7.63	0.701	9.03	8.8	16.1	-199.8	150	77.75	
12:45	7.63	0.701	9.05	8.9	16.0	-199.7	150	77.75	
12:50				SAMPLE					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000296 YSI DSS Pro

Comments:

ODOR - 200' Double Poly, 140' HDPE - sample @ 12:50

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-108S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 76.41'
Date: 11/16/23	**Well Depth (ft):** 235' 238.5' measured	**DTW (After Pump Placement):** 76.5'
Sampler: R. Mignone	**Well Diameter:** 2"	**Column Height:** 158.59'
Weather: Sunny, 65°F	**Screen Interval:** 225' - 235'	**Start Purge:** 1149
	Pump Intake Depth (ft): 230'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' DB Poly, 30' HDPE DropTubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1155	11.17	.606	8.33	5.23	15.8	-76.7	200	76.39	
1200	11.29	.64	11.99	6.72	15.5	-129.1	200	76.39	
1205	11.31	.643	12.41	7.27	15.5	-159.1	200	76.38	
1210	11.39	.644	11.39	7.4	15.5	-168.3	200	76.39	
1215	11.31	.786	12.25	7.48	15.6	-175.5	200	76.39	
1220	11.32	.788	12.85	7.71	15.3	-182.2	200	76.39	
1225	11.32	~~.786~~ .781	12.27	7.8	15.3	-188.5	200	76.39	
1230	11.29	.758	13.06	7.81	15.4	-191.2	200	76.39	
1235	11.27	.742	13.16	7.9	15.3	-195.1	200	76.38	
1240	11.26	.741	13.3	7.91	15.3	-196.5	200	76.38	
1245	11.26	.741	13.23	7.93	15.3	-197.7	200	76.39	
Sampled @ 1250									
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI DSS Pro

Comments: - Slight odor
- Sampled @ 1250

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-109D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 58.1
Date: 11/15/23	**Well Depth (ft):** 271.3	**DTW (After Pump Placement):** 58.0
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 213.2
Weather: 34°F, Sunny	**Screen Interval:** 257-267	**Start Purge:** 8:35
	Pump Intake Depth (ft): 262	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Drop: 1 Double: 261	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:45	7.17	.365	8.72	2.35	14.4	-106.5	100	—	
8:50	7.17	.361	3.23	1.35	15.0	-101.7	100	—	
8:55	7.18	.361	2.99	0.89	15.1	-104.5	100	58.0	
9:00	7.19	.361	2.72	0.70	15.1	-107.9	100	58.0	
9:05	7.21	.361	2.69	0.61	15.2	-109.6	100	58.0	
9:10	7.22	.361	2.60	0.57	15.2	-110.7	100	1	
9:15	7.23		2.61	0.58	15.2	-111.7	100	1	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20E1008128

Comments: No weights on hand. Had to use double banded for the whole well because the drop tubing got stuck on the casing. This resulted in a slow purge rate. Sampled @ 9:20

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-109S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 56.30
Date: 11/15/23	**Well Depth (ft):** 159.5	**DTW (After Pump Placement):** 56.30
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 103.2
Weather: 34°F, Sunny	**Screen Interval:** 147-157	**Start Purge:** 8:30
	Pump Intake Depth (ft): 152	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 152'; Drop 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:40	9.70	0.2963	10.89	2.51	13.9	-207.3	150	56.30	
8:45	6.27	0.4201	4.49	0.91	14.7	-83.9	150	56.30	
8:50	6.22	0.4267	3.78	0.66	14.7	-72.3	150	56.30	
8:55	6.23	0.4271	2.90	0.57	14.7	-71.9	150	—	
9:00	6.24	0.4272	2.03	0.52	14.8	-72.9	150	—	
9:05	6.25	0.4274	1.79	0.51	14.8	-73.0	150	—	
9:10	6.25	0.4274	1.49	0.47	14.8	-72.8	150	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS YSI 21F105731

Comments:

NOTE: Sections highlighted in green MUST be completed!!

FieldDataLog_Rev1.4.docx

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-111D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 22.66'
Date: 11/17/23	**Well Depth (ft):** 124.73'	**DTW (After Pump Placement):** 22.7
Sampler: R. Mignona	**Well Diameter:** 2"	**Column Height:** 102.34'
Weather: 48°F, Partly Cloudy	**Screen Interval:** 115'-125'	**Start Purge:** 831
	Pump Intake Depth (ft): 120'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 120' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
835	6.28	.537	16.73	7.96	15.6	-89.5	180	22.4	
840	6.27	.533	37.21	8.18	15.6	-92.1	150	22.4	
845	6.29	.458	60.73	8.30	15.9	-92.2	150	22.4	
850	6.3	.554	65.30	8.34	15.9	-90.4	150	22.41	
855	6.29	.551	80.43	8.4	15.9	-85.9	150	22.4	
900	6.29	.55	86.32	8.42	15.9	-84.8	150	22.4	
905	6.29	.548	89.47	8.44	15.8	-79.6	150	22.41	
910	6.29	.546	88.22	8.42	15.9	-77.0	150	22.41	
915	6.29	.546	81.02	8.44	15.9	-77.2	150	22.41	
920	6.29	.545	86.22	8.43	15.9	-76.1	150	22.41	
925	6.29	.545	78.06	8.47	15.9	-75.1	150	22.41	
930	6.29	.545	76.55	8.43	15.8	-74.4	150	22.4	
935	6.29	.545	77.68	8.47	15.9	-74.0	150	22.4	
940	6.29	.544	76.79	8.47	15.9	-73.8	150	22.4	
945	6.29	.544	77.02	8.46	15.9	-72.9	150	22.4	
950	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI Pro DSS

Comments: Odor, dark tint on purgewater

Sampled @ 950

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-111S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 22.75'
Date: 11/17/23	**Well Depth (ft):** 72.24' 72' reported	**DTW (After Pump Placement):** 22.74'
Sampler: C. Westenberger	**Well Diameter:** 2"	**Column Height:** 49.49'
Weather: 48°F, Partly Cloudy	**Screen Interval:** 62'-72'	**Start Purge:** 835
	Pump Intake Depth (ft): 67'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 67' Double Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:40	5.79	0.447	64.94	6.91	15.6	-25.9	225	22.79	
8:45	5.78	0.446	63.93	4.99	15.6	-29.1	225	22.79	
8:50	5.77	0.444	62.96	3.54	15.6	-37.7	225	22.79	
8:55	5.77	0.444	61.72	2.36	15.6	-39.3	225	22.77	
@ 9:00	5.76	0.443	61.01	1.80	15.6	-41.6	225	22.79	
9:05	5.75	0.443	60.05	1.71	15.6	-44.2	225	22.79	
9:10	5.74	0.444	59.01	1.18	15.6	-54.8	225	22.75	
9:15	5.72	0.445	57.50	0.96	15.6	-46.0	225	22.79	
9:20	5.71	0.445	56.69 @	0.86	15.6	-48.2	225	22.75	
9:25	5.70	0.445	56.32	0.82	15.6	-48.0	225	22.79	
9:30	5.70 @	0.446	57.41	0.83	15.6	-49.1	225	22.79	
9:35				SAMPLE					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: Strong odor, black grit on weight inside well
67' of Double Poly - sampled @ 9:35

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-112D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 77.05
Date: 11/14/23	**Well Depth (ft):** 237.0	**DTW (After Pump Placement):** –
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 159.95'
Weather: Sunny 50°F	**Screen Interval:** 227-237	**Start Purge:** 1000
	Pump Intake Depth (ft): 232.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' DB Poly, 32' Drop Tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1005	7.71	0.372	80.07	0.57	15.4	-107.7	200	77.20	
1010	7.65	0.384	176.63	0.59	15.3	-111.9	200	77.21	
1015	7.63	0.386	215.78	0.62	15.4	-108.0	200	77.22	
1020	7.52	0.388	356.72	0.77	15.3	-112.0	200	77.23	
1025	7.45	0.389	189.78	0.88	15.3	-118.2	200	77.24	
1030	7.45	0.391	129.65	0.87	15.3	-116.3	200	77.24	
1035	7.45	0.391	138.96	0.86	15.4	-114.8	200	77.24	
1040	7.45	0.391	128.72	0.86	15.4	-114.9	200	77.24	
1045	7.45	0.392	124.68	0.85	15.5	-115.3	200	77.24	
				SAMPLE					
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415
Sample time: 1050

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-112S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** ~~77.05~~ 76.67
Date: 11/14/23	**Well Depth (ft):** 170.0	**DTW (After Pump Placement):** 76.67
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 93.33'
Weather: Sunny 50°F	**Screen Interval:** 160'-170'	**Start Purge:** 1035
	Pump Intake Depth (ft): 165.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 165' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1035	7.67	0.227	105.15	7.37	15.8	36.5	150	76.67	
1040	7.34	0.284	131.69	3.34	15.3	41.4	150	76.67	
1045	7.32	0.289	136.78	2.62	15.2	42.2	150	76.67	
1050	7.29	0.291	137.08	2.40	15.3	42.4	150	76.67	
1055	7.28	0.292	139.02	2.38	15.4	41.8	150	76.67	
1100	7.28	0.292	138.32	2.26	15.7	43.2	150	76.67	
~~1105~~				SAMPLE					
~~1110~~									
~~1115~~									
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI : 23F102624

Sampling start at 1100

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-113D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 105.15
Date: 11/14/23	**Well Depth (ft):** 237.0	**DTW (After Pump Placement):** 105.10
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 171.85'
Weather: Sunny 50°F	**Screen Interval:** 227'-237'	**Start Purge:** 1230
	Pump Intake Depth (ft): 232.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double hand poly	

	Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
	1235	8.55	0.396	965.73	1.01	15.0	-130.3	200	105.20	
10	1240	8.13	0.379	990.25	0.86	15.1	-134.5	200	105.26	
	1245	7.94	0.380	682.13	0.73	15.2	-152.7	200	105.28	
20	1250	7.88	0.380	580.37	0.72	15.2	-154.9	200	105.28	
	1255	7.85	0.379	526.03	0.70	15.1	-152.8	200	105.28	
30	1300	7.82	0.379	449.00	0.69	15.1	-152.9	200	105.28	
	1305	7.80	0.379	430.67	0.68	15.1	-150.1	200	105.28	
40	1310	7.78	0.378	324.67	0.67	15.2	-148.3	200	105.28	
	1315	7.77	0.378	296.61	0.67	15.1	-147.2	200	105.28	
50	1320	7.76	0.378	271.31	0.67	15.1	-145.7	200	105.28	
	1325	7.75	0.377	258.46	0.67	15.1	-145.1	200	105.28	
60	1330	7.75	0.377	233.51	0.666	15.1	-144.7	200	105.28	
	1335	7.75	0.377	226.34	0.666	15.1	-144.1	200	105.28	
70	1340	7.74	0.377	214.94	0.65	15.1	-143.4	200	105.28	
	←			SAMPLE						→
				ER						
		+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415
Sample time: 1345

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-113S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 65.49
Date: 11/14/23	**Well Depth (ft):** 171.0	**DTW (After Pump Placement):** 65.49
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 105.51'
Weather: Sunny 50°F	**Screen Interval:** 161-171'	**Start Purge:** 1240
	Pump Intake Depth (ft): 166.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1240	7.9	0.369	100.15	5.86	15.3	128.6	150	65.49	
1245	7.38	0.387	40.76	0.36	15.2	109.4	150	65.49	
1250	7.35	0.388	32.26	0.35	15.2	108.4	150	65.49	
1255	7.33	0.388	30.64	0.32	15.2	108.0	150	65.49	
1300	7.31	0.388	29.26	0.28	15.1	107.5	150	65.49	
1305	7.29	0.388	27.14	0.28	15.2	107.0	150	65.49	
1310	7.29	0.388	26.15	0.26	15.1	106.6	150	65.49	
1315	7.27	0.388	24.68	0.25	14.9	105.5	150	65.49	
1320	7.27	0.387	25.41	0.26	15.1	105.3	150	65.49	
1330				SAMPLE					
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 23F102624

Sampling start at 1330

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-114D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 79.60
Date: 11/14/23	**Well Depth (ft):** 275.8	**DTW (After Pump Placement):** 79.70
Sampler: KO/MS	**Well Diameter:** 2 in	**Column Height:** 196.2 ft
Weather: Sunny 40°F, 10 mph winds	**Screen Interval:** 262-272	**Start Purge:** 9:30
	Pump Intake Depth (ft): 267	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200 ft Double Bonded 67 ft Drop Tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
935	10.56	272.9	16.27	3.06	14.7	109.7	125	79.70	rotten egg odor
0940	10.03	367.9	8.80	1.68	14.9	-130.4	125	79.75	
0945	9.87	425.8	25.82	1.40	15.1	-123.6	125	79.75	Flow cell tipped over
0950	9.86	349.8	8.76	1.30	15.2	-122.3	125	79.75	and created air bubbles
0955	9.83	428.6	5.93	1.09	15.2	-123.7	125	79.75	
1000	9.83	428.8	5.94	1.05	15.4	-125.3	125	79.75	
1005	9.83 ✓	429.1 ✓	5.95 ✓	1.00 ✓	15.5 ✓	-125.1V	125 ✓	79.75 ✓	
1010	SAMPLED for Method 1633 and MFS-IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI Pro DSS 20E100150 (US Environmental Res#110559)

Comments:

0940 - 1010 notes from MS

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1145	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 79.37'
Date: 11-14-23	**Well Depth (ft):** 198.5	**DTW (After Pump Placement):** 79.41'
Sampler: MJ	**Well Diameter:** 2"	**Column Height:** 119.13
Weather: 54°F, Sunny, 16mph NNW wind	**Screen Interval:** 187-197	**Start Purge:** 1035
	Pump Intake Depth (ft): 193	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 160ft DB. Poly + 32ft HDPE Drop.	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1040	7.11	0.360	11.39	5.46	15.4	-112.6	175	79.41	
1045	7.39	0.387	54.25	1.29	15.2	-110.5	175	79.41	
1050	7.42	0.387	18.06	0.85	15.1	-115.0	175	79.41	
1055	7.43	0.386	10.50	0.77	15.3	-116.1	175	79.41	
1100	7.43	0.387	7.80	0.70	15.1	-117.5	175	79.41	
1105	7.44	0.387	7.15	0.67	15.1	-118.7	175	79.41	
1110	7.45	0.387	6.60	0.63	15.2	-118.6	175	79.41	
1115	SAMPLED FOR		Method	1633 & MES ID#					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS from US Environmental; S/N 21K104086; Res# 110559

Comments:

0927: MJ turns on low flow setup; Husky Compressor (S/N 12814) not building pressure past PSI. Same issue on 11/13. MJ calling USE.

0938: Per USE, swap out should be before 12pm. MJ pausing setup

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

1020: MJ connects Rigid Compressor S/N

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-115X	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 72.77'
Date: 11/27/23	**Well Depth (ft):** 377'	**DTW (After Pump Placement):** 72.75'
Sampler: R. Mignona	**Well Diameter:** 2"	**Column Height:** 304.23'
Weather: 47°F, Windy	**Screen Interval:** 367-377'	**Start Purge:** 1435
	Pump Intake Depth (ft): 372'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200 DB Poly, 172' LDPE Drop Tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1445	8.02	.414	110.2	1.16	13.6	-118.6	~118	72.75	
1450	8.01	.415	113.1	.82	13.7	-141.6	120	72.75	
1455	8.02	.415	122.3	.46	13.7	-161.2	120	72.75	
1500	8.03	.415	124.6	.33	13.8	-167.2	120	72.75	
1505	8.04	.415	136.7	.26	13.7	-170.3	120	72.75	
1510	8.04	.415	132.5	.21	13.6	-177.6	120	72.75	
1515	8.04	.415	134.0	.2	13.6	-177.9	120	72.75	
1520	8.04	.415	143.2	.17	13.5	-177.9	120	72.75	
1525	8.05	.415	148.5	.15	13.5	-177.8	120	72.75	
1530	8.05	.45	150.2	.13	13.5	-177.9	120	72.75	
1535	8.05	.415	124.2	.12	13.5	-178.4	120	72.75	← Shook bubbles out of flowcell
1540	8.05	.415	127.2	.1	13.5	-178.6	120	72.75	
1545	8.05	.415	128.2	.07	13.6	-178.8	120	72.75	
1550	8.06	.416	128.8	.07	13.6	-179.1	120	72.75	
1555	8.06	.415	126.3	.06	13.6	-179.8	120	72.75	
1600	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 18D100748 YSI Pro DSS

Comments: @ 1550 - Confirmed with MJ if okay to sample due to turbidity
Sampled @ 1600

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-116D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 73.06
Date: 11/14	**Well Depth (ft):** 245'	**DTW (After Pump Placement):** 72.22'
Sampler: R. Mignone	**Well Diameter:** 2"	**Column Height:** 171.94'
Weather: Sunny/ 40°F	**Screen Interval:** 235-245'	**Start Purge:** 8:20
	Pump Intake Depth (ft): 240'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' Double poly 1/2" HDPE	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
825	11.69	1.564	20.76	1.28	14.1	-68.5	200	72.21	
830	11.74	1.557	17.86	1.02	14.0	-96.2	200	72.21	
835	11.78	1.509	12.14	0.72	14.0	-125.2	200	72.21	
840	11.73	1.370	11.24	0.61	14.0	-137.8	200	72.22	
845	11.73	1.359	10.78	0.58	14.0	-139.6	200	72.22	
850	11.72	1.329	12.00	0.53	14.0	-147.0	200	72.22	
855	11.73	1.319	12.21	0.48	14.0	-153.4	200	72.21	
900	10.24	.9118	13.6	0.36	13.9	-156.9	200	72.22	
905	9.82	.747	12.64	0.31	14.0	-153.5	200	72.23	
910	8.23	.767	9.63	0.32	14.0	-212.3	200	72.23	
915	7.54	.772	10.04	0.33	13.9	-167.5	200	72.22	
920	7.12	.769	9.72	0.34	13.9	-147.7	200	72.23	
925	7.1	.769	10.1	0.34	14.1	-142.5	200	72.24	
930	7.11	.767	9.98	0.34	14.0	-139.9	200	72.23	
935	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: 200' Double Poly 1/2" HDPE
Sampled @ 935

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1165	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 72.15'
Date: 11/14	**Well Depth (ft):** 158.84' measured	**DTW (After Pump Placement):** 72.1'
Sampler: C. WESTERBERGER	**Well Diameter:** 2	**Column Height:** 84.65
Weather: Sunny, 40°F	**Screen Interval:** 147-157'	**Start Purge:** 850
	Pump Intake Depth (ft): 152'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 152' Double Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
~~825~~	~~11.66~~	~~1552~~	~~1.92~~	~~4.41~~	~~14.2~~	~~-50.2~~	~~200~~	~~72.2~~	
905	11.15	0.853	0	.47	14.5	15.6	150	72.2	
910	11.18	0.831	0	1.04	14.4	3.6	150	72.2	
915	11.23	0.802	0	3.37	14.4	-22.5	150	72.2	
920	11.21	0.755	0	2.39	14.3	-34.6	150	72.2	
925	11.21	0.751	0	0.47	14.3	-40.7	150	72.2	
930	11.21	0.745	0	0.43	14.3	-48.0	150	72.2	
935	10.34	0.507 @	0	0	14.3	-50.3	150	72.2	
940	9.85	0.489	0	0	14.3	-58.6	150	72.2	
945	9.70	0.489	0	0	14.3	~~62~~ 62.1	150	72.2	
950	9.70	0.490	0	0	14.4	-70.9	150	72.2	
955	9.70	0.491	0	0	14.4	-74.3	150	7.22	
10:00				SAMPLE					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI Pro DSS

Comments: 152' Double Poly

SAMPLED MW-1165 @ 10:00

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-117D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 35.65
Date: 11/15/23	**Well Depth (ft):** 147.0	**DTW (After Pump Placement):** 35.63
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 111.35
Weather: Sunny 50°F	**Screen Interval:** 147-137	**Start Purge:** 1230
	Pump Intake Depth (ft): 142.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double band poly	

	Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
	1235	11.78	2.814	85.36	0.79	15.4	-141.4	200	35.80	
10	1240	11.76	2.590	60.58	0.86	15.5	-153.0	200	35.80	
	1245	11.75	2.433	33.45	0.84	15.3	-157.4	200	35.80	
20	1250	11.72	2.253	8.46	0.83	15.2	-161.3	200	35.80	
	1255	11.65	1.963	8.60	0.80	15.2	-163.9	200	35.80	
30	1300	11.59	1.805	8.80	0.79	15.3	-162.7	200	35.80	
	1305	11.52	1.635	7.47	0.81	15.3	-161.6	200	35.80	
40	1310	11.48	1.554	7.15	0.82	15.4	-159.1	200	35.80	
	1315	11.43	1.477	8.20	0.83	15.5	-157.0	200	35.80	
50	1320	11.39	1.370	7.95	0.82	15.4	-155.7	200	35.80	
	1325	11.36	1.356	7.83	0.82	15.3	-159.5	200	35.80	
60	1330	11.34	1.348	7.81	0.80	15.4	-160.6	200	35.80	
					SAMPLE ER					
		+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415

Sample time: 1335

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-117S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 35.50
Date: 11/15/23	**Well Depth (ft):** 102.0	**DTW (After Pump Placement):** -
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 66.5'
Weather: Sunny, 50°F	**Screen Interval:** 102-92	**Start Purge:** 1235
	Pump Intake Depth (ft): 97.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 1/4" double bund poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
12:35	7.62	0.392	31.44	4.37	15.3	-168.6	200	35.50	
1240	7.52	0.390	24.63	3.09	15.2	-172.3	200	35.50	
1245	7.30	0.385	23.18	1.88	15.1	-151.8	200	35.50	
1250	6.89	0.369	26.42	0.71	15.0	-116.5	200	35.50	
1255	6.72	0.359	22.53	0.41	15.0	-101.8	200	35.50	
1300	6.65	0.355	30.51	0.28	15.1	-99.6	200	35.50	
1305	6.63	0.353	36.96	0.25	15.3	-109.6	200	35.50	
1310	6.63	0.353	36.33	0.23	15.4	-108.1	200	35.50	
1315	6.64	0.354	32.15	0.24	15.6	-107.8	200	35.50	
SAMPLING ~~END~~									
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 23F102624

Sampling start at 1325

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-118D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 44.40
Date: 11/15/23	**Well Depth (ft):** 197.0	**DTW (After Pump Placement):** -
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 152.6'
Weather: Sunny, 40°F	**Screen Interval:** 197-187	**Start Purge:** 1000
	Pump Intake Depth (ft): 192.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** dunse bandpoly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1005	7.31	0.684	51.23	0.79	14.8	-131.4	200	44.48	
1010	7.23	0.689	32.45	0.74	14.8	-137.5	200	44.48	
1015	7.16	0.692	17.22	0.69	14.8	-138.5	200	44.48	
1020	7.16	0.693	8.75	0.67	14.8	-137.9	200	44.48	
1025	7.15	0.693	5.01	0.65	14.7	-137.9	200	44.48	
1030	7.17	0.693	4.96	0.65	14.7	-138.5	200	44.48	
1035	7.17	0.693	5.43	0.64	14.6	-139.2	200	44.48	
1040	7.17	0.693	10.12	0.64	14.8	-138.3	200	44.48	
1045	7.18	0.693	14.08	0.63	14.9	-137.9	200	44.48	
1050	7.18	0.692	15.67	0.63	14.9	-138.0	200	44.48	
1055	7.19	0.691	15.08	0.62	14.9	-138.3	200	44.48	
1100	7.19	0.691	15.35	0.62	14.8	-138.1	200	44.48	
←			SAMPLE						→
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415
Sample time: 1105

NOTE: Sections highlighted in green MUST be completed!!

FieldDataLog_Rev1.4.docx

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-118S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 44.27
Date: 11/15/23	**Well Depth (ft):** 117.0	**DTW (After Pump Placement):** -
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 72.73'
Weather: Sunny 40°F	**Screen Interval:** 117-107	**Start Purge:** 1000
	Pump Intake Depth (ft): 112.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1005	6.31	0.323	7.54	0.73	15.3	-54.0	700	44.27	
10 1010	6.36	0.324	6.89	0.33	15.3	-54.7	700	44.27	
1015	6.37	0.324	8.54	0.15	15.4	-53.7	700	44.27	
20 1020	6.37	0.324	9.01	0.13	15.3	-53.8	700	44.27	
1025	6.37	0.323	10.29	0.13	15.3	-53.2	700	44.26	
30 1030	6.37	0.323	10.93	0.16	15.2	-53.3	700	44.27	
1035	6.36	0.323	11.61	0.30	15.3	-50.2	700	44.27	
1040	6.35	0.323	11.33	0.33	15.3	-48.9	700	44.27	
1045	6.35	0.323	12.13	0.36	15.3	-46.3	700	44.27	
			SAMPLE						
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 23F102624

Sampling start at 1050

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-119D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 96.66
Date: 11/14/23	**Well Depth (ft):** 317'	**DTW (After Pump Placement):** 96.61
Sampler: R.M.gruona	**Well Diameter:** 2"	**Column Height:** 220.34'
Weather: Sunny, 54°F	**Screen Interval:** 307'-317'	**Start Purge:** 1426
	Pump Intake Depth (ft): 312'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' DB Poly, 112' HDPE Drop Tubing	

* DTB 299.4 measured

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1435	11.91	1.427	469.5	11.66	14.2	-126.7	200	96.67	
1440	11.92	1.428	406.9	9.25	14.2	-160.4	200	96.68	
1445	11.92	1.412	278.68	7.79	14.2	-178.9	200	96.68	
1450	11.92	1.3387	247.69	5.84	14.2	-204.9	200	96.68	
1455	11.92	1.372	1619.64	1.71	14.1	-186.9	200	96.68	
1500	11.81	1.287	1519.77	.7	14.1	-229.9	150	96.68'	Water suddenly became very turbid + cloudy
1505	11.82	1.265	1059.22	.61	14.1	-238.7	150	96.68'	
1510	11.81	1.295	448.49	.6	14.1	-241.1	150	96.67'	
1515	11.79	1.298	235.47	.65	14.1	-238.1	150	96.68'	
1520	11.77	1.221	150.07	.68	14.1	-269.9	150	96.68'	
1525	11.76	1.199	97.73	.66	14.1	-237.3	150	96.68'	
1530	11.73	1.166	68.53	.61	14.1	-241.4	150	96.68'	
1535	11.72	1.159	47.12	.6	14.1	-241.8	150	96.68'	
1540	11.72	1.157	46.99	.59	14.2	-241.9	150	96.68'	
1545	11.71	1.159	46.68	.57	14.1	-243.8	150	96.68'	
1550	11.71	1.158	46.66	.56	14.1	-243.5	150	96.68	
1555	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Lowered Flow Rate

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: Many bubbles in flow cell, YSI reading high turbidity even though water appears clear

Sampled @ 1555

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-119S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 96.6
Date: 11/14/23	**Well Depth (ft):** 237'	**DTW (After Pump Placement):** 97.1
Sampler: Cwesterberger	**Well Diameter:** 2"	**Column Height:** 140.9
Weather: SUNNY/ 50°F	**Screen Interval:** 227'-237'	**Start Purge:** 1425
	Pump Intake Depth (ft): 232'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' DB Poly, 32' HDPE Drop Tubing	

DTB: ~~237~~ 238.69

DTB: 238.69

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1430	11.48	0.889	51.09	4.85	14.4	-38.9	150	96.7	
1435	11.49	0.885	35.2	2.06	14.4	-43.2	150	96.7	
1440	11.50	0.882	25.27	0.62	14.4	-59.6	150	96.7	
1445	11.50	0.877	24.82	0	14.4	-61.6	150	96.7	
1450	11.49	0.873	27.74	0	14.4	-63.1	150	96.7	
1455	11.5	0.873	28.85	0	14.4	-64.2	150	96.7	
1500	11.5	0.873	29.15	0	14.3	-65.7	150	96.7	
1505	11.5	0.873	30.65	0	14.3	-66.9	150	96.7	
1510	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor) 20F000285 YSI DSS Pro

Comments: 200' Double Poly 32' HDPE Drop Tube

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-120D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 18.22
Date: 11/16/23	**Well Depth (ft):** 133.0	**DTW (After Pump Placement):** -
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 114.78'
Weather: Sunny, 40°F	**Screen Interval:** 133-123	**Start Purge:** 0920
	Pump Intake Depth (ft): 128.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
0925	6.05	0.529	76.21	0.92	15.2	-89.5	200	18.26	
10 0930	5.78	0.531	138.37	0.73	15.0	-57.8	200	18.26	
0935	5.77	0.531	112.26	0.71	15.0	-53.3	200	18.26	
20 0940	5.75	0.531	97.54	0.70	15.0	-45.4	200	18.26	
0945	5.75	0.532	84.37	0.70	15.0	-43.6	200	18.26	
30 0950	5.75	0.532	85.21	0.68	14.9	-40.2	200	18.26	
0955	5.75	0.532	79.83	0.66	14.9	-37.3	200	18.26	
40 1000	5.75	0.534	86.00	0.65	14.9	-36.1	200	18.26	
←				SAMPLE				→	
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415

sample time: 1005

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-120S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 18.58
Date: 11/16/23	**Well Depth (ft):** ~~20~~ 77.0	**DTW (After Pump Placement):** -
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 58.42'
Weather: Sunny, 40°F	**Screen Interval:** 77-67	**Start Purge:** 0920
	Pump Intake Depth (ft): 72.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** dounle bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
0925	6.03	0.279	286.21	0.67	16.2	-39.3	200	18.58	
0930	5.89	0.276	174.57	0.26	16.3	-19.1	200	18.58	
0935	5.88	0.276	158.91	0.22	16.3	-15.9	200	18.58	
0940	5.87	0.275	146.52	0.21	16.4	-12.8	200	18.58	
0945	5.85	0.275	131.52	0.20	16.4	-10.0	200	18.58	
0950	5.84	0.275	114.32	0.21	16.4	-7.1	200	18.58	
0955	5.82	0.275	97.30	0.21	16.7	-5.2	200	18.58	
1000	5.82	0.275	90.40	0.20	16.8	-4.4	200	18.58	
1005	5.81	0.275	80.21	0.20	16.8	-3.9	200	18.58	
1010	5.81	0.275	78.54	0.19	16.8	-3.4	200	18.58	
1015	5.82	0.275	77.14	0.19	16.8	-4.0	200	18.58	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): US Environmental YSI ProDSS 21E103123/23F102624

Comments:

Very dark/black color water at start

*1020 - Sampled MW-120S

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-121D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 27.55'
Date: 11/15/23	**Well Depth (ft):** 181'	**DTW (After Pump Placement):** 27.50'
Sampler: C. Westenberger	**Well Diameter:** 2"	**Column Height:** 153.45
Weather: Sunny 56°F	**Screen Interval:** 171'-181'	**Start Purge:** 11:45
	Pump Intake Depth (ft):	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** ~~1/8~~ 176' Double Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:50	7.45	0.379	1.20	0	16.1	-185.9	150	27.51	
11:55	7.40	0.380	1.02	0	16.0	-203.1	150	27.50	
12:00	7.36	0.382	0.87	0	15.9	-210.0	150	27.50	
12:05	7.31	0.383	0.89	0	15.9	-215.8	150	27.50	
12:10	7.27	0.385	0.90	0	15.9	-216.1	150	27.50	
12:15	7.24	0.385	1.00	0	15.8	-219.6	150	27.50	
12:20	7.23	0.386	1.10	0	15.8	-222.5	150	27.50	
12:25	7.22	0.387	1.13	0	15.8	-223.8	150	27.50	
12:30	7.21	0.387	1.15	0	15.7	-227.2	150	27.50	
~~12:35~~				SAMPLE					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI Pro DSS

Comments: 176' Double Poly — sampled @ ~~12~~ ~~5~~ 12:35 @

* ODOR

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-121S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 27.88
Date: 11/15/23	**Well Depth (ft):** 102' 103.2' measured	**DTW (After Pump Placement):** 27.82
Sampler: R. Migneco	**Well Diameter:** 2"	**Column Height:** 74.12'
Weather: Sunny, 55°F	**Screen Interval:** 92'-102'	**Start Purge:** 1133
	Pump Intake Depth (ft): 97'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 102" DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1135	7.86	.455	6.33	11.17	16.1	-140.9	150	27.9	
1140	7.5	.512	7.06	.92	16.0	-122.9	150	27.91	
1145	7.25	.536	7.65	.70	15.6	-101.1	150	27.91	
1150	7.18	.531	9.11	.56	15.5	-94.2	150	27.91	
1155	7.1	.525	6.04	.5	15.3	-88.7	150	27.91	
1200	7.07	.523	5.31	.51	15.4	-86.1	150	27.91	
1205	7.02	.520	1.87	.52	15.4	-88.1	150	27.91	
1210	6.97	.520	1.2	.53	15.4	-75.4	150	27.91	
1215	6.96	.520	1.56	.52	15.4	-73.9	150	27.91	
1220	6.95	.519	.66	.51	15.4	-72.3	150	27.91	
1225	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI ProDSS

Comments:

- Sampled @ 1225
- Odor

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-122D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 19.72
Date: 11/16/23	**Well Depth (ft):** 107.0	**DTW (After Pump Placement):** 19.73
Sampler: CK	**Well Diameter:** 2.0	**Column Height:** 87.28'
Weather: Sunny, 50°F	**Screen Interval:** 107-97	**Start Purge:** 1145
	Pump Intake Depth (ft): 102.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1145	6.97	0.411	33.10	3.64	17.2	-62.5	200	19.73	
1150	6.79	0.405	159.35	3.27	16.4	-89.3	200	19.73	
1155	6.53	0.358	231.85	1.81	16.2	-68.8	200	19.74	
1200	6.39	0.333	214.38	1.27	16.3	-54.8	200	19.74	
1205	6.19	0.304	221.31	1.07	16.2	-35.7	200	19.75	
1210	6.15	0.293	217.65	0.91	16.2	-24.2	200	19.75	
1215	6.02	0.285	211.81	0.65	16.3	-19.0	200	19.75	
1245	5.89	0.279	5.79	0.81	16.5	11.5	200	19.75	
1250	5.96	0.243	8.74	0.56	16.4	-14.2	200	19.75	
1255	6.02	0.296	10.69	0.30	16.4	-22.6	200	19.75	
1300	5.95	0.289	11.05	0.21	16.8	-17.9	200	19.75	
1305	5.91	0.285	11.52	0.18	17.5	-16.2	200	19.75	
1310	5.92	0.286	12.99	0.19	18.7	-16.5	200	19.75	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): US Environmental 23E103123/ 23F102624

Comments:

Very turbid/ black debris at start

* 1315 - Sampled MW-122D

1220 - Compressor controller MP10 turned off. Tried new batteries, but didn't work. 1245 resumed purging

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-122S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 19.80
Date: 11/16/23	**Well Depth (ft):** 52.0	**DTW (After Pump Placement):** 19.73
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 32.2'
Weather: Sunny, 50°F	**Screen Interval:** 52-42	**Start Purge:** 1145
	Pump Intake Depth (ft): 47.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1150	4.30	0.797	1.47	2.73	16.8	200.4	200	19.73	
1155	4.25	0.801	1.00	2.89	16.8	230.5	200	19.73	
1200	4.22	0.804	0.56	2.90	16.8	229.4	200	19.73	
1205	4.22	0.806	0.23	2.85	16.8	208.1	200	19.73	
1210	4.23	0.805	0.34	2.79	16.7	186.2	200	19.73	
1215	4.25	0.804	0.27	2.75	16.8	169.5	200	19.73	
1220	4.27	0.802	0.25	2.73	16.7	155.1	200	19.73	
1225	4.28	0.801	0.23	2.70	16.7	140.3	200	19.73	
1230	4.27	0.800	0.21	2.69	16.7	137.3	200	19.73	
1235	4.25	0.803	0.20	2.69	16.7	137.2	200	19.73	
←				SAMPLE					→
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor)

Comments: YSI: 19K101415
Sample time: 1240

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-124D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.83
Date: 11/16/23	**Well Depth (ft):** 123.70	**DTW (After Pump Placement):** 13.85
Sampler: AB/CT	**Well Diameter:** 2"	**Column Height:** -109.85
Weather: 54°F Sun	**Screen Interval:** 112 - 122	**Start Purge:** 10:35
	Pump Intake Depth (ft): 117	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double: 121 Drop: 1	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
10:40	7.91	.321	7.96	2.59	15.9	-29	200	13.85	
10:45	7.84	.324	7.55	0.54	15.2	-138.4	200	13.85	
10:50	8.00	.325	6.46	0.35	15.1	-191.5	200	13.85	
10:55	8.07	.325	5.18	0.27	15.2	-213.7	200		
11:00	8.07	.325	4.21	0.26	15.1	-216.1	200		
11:05	8.07	.325	4.66	0.29	15.1	-211.6	200		
11:10	8.02	.325	4.56	0.30	15.3	-209.1	200		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 21F105731

Comments: 11:15 - Collected Sample

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-124S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.65
Date: 11/16/23	**Well Depth (ft):** 75.00	**DTW (After Pump Placement):** 13.65
Sampler: AB/CT	**Well Diameter:** 2"	**Column Height:** 61.35'
Weather: 54°F Sun	**Screen Interval:** 62-72	**Start Purge:** 10:37
	Pump Intake Depth (ft): 67	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Dublin 67	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
10:40	6.86	0.2559	20.50	1.81	14.9	-96.6	200	13.65	
10:45	6.72	0.2561	14.33	0.53	14.9	-101.4	200	13.65	
10:50	6.55	0.2552	11.26	0.36	14.9	-94.0	200	13.65	
10:55	6.49	0.2543	10.50	0.31	14.9	-89.8	200	—	
11:00	6.48	0.2549	10.05	0.29	14.8	-88.9	200	—	
11:05	6.49	0.2560	9.52	0.28	14.9	-88.8	200	—	
11:10	6.49	0.2589	9.37	0.26	15.1	-88.6	200	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS YSI 20E100828

Comments: 11:20 Collected sample

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-125D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 52.24
Date: 11/13/23	**Well Depth (ft):** 227	**DTW (After Pump Placement):** -
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 174.76'
Weather: Sunny, 40°F	**Screen Interval:** 217'-227'	**Start Purge:** 9:45
	Pump Intake Depth (ft): 222	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200 DB Poly, 22' Drop Tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
9:40	10.78	.023.9	10.76	5.13	13.6	84.3	100	52.25	
945	11.09	.499.6	13.96	2.74	13.6	113.9	100	52.25	
950	8.63	.373.6	28.41	1.08	13.7	149.5	200	52.25	
955	8.35	.378.6	12.63	0.85	13.7	191.4	200	52.25	
1000	8.34	.378.7	8.77	0.80	13.8	198.8	200	52.25	
1005	8.33	.379	8.30	0.78	13.7	200.8	200	52.25	
1010	8.33	.379	7.08	0.76	13.8	201.0	200	52.25	
1015	8.34	0.379	5.86	0.73	13.8	203.0	200	52.26	
1020	8.35	0.380	5.63	0.72	13.8	205.1	200	52.25	
1025	8.35	0.382	5.33	0.69	13.8	209.1	200	52.25	
←				SAMPLE					→
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415
Sampled collected at 1030

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-125S	52.08
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 52.08
Date: 11/13/23	**Well Depth (ft):** 155	**DTW (After Pump Placement):** 52.04
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 102.92'
Weather: Sunny 40°F	**Screen Interval:** 145'-155'	**Start Purge:** 1000
	Pump Intake Depth (ft): 150	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** poly double band	

	Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
0	1000	7.94	0.382	100.08	1.16	14.3	-157.4	150	~~25.04~~	52.04
5	1005	7.86	0.373	16.03	0.53	14.2	-154.5	150	51.99	
10	1010	7.84	0.373	15.02	0.44	14.2	-155.2	150	51.97	~~51.97~~
15	1015	7.82	0.372	7.13	0.37	14.2	-155.0	150	51.97	
20	1020	7.80	0.371	4.80	0.33	14.3	-154.5	150	51.97	
	1025	7.79	0.370	4.16	0.30	14.3	-153.7	150	51.97	
30	1030	7.78	0.371	4.19	0.29	14.3	-149.2	150	51.97	
	1035	7.77	0.370	4.15	0.30	14.4	-150.3	150	51.97	
				SAMPLE						
					ER					
		+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 23F1026024

Sample time: 1040

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-126D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 65.17
Date: 11/13/2023	**Well Depth (ft):** 334.5	**DTW (After Pump Placement):** 65.85
Sampler: AB, CZ	**Well Diameter:** 2"	**Column Height:** 269.15
Weather: 40°F Sun	**Screen Interval:** 327 - 337	**Start Purge:** 10:35
	Pump Intake Depth (ft): 332	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 200; Drop 132	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
10:45	12.14	2.548	6.59	6.71	14.1	-10.1	150	65.85	
10:50	12.30	2.353	7.53	3.17	14.1	-29.6	150	65.85	
10:55	12.32	2.110	10.57	2.23	14.0	-35	150	65.85	
11:00	12.26	1.589	14.47	1.51	14.1	-41.3			
11:05	12.15	1.292	18.58	1.01	14.1	-47.4			
11:10	12.14	1.250	18.65	0.87	14.2	-58.9			
11:15	12.13	1.221	15.01	0.77	14.1	-72.4			
11:20	12:13	1.218	14.22	0.75	14.1	-77.9			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): PRO DSS YSI 21F105731

Comments: Sampled @ 11:30

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1265	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 65.00
Date: 11/13/23	**Well Depth (ft):** 218.50	**DTW (After Pump Placement):** 65.00
Sampler: AB+CZ	**Well Diameter:** 2"	**Column Height:** 153.5'
Weather: 40°F Sonny	**Screen Interval:** 207 - 217	**Start Purge:** 10:40
	Pump Intake Depth (ft): 212	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double 200; Drop 12	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
10:45	8.116	3.140	4.28	3.42	14.6	-98.2	200	—	
10:50	7.96	3.131	4.47	1.34	14.5	-91.4	200	—	
10:55	7.97	3.125	3.51	0.74	14.4	-131.4	200	—	
11:00	7.99	3.122	2.96	0.58	14.4	-141.0	200	65.0	
11:05	8.00	3.123	2.85	0.50	14.4	-143.5	200	65.0	
11:10	7.99	3.125	2.13	0.45	14.4	-147.1	200	65.0	
11:15	7.98	3.125	2.07	0.42	14.3	-148.16	200	—	
11:20	7.98	3.125	2.01	0.40	14.2	-148.8	200	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS 451 20E100828

Comments: Sampled at 11:20

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-127D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 14.38
Date: 11/16/23	**Well Depth (ft):** 145.8	**DTW (After Pump Placement):** 14.40
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 131.42'
Weather: 43°F Sun	**Screen Interval:** 136-146	**Start Purge:** 8:35
	Pump Intake Depth (ft): 141'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 141' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:40	4.83	0.1430	5.57	0.83	12.9	88.4	150	14.40	
8:45	4.91	0.1429	4.92	0.69	12.7	85.2	150	14.40	
8:50	5.05	0.1427	4.62	0.70	12.2	75.5	150	14.40	
8:55	5.06	0.1429	4.48	0.73	12.1	71.5	150	—	
9:00	2.96	0.0010	3.14	2.07	12.2	84.0	150	—	
9:05	5.07	0.1419	5.00	1.47	13.1	79.6	150	—	
9:10	5.07	0.1421	6.26	0.34	13.2	67.7	150	—	
9:15	5.08	0.1418	5.80	0.27	13.2	63.5	150	—	
9:20	5.08	0.1415	5.83	0.26	13.2	62.4	150	—	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): Pro DSS 451 20E100828

Comments:

9:00 - Compressor was off and didn't have water in the chamber
9:25. Collected Sample

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-127S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.97
Date: 11/16/23	**Well Depth (ft):** 80.1	**DTW (After Pump Placement):** 13.90
Sampler: AB/CZ	**Well Diameter:** 2"	**Column Height:** 66.2
Weather: 43°F Sun	**Screen Interval:** 72-82	**Start Purge:** 8:35
	Pump Intake Depth (ft): 77	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:**	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:40	5.12	.088	4.92	1.46	13.5	43.0	200	13.90	
8:45	4.99	.087	5.26	1.44	13.5	82.0	200	13.90	
8:50	5.05	.088	32.05	1.83	13.5	91.8	200	13.90	
8:55	5.12	.090	52.10	1.90	13.5	96.8	200		
9:00	5.13	.093	55.19	1.91	13.6	87.3	200		
9:05	5.13	.089	38.40	3.41	13.5	91.4	200		
9:10	5.11	.089	37.50	5.21	13.5	101.6	200		
9:15	5.15	.090	39.50	1.81	13.5	93.6	200		
9:20	5.17	.092	27.47	1.36	13.5	89.0	200		
9:25	5.17	.091	32.59	1.29	13.5	88.5	200		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 21F105731

Comments: Sample @ 9:30

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-128S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 12.68'
Date: 11/29/23	**Well Depth (ft):** 21'	**DTW (After Pump Placement):** 12.65'
Sampler: Bonignone	**Well Diameter:** 2"	**Column Height:** ≈ 8.32'
Weather: 32°F, Windy	**Screen Interval:** 11'-21'	**Start Purge:** [redacted] 1036
	Pump Intake Depth (ft): 16'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 16' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1040	5.98	1.091	373.65	8.82	15.1	82.7	200	12.7	
1045	5.95	1.089	370.1	8.28	15.3	84.0	200	12.71	
1050	5.94	1.071	236.5	8.05	15.6	91.2	200	12.71	
1055	5.94	1.069	210.7	8.00	15.5	89.8	200	12.72	
1100	6.94	1.066	153.49	7.95	15.6	89.9	200	12.72	
1105	5.94	1.04	122.6	7.87	15.6	89.8	200	12.72	
1110	5.94	1.037	113.75	7.84	15.7	89.8	200	12.72	
1115	5.94	1.025	93.74	7.8	15.7	90.1	200	12.72	
1120	5.94	1.016	91.49	7.77	15.9	90.2	200	12.72	
1125	5.94	1.006	77.48	7.72	15.6	90.4	200	12.72	
1130	5.94	1.003	70.62	7.69	15.8	90.7	200	12.72	
1135	5.94	1.001	70.9	7.69	15.7	90.4	200	12.72	
1140	5.94	1.000	69.21	7.67	15.9	90.5	200	12.72	
1145	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 23F102622 YSI Pro DSS

Comments:

Sampled @ 1145

Orange tint to purgewater

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-129S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 12.9'
Date: 11/29/23	**Well Depth (ft):** 22'	**DTW (After Pump Placement):** 12.88'
Sampler: R.Mignona/D.Morales	**Well Diameter:** 2"	**Column Height:** 9.1'
Weather: 35°F, windy	**Screen Interval:** 12'-22'	**Start Purge:** 1222
	Pump Intake Depth (ft): 17'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 17' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1230	6.39	0.540	202.5	4.73	16.3	173.2	180		
1235	6.42	0.545	505.2	5.04	16.4	175.6			
1240	6.43	0.547	371.0	5.19	16.4	177.1			
1245	6.44	0.547	382.7	5.32	16.5	178.5			
1250	6.45	0.549	289.5	5.42	16.3	179.5			
1255	6.45	0.548	269.5	5.40	16.5	180.0			
1300	6.46	0.555	260.1	5.35	16.6	180.3			
1305	6.46	0.553	[illegible] 157.4	5.36	16.7	180.8			
1310	6.46	0.553	154.2	5.33	16.5	180.9			
1315	6.47	0.555	151.8	5.31	16.5	181.2			
1320	6.52	0.559	108.1	5.34	16.4	[illegible] 156.7			
1326	6.48	0.559	109.2	5.36	16.4	[illegible] 159.1			
1330	6.48	0.559	109.9	5.34	16.6	168.2			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 18D100748 YSI ProDSS

Comments: Sampled @ 1335

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-130D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 29.49
Date: 11/17/23	**Well Depth (ft):** 101.0	**DTW (After Pump Placement):** 29.50
Sampler: CL	**Well Diameter:** 2.0	**Column Height:** 71.51'
Weather: Sunny, 60°F	**Screen Interval:** 101-91	**Start Purge:** 1155
	Pump Intake Depth (ft): 96.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double bond poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1200	8.41	0.293	1.42	1.71	15.3	-158.3	150	29.50	
1205	5.70	0.442	383.14	0.58	14.8	-26.1	150	29.50	
1210	5.47	0.544	389.50	0.33	14.6	-17.7	150	29.50	
1215	5.45	0.542	347.10	0.29	14.6	20.2	150	29.50	
1220	5.39	0.536	215.10	0.25	14.5	24.4	150	29.50	
1225	5.32	0.531	93.12	0.22	14.5	26.5	150	29.50	
1230	5.34	0.541	54.52	0.19	14.4	20.9	150	29.50	
1235	5.33	0.544	41.85	0.18	14.4	19.0	150	29.50	
1240	5.32	0.545	36.23	0.17	14.5	18.9	150	29.50	
1245	5.30	0.545	35.21	0.16	14.5	17.8	150	29.50	
1250	5.28	0.545	35.06	0.17	14.5	17.7	150	29.50	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: US Environmental 23E103123/23F102624

*1300 – Sampled MW-130D

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-130S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 29.21
Date: 11/17/23	**Well Depth (ft):** ~~38.0~~ 71.0	**DTW (After Pump Placement):** 29.19
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 49.79'
Weather: Sunny 60°F	**Screen Interval:** 71-61	**Start Purge:** 1205
	Pump Intake Depth (ft): 66.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double hand poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1210	5.60	0.509	150.71	0.82	14.7	17.2	200	29.37	
1215	5.58	0.513	120.63	0.70	14.7	11.1	200	29.37	
1220	5.57	0.523	78.98	0.68	14.6	1.4	200	29.37	
1225	5.57	0.521	56.15	0.606	14.4	-1.9	200	29.37	
1230	5.56	0.519	42.93	0.64	14.4	-12.3	200	29.37	
1235	5.55	0.520	41.51	0.65	15.0	-17.5	200	29.37	
~~1240~~	~~5.60~~	~~0.518~~	~~10.01~~	~~0.82~~	~~15.0~~	~~-38.8~~	~~200~~	~~29.37~~	
~~1245~~	~~5.59~~	~~0.517~~	~~5.32~~	~~0.71~~	~~14.9~~	~~-42.6~~	~~200~~	~~29.37~~	
1310	5.58	0.516	4.00	0.67	14.7	-43.3	200	29.37	
1315	5.57	0.516	3.49	0.71	14.7	-47.1	200	29.37	
1320	5.57	0.518	4.02	0.72	14.6	-51.2	200	29.37	
←				SAMPLE				→	
				ER					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

compressor generator not working, switch for new

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415
Sample time: 1325

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-131D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 11.55
Date: 11/17/23	**Well Depth (ft):** 80.0	**DTW (After Pump Placement):** 11.43
Sampler: ER	**Well Diameter:** 2.0	**Column Height:** 68.45'
Weather: Sunny, 50°F	**Screen Interval:** 80-70	**Start Purge:** @ 0915
	Pump Intake Depth (ft): 75.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double hand poly	

	Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
	0920	11.44	1.064	802.72	0.73	14.4	-249.2	200	11.98	
10	0925	11.32	0.891	205.30	0.75	14.4	-249.3	200	11.98	
	0930	11.03	0.595	104.21	0.70	14.6	-241.0	200	11.98	
20	0935	10.57	0.450	55.87	0.69	14.6	-242.9	200	11.98	
	0940	10.08	0.416	25.34	0.62	14.6	-253.5	200	11.98	
30	0945	9.84	0.414	23.09	0.59	14.6	-261.3	200	11.98	
	0950	9.63	0.416	17.48	0.56	14.7	-270.4	200	11.98	
40	0955	9.37	0.422	15.36	0.53	14.6	-309.1	200	11.98	
	1000	9.17	0.429	11.43	0.51	14.6	-362.9	200	11.98	
50	1005	9.08	0.433	10.03	0.50	14.6	-371.2	200	11.98	
	1010	8.94	0.439	7.43	0.49	14.7	-362.0	200	11.98	
60	1015	8.83	0.443	6.60	0.49	14.7	-356.1	200	11.98	
	1020	8.70	0.450	6.66	0.49	14.8	-423.7	200	11.98	
70	1025	8.59	0.455	6.89	0.48	14.8	-435.8	200	11.98	
	1030	8.53	0.457	~~5.73~~ 6.31	0.48	14.8	-437.1	200	11.98	
80	1035	8.50	0.457	6.33	0.48	14.8	-440.7	200	11.98	
				SAMPLE						
		+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: YSI: 19K101415

Sample time: 1040

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1315	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 11.30
Date: 11/17/23	**Well Depth (ft):** 38.0	**DTW (After Pump Placement):** 11.47
Sampler: CK	**Well Diameter:** 2.0	**Column Height:** 26.7'
Weather: Sunny 50°F	**Screen Interval:** 28'-38'	**Start Purge:** 0912
	Pump Intake Depth (ft): 33.0	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:**	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
0915	6.19	0.556	344.29	1.80	14.7	-96.0	200	11.53	
0920	6.09	0.501	291.34	0.28	14.8	-81.4	200	11.59	
0925	6.09	0.511	196.50	0.14	14.9	-79.4	200	11.62	
0930	6.11	0.525	125.41	0.08	14.9	-78.9	200	11.62	
0935	6.13	0.527	82.74	0.04	14.9	-79.1	200	11.62	
0940	6.13	0.536	73.14	0.03	14.9	-78.6	200	11.62	
0945	6.13	0.535	65.66	0.01	14.9	-78.2	200	11.62	
0950	6.13	0.532	64.21	0.01	14.9	-78.0	200	11.62	
0955	6.13	0.530	57.60	0.01	15.0	-77.6	200	11.62	
1000	6.15	0.527	62.32	0.01	15.0	-77.2	200	11.62	
1005	6.13	0.523	71.40	0.01	15.0	-76.6	200	11.62	
1010	6.13	0.524	72.89	0.01	15.0	-76.7	200	11.62	
1015	6.14	0.525	71.64	0.01	15.0	-76.8	200	11.62	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: US Environmental 23E103123/23F102624

* 1020 – Sampled MW-1315, DUP-111723, MW-1315_MS, MW-1315_MSD

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-132D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.90
Date: 11/16/23	**Well Depth (ft):** 96.05	**DTW (After Pump Placement):** 13.95
Sampler: K. O'Donnell	**Well Diameter:** 2in	**Column Height:** 82.15
Weather: Sunny, 46°F	**Screen Interval:** 85'-95'	**Start Purge:** 09:10
	Pump Intake Depth (ft): 90'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double Bonded 89.5ft Drop tubing 0.5 ft	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
915	5.31	0.665	69.23	2.44	15.2	-73.5	250	13.95	Slight cloudy/ gray color
920	5.33	0.682	56.43	0.96	15.2	-67.3	195	13.95	
925	5.40	0.705	100.32	0.65	15.6	-68.8	175	13.95	
930	5.44	0.713	112.80	0.58	15.4	-57.7	150		lowered purge rate
935	5.44	0.715	184.29	0.52	15.9	-44.8	150		
940	5.43	0.715	175.71	0.42	15.7	-39.0	200		
945	5.43	0.719	159.68	0.43	15.3	-33.0	295		
950	5.42	0.719	171.10	1.58	15.4	1.2	240		
955	5.42	0.716	189.73	0.92	15.7	-12.8	325		
1000	5.35	0.690	155.72	0.76	16.1	-82.8	225		water cloudier + lowered purge rate
1005	5.36	0.680	186.11	0.47	15.9	-87.7	225		
1010	5.37	0.693	181.32	0.41	15.8	-78.2	↓225		
1015	5.37	0.694	198.44	0.38	16.0	-76.0	↓225		
~~1020~~									
1025	5.38	0.698	135.03	0.39	15.8	-76.4	↓250		>250
1030	5.42	0.705	188.79	0.33	15.8	-64.6	↓250		
1035	5.39	0.703	199.09	0.33	15.9	-52.1	↓250		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

adjusted rate

Rental Equipment Details (Serial/Vendor): YSI Pro DSS 20E100150

Comments:

942 - air valve opened on air compressor, turned off, let air out + started up again + @ 1000, 1013, 1020

945 - emptied flow cell after reading (comments cont. on back)

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-132D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** SAA
Date: 11/16/23	**Well Depth (ft):** SAA	**DTW (After Pump Placement):**
Sampler: K. O'Donnell	**Well Diameter:**	**Column Height:**
Weather: Sunny, 53°F	**Screen Interval:**	**Start Purge:**
	Pump Intake Depth (ft):	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** SAA	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1040	5.43	0.703	192.08	0.32	15.9	-45.3	250	13.95	
1045	5.40	0.709	108.17	0.32	16.3	-42.3	250		knocked bubbles out of flow cell
1050	5.40	0.708	106.12	0.32	15.9	-39.0			
1055	5.41	0.711	95.72	0.30	15.9	-37.7			
1100	5.41	0.710	101.57	0.29	15.9	-35.8			
1105	5.43	0.713	85.53	0.33	15.9	-33.6			knocked bubbles out of flow cell
1110	5.44	0.714	84.40	0.32	15.9	-32.4			
1115	5.46	0.712	90.86	0.30	15.9	-30.8			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI Pro DSS 20E100150

Comments: Sampled @ 1126

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-1325	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.66'
Date: 11-16-23	**Well Depth (ft):** 49.7	**DTW (After Pump Placement):** 13.66'
Sampler: MS	**Well Diameter:** 2"	**Column Height:** 36.04
Weather: 50°F, Sunny, 5mph WSW winds	**Screen Interval:** 40 - 50'	**Start Purge:** 0918
	Pump Intake Depth (ft): 45	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 44 ft DB Poly.	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	*Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
0930	4.19	0.365	20.10	3.28	15.1	219.0	300	13.66	
0935	4.11	0.359	21.80	2.80	15.1	266.9	300	13.66	
0940	4.13	0.361	22.50	2.74	15.1	279.3	300	13.66	
0945	4.13	0.361	23.95	2.67	15.2	278.9	300	13.66	
0950	4.15	0.361	24.61	2.64	15.2	282.8	300	13.66	
0955	4.14	0.361	29.97	2.60	15.2	286.3	300	13.66	
1000	4.16	0.363	11.07	2.80	15.2	294.6	300	13.66	*emptied flow cell due to air bubbles
1005	4.16	0.363	10.35	2.76	15.2	296.6	300	13.66	
1010	4.15	0.363	9.49	2.72	15.3	302.2	300	13.66	
1015	SAMPLED Per Method 1633, MFS-IDA, BFS-IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N 21K104086 from US Environmental

*Comments:
*YSI failed Air-Sat H_2O check during cal.; readings may be biased high. or low.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-133D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 12.21'
Date: 11-16-23	**Well Depth (ft):** 96'	**DTW (After Pump Placement):** 12.21'
Sampler: MJ	**Well Diameter:** 2"	**Column Height:** 83.79
Weather: 61°F, Sunny, 5mph WSW winds	**Screen Interval:** 86-96'	**Start Purge:** 1220
	Pump Intake Depth (ft): 91	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 15ft HDPE Disp. + 75ft DB Poly.	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	# Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1220	6.18	0.446	2.75	4.06	17.4	-67.0	300	12.30	clear
1225	5.28	0.287	5.32	0.77	16.0	-41.7	300	12.30	clear
1230	5.23	0.286	4.36	0.43	15.8	-54.6	300	12.29	clear
1235	5.44	0.298	45.82	0.33	15.7	-65.3	300	12.26	cloudy
1240	5.60	0.310	90.22	0.28	15.8	-65.4	250	12.29	cloudy
1245	5.67	0.317	99.52	0.25	15.8	-63.2	250	12.29	cloudy
1250	5.71 ✓	0.320 ✓	95.14 ✓	0.23 ✓	15.7 ✓	-62.7	250	12.29	cloudy
1255	SAMPLED Per Method 1633, MFS_IDA, BHS_IDA								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS S/N 21K104086

Comments:
YSI failed Air-Sat. H_2O check during cal.; readings may be biased high or low.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-133S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 12.30
Date: 11/16/23	**Well Depth (ft):** 50.15	**DTW (After Pump Placement):** 12.30
Sampler: K. O'Donnell	**Well Diameter:** 2in	**Column Height:** 37.85
Weather: 60°F Sunny	**Screen Interval:** 40-50	**Start Purge:** 1217
	Pump Intake Depth (ft): 45	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double Bonded 45AP	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1220	5.20	0.225	35.57	5.52	17.1	95.7	250	12.30	
1225	4.88	0.207	28.52	2.90	16.3	173.9	250	12.30	
1230	4.88	0.206	25.56	1.96	16.1	194.0	250	12.30	
1235	4.85	0.206	37.11	1.73	16.2	212.9			
1240	4.89	0.206	22.05	1.65	16.0	191.7			
1245	4.85	0.206	26.53	1.61	15.9	218.6			
1250	4.85	0.206	21.78	1.59	15.8	225.0			
1255	4.85	0.206	18.41	1.58	15.8	229.8			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI Pro DSS # 20E100150

Comments: Sampled @ 1300

NOTE: Sections highlighted in green MUST be completed!!

FieldDataLog_Rev1.4.docx

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-134D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 26.56
Date: 11/15/23	**Well Depth (ft):** 168'	**DTW (After Pump Placement):** 25.2
Sampler: R. Mignone	**Well Diameter:** 2"	**Column Height:** 141.44'
Weather: Sunny, 40°F	**Screen Interval:** 158-168	**Start Purge:** 819
	Pump Intake Depth (ft): 163'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 168' DB Poly,	

DTB: 160.23

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
925	12.56	13.833	105.4	6.82	13.6	-104.6	150	26.61	
930	13.02	13.896	269.91	4.82	14.8	-141.6	150	27.59	
935	13.00	13.684	2.21	5.40	13.9	-135.6	150	27.61	
940	13.04	13.779	1.58	5.52	14.1	-141.9	150	27.61	
945	13.08	13.855	.33	4.95	14.2	-144.6	150	27.61	
850	13.19	13.909	10.09	4.66	14.5	-151.5	150	27.62	
855	12.22	13.909	27.32	4.67	14.6	-152.4	150	27.62	
900	13.23	13.910	28.34	4.66	14.6	-152.6	150	27.62	
905	13.23	13.910	28.06	4.65	14.7	-152.6	150	27.62	
910	13.24	13.912	29.12	4.67	14.7	-152.4	150	27.62	
915	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

emptied flow cell → checked MS/CM for accuracy

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: Slight sheen on purgewater

Sampled @ 915

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-134S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 26.45
Date: 11/15/23	**Well Depth (ft):** 90'	**DTW (After Pump Placement):** 26.59
Sampler: C. Westenberger	**Well Diameter:** 2"	**Column Height:** 63.55'
Weather: Sunny / 40°F	**Screen Interval:** 80-90	**Start Purge:** 8:25
	Pump Intake Depth (ft): 85'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 85' Double poly	

DTB 90.5'

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
8:30	8.06	0.357	85.11	0	14.8	-159.4	150	26.62	
~~8:35~~ 8:35	~~8.26~~ 8.26	0.355	73.39	0	14.9	-189.3	150	26.62	
8:40	8.26	0.353	59.17	0	14.8	-200.2	150	26.62	
8:45	8.24	0.353	57.04	0	14.9	-204.3	150	26.62	
8:50	8.39	0.352	54.16	0	14.9	-198.1	150	26.62	
8:55	8.34	0.352@	52.05	0	14.9	-185.5	150	26.62	
9:00	8.34	0.352	51.76	0	14.9	-200.6	150	26.62	
9:05	8.33	0.352	51.35	0	14.9	-208.3	150	26.62	
9:10	8.15	0.353	50.12	0	14.9	-216.4	150	26.62	
9:15	8.01	0.356	49.98	0	14.9	-215.8	150	26.62	
9:20	7.90	0.356	50.01	0	14.9	-214.1	150	26.62	
9:25	7.48	0.364	49.53	0	14.9	-205.6	150	26.62	
9:30	7.48	0.365	50.23	0	14.9	-204.8	150	26.62	
9:35	7.48	0.365	50.03	0	14.9	-203.1	~~150~~	~~26.62~~	
9:40				SAMPLE					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000285 YSI DSS Pro

Comments:

85' of Double Poly SAMPLED @ 9:40

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-135D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 81.76'
Date: 11/13/23	**Well Depth (ft):** 290'	**DTW (After Pump Placement):** 81.90
Sampler: C. Westenberger	**Well Diameter:** 2"	**Column Height:**
Weather: Sunny/ 40-50F	**Screen Interval:** 280'-290'	**Start Purge:** 11:20
	Pump Intake Depth (ft): 285'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' Double, 7/7 HPP	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
11:25	10.22	0.384	1252	6.37	13.9	98.0	150	81.90	
11:30	9.96	0.374	1269	5.21	13.8	96.4	150	81.84	
11:35	9.87	0.377	1300	4.84	14.0	94.1	150	81.80	
11:40	9.84	0.382	1362	4.83	13.7	90.0	150	81.76	
11:45	9.90	0.398	1436.0	4.13	13.7	62.9	150	81.74	
11:50	9.91	0.415	6400	3.99	13.8	53.6	150	81.63	
11:55	9.92	0.437	5322	3.90	13.8	43.8	150	81.53	
12:00	10.02	0.578	6236	2.35	13.7	-1.67	150	81.42	
12:05	10.10	0.693	5167	2.22	13.7°	-114.9	150	81.33	
12:10	10.27	0.669	5863	2.15	13.7	-119.6	150	81.24	
12:15	10.25	0.670	5627	2.09	13.8	-120.1	150	81.14	Turbidity very High contacted CEAD
12:20	10.24	0.671	4432	2.07	13.8	-122.3	150	81.04	
12:25	1024	0.673	4265	2.06	13.7	-125.9	150	80.98	
12:30	10.22	0.675	4031	2.08	13.7	-127.3	150	80.96	
12:35	10:20	0.675	3959	2.09	13.8	-131.2	150	80.94	
12:40	10.21	0.675	3542	2.04	13.7	-133.9	150	80.84	
12:45	10.22	0.683	3735	2.00	13.8	-135.6	150	80.75	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: very turbid 5000 to 6000 NTU

→ Pg 2 of 2 →

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-135D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 81.76
Date: 11/13/23	**Well Depth (ft):** 290	**DTW (After Pump Placement):**
Sampler: CWS/Stenberger	**Well Diameter:**	**Column Height:**
Weather: Sunny/ 40-50F°	**Screen Interval:**	**Start Purge:** 11:20
	Pump Intake Depth (ft): ~~270~~ 277 @	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder HDP	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' Double 77	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
12:50	10.25	0.692	4377	1.13	14.0	-223.5	150	80.63	
12:55	10.26	0.702	4567	1.11	13.9	-226.0	150	80.55	
13:00	10.26	0.705	5862	0.83	14.0	-231.3	150	80.45	
13:05	10.26	0.709 @	5467	0.60	14.0	-242.6	150	80.36	
1310	10.25	0.710	6211	0.18	14.0	-252.3	150	80.27	
1315	10.26	0.713	6246	0.18	13.7	-235.6	150	80.16	
1320	10.27	0.716	6253	0.17	13.9	-212.9	150	80.07	
1325	10.27	0.760	6910	0.17	13.9	-236.1	150	~~80~~ 79.96 @	
1330	10.28	0.793	7136	0.16	13.9	-258.5	150	79.84 @	
1335	10.30	0.785	6278	0.16	14.0	-270.0	350	79.70 Adjust	* purge rate to 350 @
1340	10.31	0.789	6283	0.15	14.0	-273.3	350	79.62	
1345	10.33	0.791	6285	0.15	14.0	-277.3	350	79.56	
1350	10.34	0.797	6961	0.15	14.0	-285.1	350	79.41	
1355	10.36	0.800	6389	0.15	14.1	-292.5	350	79.27	
1400	10.37	0.804	6385	0.15	14.1	-299.9	350	79.11	
1405	10.38	0.806	6399	0.15	14.0	-304.1	350	78.98	
1410	10.38	0.807	6042	0.15	14.0	-307.9	350	78.84	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: At 13:35 ORP Recon to change purge rate from 150 - 350.

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-135D	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 81.76
Date: 11/13/23	**Well Depth (ft):** 290	**DTW (After Pump Placement):**
Sampler: N. Westenberger	**Well Diameter:**	**Column Height:**
Weather: Sunny/ 40-50°F	**Screen Interval:**	**Start Purge:** 11:20
	Pump Intake Depth (ft): 277	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' Double 7/7' HDPE	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1415	10.39	0.808	6401	0.15	14.0	-314.2	350	78.70	
1420	10.40	0.809	6750	0.15	14.0	-246.3	350	78.56	
1425	10:39	0.807	6702	0.14	13.9	-262.1	350	78.39	
1430	10.38	0.806	6666	0.14	13.9	-285.4	350	78.26	
1435	10:38	0.805	6637	0.14	13.9	-298.2	350	78.10	
1440	10.37	0.803	6612	0.14	13.9	-308.9	350	77.96	
1445	10.37	0.800	6850	0.14	13.7	-315.2	350	77.83	
1450	10:36	0.800	7045	0.14	13.9	-319.7	350	77.69	
1455	10:35	0.797	7133	0.14	13.9	-322.8	350	77.56	
1500	10.33	0.795	7211	0.14	13.9	-328.9	350	77.40	
1505	10:32	0.794	7265	0.14	13.9	-330.6	350	77.28	
1510	10.31	0.794	7184	0.14	13.9	-331.8	350	77.13	
1515	10.30	0.793	7145	0.14	13.9	-333.4	350	77.00	
1520	10.29	0.790	7136	0.14	13.9	-331.9	350	76.86	
1525	10.29	0.787	7123	0.14	13.9	-329.6	350	76.71	
1530				SAMPLE					
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor):

Comments: 200' Double, 7/7' HDPE – SAMPLER @ 15:30

NOTE: Sections highlighted in green MUST be completed!!

FieldDataLog_Rev1.4.docx

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** MW-135S	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 81.64'
Date: 11/13/23	**Well Depth (ft):** 240'	**DTW (After Pump Placement):** 81.6
Sampler: RM	**Well Diameter:** 2"	**Column Height:** 158.36'
Weather: 41°F Sunny	**Screen Interval:** 230'-240'	**Start Purge:** 1113
	Pump Intake Depth (ft): 235'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 200' DB Poly, 36' LDPE Drop Tubing	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1115	11.56	1.277	1.21	4.59	13.8	64.4	200	81.7	
1120	11.86	1.388	6.55	1.15	14.1	8.7	200	81.7	
1125	11.89	1.386	4.37	0.92	14.1	-6.9	200	81.71	
1130	11.9	1.386	8.2	0.84	14.1	-15.3	200	81.7	
1135	11.9	1.381	9.56	0.77	14.0	-22.5	200	81.7	
1140	11.9	1.379	10.38	0.74	14.0	-30	200	81.71	
1145	11.88	1.377	10.42	0.72	14.0	-33.8	200	81.71	
1150	11.87	1.374	10.50	0.69	14.0	-39.2	200	81.71	
1155	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 20F000286 YSI Pro DSS

Comments: Sampled @ 1155

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** P-25	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.30
Date: 11/29/23	**Well Depth (ft):** 29.68	**DTW (After Pump Placement):** 13.30
Sampler: KO	**Well Diameter:** 4 in	**Column Height:** 16.38
Weather: 30° F, Sunny wind: 7 mph, icy	**Screen Interval:** 14-29'	**Start Purge:** 1025
PID Readings (Background): NA	**Pump Intake Depth (ft):**	**Purge Method:** Low-Flow
Below Cap: NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
	Tubing Type: Double Bonded 22'	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1030	6.18	0.239	5.77	4.97	10.4	173.3	150	13.30	
1035	6.03	0.238	5.15	1.76	13.1	148.1	175	13.30	
1040	6.04	0.240	4.82	1.55	13.6	134.5	175	13.30	
1045	6.04	0.239	4.86	1.43	13.6	130.0	175		
1050	6.05	0.239	4.65	1.68	13.8	124.9			
1055	6.05	0.239	4.37	1.80	13.9	123.7			
1100	6.05	0.239	4.13	1.66	13.8	115.5			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI Pro DSS # 23H03106

Comments: Sampled @ 1105

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** RSD	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** ~~20.58~~ 20.58
Date: 11/28	**Well Depth (ft):** 255	**DTW (After Pump Placement):** 20.78
Sampler: DM	**Well Diameter:** 2"	**Column Height:** 234.42
Weather: 38° sunny	**Screen Interval:** 250-255	**Start Purge:** 1035
	Pump Intake Depth (ft): 253	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** double lined	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1045	6.84	0.941	1.4	10.8	6.83	-107.2	20.78	12.5	
1050	6.85	0.939	1.3	0.26	13.6	-114.8	20.75		
1055	6.95	0.973	1.1	~~0.50~~	13.9	-122.9	20.75		
1100	6.96	0.974	1.0	~~0.43~~	13.7	-123.4	~~20.64~~		
1105	6.97	0.974	1.1	0.36	13.8	-123.9	20.53		
1110	6.97	0.980	1.1	0.31	14.0	-124.2	20.47		
1115	6.98	0.983	1.1	0.28	14.0	-124.0	20.47		
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI Pro DSS 18C104176

Comments: samples @ 1120

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** P-3I	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 17.22'
Date: 11/28/23	**Well Depth (ft):** 111'	**DTW (After Pump Placement):** 17.16'
Sampler: R. Mignone	**Well Diameter:** 4"	**Column Height:** 93.78
Weather: 38°F Sunny	**Screen Interval:** 101'-111'	**Start Purge:** 1140
	Pump Intake Depth (ft): 106'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 111' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1145	6.1	.629	34.82	4.01	13.8	11	200	17.15	
1150	6.06	.572	30.41	1.75	14.0	17.2	200	17.14	
1155	6.00	.557	4.42	.79	14.1	22.6	200	17.14	
1200	6.03	.556	4.03	.38	14.1	29.0	200	17.14	
1205	6.02	.555	2.94	.34	14.3	31.4	200	17.13	
1210	6.01	.546	2.67	.3	13.9	33.6	200	17.13	
1215	6.0	.529	2.34	.26	13.9	36.2	200	17.13	
1220	6.0	.536	2.12	.26	13.9	37.2	200	17.13	
1225	6.0	.530	2.67	.24	13.9	38.2	200	17.13	
1230	Sampled								
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 23F102622 YSI ProDSS

Comments:

Sampled @ 1230

NOTE: Sections highlighted in green MUST be completed!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** P-35	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 14.27'
Date: 11/28/23	**Well Depth (ft):** 21' 17.7' measured	**DTW (After Pump Placement):** 14.21'
Sampler: R. Mignone	**Well Diameter:** 4"	**Column Height:** 3.43'
Weather: 38°F, Windy	**Screen Interval:** 6'-21'	**Start Purge:** 1015
	Pump Intake Depth (ft): 16'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** 16' DB Poly	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
start purge → 1015	6.01	2.399	876.63	4.68	14.6	-4.1	600	14.30'	
end → 1106	6.18	2.759	128.17	4.86	15.9	11.9	600	15.1'	
post sample → 1115	6.18	2.785	54.52	3.78	15.9	25.7	600	14.99'	
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): 23F102622 YSI Pro DSS

Comments: Placed pump at 16' due to DTW being below 14'

Bottom of well very soft + muddy

3 volume purge = 6.72 gallons

Sampled @ 1110

3 vol. purge due to turbidity and recharge issues previously observed

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** D-65	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 14.2
Date: 11/29/23	**Well Depth (ft):** 28	**DTW (After Pump Placement):** 14.25
Sampler: DM	**Well Diameter:** 4"	**Column Height:** 13.8'
Weather: 30° Sunny	**Screen Interval:** 21-28	**Start Purge:** 1035
	Pump Intake Depth (ft): 21	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Dedicated	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1040	5.53	0.466	35.6	1.06	16.2	217.3	180	14.25	
1045	5.55	0.465	41.2	0.51	16.3	206.5			
1050	5.59	0.467	50.2	0.41	16.2	202.5			
1055	5.64	0.464	70.8	0.46	16.2	202.7			
1100	5.66	0.471	99.8	0.496	15.2	204.2	150		
1105	5.68	0.472	105.9	0.51	15.0	209.2			
1110	5.70	0.473	104.2	0.51	15.0	205.8			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): ~~16A 105 176~~ 18D100748 YSI ProDSS

Comments: 1050 moved YSI out of sem lowered purge rate @ 1057 Sampled @ 1115

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

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Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** PZ-5	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 13.10
Date: 11/7.8/23	**Well Depth (ft):** 20.14	**DTW (After Pump Placement):** below pump placement
Sampler: KO	**Well Diameter:** 2 in	**Column Height:** 7.04
Weather: Part cloudy 36°F	**Screen Interval:** 8'-18'	**Start Purge:** 1045
	Pump Intake Depth (ft): 15'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double Bonded 15ft	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1050	4.71	0.185	56.69	3.72	12.6	54.0		below pump placement	
1100	4.88	0.166	23.77	0.30	15.6	-30.8	400	15.45	adjusting rate / pump depth
1105	4.95	0.167	19.33	0.18	15.7	-48.5	400		
1110	4.82	0.165	27.59	0.21	15.0	-48.1	145	"	
1115	4.78	0.165	20.78	0.24	15.3	-52.3	165	"	
1120	4.86	0.167	18.52	0.23	15.2	-60.5	150	"	
1125	4.92	0.169	16.64	0.24	15.1	-70.8	150	"	
1130	5.01	0.173	16.26	0.22	15.2	-78.2	150		unable to lower PR below pump placement / adjusted rate
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI Pro DSS 23F103106

Comments: Sampled @ 1135

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

GROUNDWATER SAMPLE COLLECTION FORM

integral consulting inc.

110 Marter Ave, Suite 304
Moorestown, NJ 08057
(856) 399-7720

Well ID PZ-6
Sample ID
Date 11/28/23

Project Name: West Deptford, NJ
Project Number: CF1165.2501.02A/.3202.01
Sampler KO

Well Information

Monument Condition	☒ Good	☐ Needs Repair		
Well Cap Condition	☒ Good	☐ Locked	☐ Replaced	☐ Needs Replacement
Elevation Mark	☒ Yes	☐ Added	☐ other	
Well Diameter	☒ 2-inch	☐ 4-inch	☐ 6-inch	☐ Other
Odor ☐	Comments	no odor		

Purge Data

Total Well Depth 12.82 ft ☒ Clean Bottom ☐ Muddy Bottom ☐ Not Measured
Depth to Water 12.97 ft
Casing Volume 4.85 ft (H20) X 0.16 gpf = 0.776 X 3 = 2.33 gallons
3/4 " = 0.02 gpf 1"= 0.04 gpf 2" = 0.16 gpf 4"=0.65 gpf 6"=1.47 gpf

Purge Method

Pump Type: used bailer, no pump Tubing:
Sample Intake Depth
Purge Start Time Purge Stop Time
Total volume purged
Purge Rate
Sample Rate

Field Parameters

	Time	Gallons	pH	Temperature (°C)	ORP (mvolts)	Turbidity (NTU)	Spec. Cond (mS/cm)	D.O. (mg/L)	Comments
11/28	1000	0	5.84	13.6	-15.7	8.75	0.592	5.44	DTW: 17.57' @ 1004
	1203	~1	6.09	14.3	1.7	12.13	0.506	4.75	DTW: 13.75' @ 1205
11/29	1305	2	6.42	13.1	25.2	28.86	0.506	4.90	DTW: 11.90' @ 1304
	1320	2.33	6.55	14.0	-11.3	25.86	0.533	5.64	

Sampling Device

Filter Type: bailer Size:

Sample Containers Collection Time 1315

Tag No.	Type	Preservative	Analytical Method	QA Remarks
	(2) 500ml, (1) 60 ml	none	Method 1633	
	(2) 250 ml	none	MFS-IDA	

Samplers' Signature Katherine O'Donnell Date 11/29/23

integral consulting inc.

Integral Consulting Inc. – Groundwater Sampling Field Data Log

Lab ID #: 03060

Site: West Deptford, NJ	**Well Location ID** PZ-8	
Project Number: CF1165.2501.02A/3202.01	**Well Permit ID:** NA	**DTW (Before Pump Placement):** 5.20
Date: 11-28-23	**Well Depth (ft):** 14.70' (TOC)	**DTW (After Pump Placement):** 5.25
Sampler: KP	**Well Diameter:** 2 in	**Column Height:** 9.5
Weather: cloudy, windy 37°F	**Screen Interval:** 3-13'	**Start Purge:** 1335
	Pump Intake Depth (ft): 8'	**Purge Method:** Low-Flow
PID Readings (Background): NA	**Pump Type:** GeoTech Bladder	**Sample Method:** Pump
Below Cap: NA	**Tubing Type:** Double Bonded 8'	

Time	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Purge Rate (mL/min)	Depth to Water (ft bgs)	Notes
1335	6.44	0.252	934.00	6.24	11.5	67.9	125	5.25	orange water
1340	5.57	0.227	481.02	1.37	11.9	108.7	135	5.20	adjusted flow
1345	5.60	0.224	297.00	1.33	12.1	108.0	145	5.20	emptied flow cell
1350	5.78	0.225	282.00	2.87	11.5	74.8	150		
1355	5.68	0.226	186.89	0.28	12.3	93.8	150		
1400	5.68	0.226	156.58	0.13	12.3	94.6	150		
1405	5.69	0.226	134.68	0.16	12.5	94.4			
1410	5.69	0.227	101.20	0.05	12.5	93.7			
1415	5.69	0.227	107.00	0.04	12.6	92.3			
1420	5.69	0.227	87.07	0.04	12.6	91.3			
1425	5.69	0.227	92.67	0.06	12.5	88.8			
1430	5.70	0.228	85.15	0.05	12.4	88.0			
	+/- 0.1 S.U.	+/- 3%	+/-10% OR < 5 NTU	+/-10%	+/-3%	+/-10mV	<500 mL/min	+/- 0.3 ft	

Rental Equipment Details (Serial/Vendor): YSI ProDSS: 23F103106

Comments: Sampled @ 1435

NOTE: Sections highlighted in green MUST be completed!!

Note: Turbidity measurements shown are for screening purposes only and were not collected by a NJDEP certified laboratory per N.J.A.C. 7:18. Well stabilization for sample collection is based on the remaining groundwater quality parameters.

Appendix C

Laboratory Reports

Appendix D

Data Validation Report

DATA VALIDATION REPORT

Solvay Specialty Polymers
2023 November Groundwater Sampling

Prepared for
Solvay Specialty Polymers

Prepared by

319 SW Washington Street
Suite 1150
Portland, OR 97204

January 2, 2024

CONTENTS

LIST OF TABLES

ACRONYMS AND ABBREVIATIONS

BFS	bifunctional surfactants
CCVL	low-level continuing calibration verification standard
EPA	U.S. Environmental Protection Agency
MDL	method detection limit
MFS	monofunctional surfactants
MRL	method reporting limit
MS/MSD	matrix spike and matrix spike duplicate
PFAS	per- and polyfluoroalkyl substances
QA/QC	quality assurance and quality control
RPD	relative percent difference
SDG	sample delivery group
SOP	standard operating procedure

1 INTRODUCTION

This report presents the findings of the data validation of 92 groundwater samples analyzed for monofunctional surfactants (MFS) and bifunctional surfactants (BFS) and associated quality control samples by Eurofins Lancaster Laboratories Environment Testing, LLC, of Lancaster, Pennsylvania. The sample delivery groups (SDGs) reviewed are summarized in Table 1-1, and parameters and analytical methods are listed in Table 1-2.

The sample results received a Stage 2B validation, which included a review of all laboratory summary forms of quality control data, including calibration information and instrument performance checks. The data validation was based upon criteria described in the U.S. Environmental Protection Agency (EPA) Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFAS) Analyzed Using EPA Method 537 (USEPA 2018), the quality assurance project plan (QAPP) (Integral 2023), and the laboratory standard operating procedures (SOPs) (ELLE 2023a,b).

The quality assurance and quality control (QA/QC) parameters reviewed are discussed in Section 2. The electronic data deliverables were compared to the hard copy data packages, and 100 percent of the results were verified. Qualifiers resulting from the validation process were entered into the project database. A reason code indicating the reason for qualification was also entered into the database. The definitions of the data qualifiers used are provided in Table 1-3, and descriptions of the reason codes used are provided in Table 1-4. For example, if a nondetected result was qualified as estimated due to a low matrix spike recovery, the qualifier "UJ" and the reason code "MS" were entered into the database, indicated as UJ-MS in the discussion of findings in Section 2.

2 FINDINGS

The data validation findings are provided in this section. The QA/QC parameters reviewed for each analytical parameter are discussed below and listed in Table 2-1.

2.1 SAMPLE RECEIPT AND HOLDING TIMES

All analyses were conducted within the holding times referenced in the method with one exception. For SDG 410-151455-1, Sample MW-113D was reextracted and reanalyzed for MFS outside of holding times due to a low labeled compound recovery. The reanalysis results were not reported, and no sample results were qualified.

The samples were received with complete chain-of-custody forms and in good condition with one exception. For SDG 410-152776-1, the times for sample collection listed on the sample containers did not match those listed on the chain-of-custody form for Samples EB_112923 and MW-22X. Samples were logged in using the information listed on the chain-of-custody form.

2.2 BLANKS

Target analytes were not detected at concentrations greater than the method detection limit (MDL) in the laboratory, field, or equipment blanks with the exceptions listed below.

Target analytes BFS_A2B2, BFS_AB3, and BFS_B3 were detected at concentrations greater than the reporting limit in one of the laboratory blanks (ICB 410-450659/11), which was associated with all samples for SDGs 410-151434-1, 410-151455-1, 410-151861-1, 410-151862-1, 410-151863-1, and with Samples AB_112723, EB_112723, and MW-5X for SDG 410-152780-1. The associated BFS_A2B2, BFS_AB3, and BFS_B3 results that were detected at concentrations less than 5 times the blank concentrations were qualified as not detected (U-LB) and are listed below. All other associated sample results were not detected or were detected at concentrations greater than 5 times the blank concentrations and were not qualified.

SDG	Sample ID	Results Qualified U-LB
410-151434-1	MW-103S	BFS_A2B2, BFS_AB3, BFS_B3
410-151455-1	MW-112S	BFS_B3
	MW-113S	BFS_A2B2, BFS_AB3, BFS_B3
410-151862-1	MW-130S	BFS_A2B2, BFS_AB3
	MW-130D	BFS_AB3, BFS_B3
410-151863-1	MW-19X	BFS_A2B2

Target analyte BFS_AB3 was detected at a concentration less than the reporting limit in one of the laboratory blanks (ICB 410-451785/11), which was associated with all samples for SDG 410-152776-1, and Samples MW-115X, MW-6I, MW-10I, and MW-10X for SDG 410-152780-1. The BFS_AB3 result for Sample MW-10X was detected at a concentration less than the reporting limit and was qualified as not detected (U-LB). All other associated sample results were not detected or were detected at concentrations greater than the reporting limit and were not qualified.

Target analytes MFS_M3 and MFS_N3 were detected in the equipment blank, Sample EB_112923, at concentrations less than the reporting limit; this equipment blank was associated with Samples P-2S, P-6S, MW-128S, MW-22X, MW-129S, PZ-6, and MW-16S for SDG 410-152776-1. All associated sample results were detected at concentrations greater than the reporting limit and were not qualified.

2.3 LABELED COMPOUND RECOVERY

A labeled compound was added to all field and laboratory quality control samples analyzed for BFS and MFS as required by the laboratory SOP. The percent recovery values of the labeled compounds met the laboratory-specified control limits with the exceptions listed below.

For SDG 410-151455-1, the percent recovery value for MFS labeled compound 13C3 HFPO-DA was below the laboratory-specified control limits but greater than 10 percent for Sample MW-113D. All associated results were qualified as estimated (J/UJ-SSR). The sample was reextracted and reanalyzed outside the required holding time. The labeled compound recovery was within the laboratory-specified control limits for the reanalysis; however, the reanalysis results were not reported.

For SDG 410-152776-1, the percent recovery values for BFS labeled compound 13C3 HFPO-DA were above the laboratory-specified control limits for the original analysis for Sample MW-128S and for the reanalyses of Samples MW-128S and MW-129S. The original analysis was performed at a 10-fold dilution, and no sample results were qualified. The reanalysis results were not reported, and sample results were not qualified.

For SDG 410-152780-1, the percent recovery value for BFS labeled compound 13C3 HFPO-DA was above the laboratory-specified control limits for Sample MW-6I. All associated sample results were detected and were qualified as estimated (J-SSR).

The percent recovery value for BFS labeled compound 13C3 HFPO-DA was below the laboratory-specified control limits but greater than 10 percent for one of the laboratory blanks (ICB 410-450659/11). No sample results were qualified due to the low labeled compound recovery in the quality control sample.

The percent recovery value for MFS labeled compound 13C3 HFPO-DA was below the laboratory-specified control limits but greater than 10 percent for one of the laboratory blanks (ICB 410-448513/8). No sample results were qualified on the basis of the low labeled-compound recovery in the quality control sample.

2.4 LABORATORY CONTROL SAMPLES

The percent recovery values for all laboratory control samples were within the laboratory-specified control limits.

2.5 MATRIX SPIKES AND MATRIX SPIKE DUPLICATES

The percent recoveries and relative percent differences (RPDs) for all matrix spikes and matrix spike duplicates (MS/MSDs) were within the laboratory control limits with the exceptions listed below.

For SDG 410-151455-1, the MS and MSD percent recovery values for MFS_N5 and the MSD percent recovery values for MFS_M4 and MFS_N4 were below the laboratory control limits at zero percent. The associated MFS_M4, MFS_N4, and MFS_N5 results for parent Sample MW-107S and its field replicate, Sample DUP_111423, were not detected and were **rejected (R-MS)**. The MSD percent recovery values for MFS_M3 and MFS_N3 were below the laboratory control limits but greater than 10 percent. The associated MFS_M3 and MFS_N3 results for parent Sample MW-107S and its field replicate, Sample DUP_111423, were not detected and were qualified as estimated (UJ-MS). The MS/MSD RPD values were above the laboratory control limit for MFS_M3 and MFS_N3. The associated sample results for parent Sample MW-107S were not detected and were not qualified on the basis of the imprecision.

For SDG 410-151861-1, the MS and/or MSD percent recovery values for all BFS target analytes were above the laboratory control limits. All associated sample results for parent Sample MW-134D were nondetect and were not qualified.

For SDG 410-151862-1, the MS and MSD percent recovery values for all BFS target analytes were above the laboratory control limits. All associated sample results for parent Sample MW-131S and its field replicate, Sample DUP_111723, were detected and were qualified as estimated (J-MS).

For SDG 410-151862-1, the MS and MSD percent recovery values for MFS_N5 and the MSD percent recovery values for MFS_N4 were below the laboratory control limits and less than 10 percent. The associated MFS_N4 and MFS_N5 results for parent Sample MW-131S and its field replicate, Sample DUP_111723, were not detected and were **rejected (R-MS)**. The MS and MSD percent recovery values for MFS_M4 were below the laboratory control limits but greater

than or equal to 10 percent. The associated MFS_M4 results for parent Sample MW-131S and its field replicate, Sample DUP_111723, were not detected and were qualified as estimated (UJ-MS). The MS percent recovery value for MFS_N2 was above the laboratory control limit; however, the sample concentration was greater than 4 times the spike concentration and no sample results were qualified. The MS and MSD percent recovery values for MFS_M3 were greater than the laboratory control limits. The associated MFS_M3 results for parent Sample MW-131S and its field replicate, Sample DUP_111723, were detected and were qualified as estimated (J-MS). The MS/MSD RPD values were above the laboratory control limit for MFS_N3, MFS_M4, and MFS_N4. The associated sample results for parent Sample MW-131S and its field replicate, Sample DUP_111723, were not detected and were not qualified.

For SDG 410-152780-1, the MSD percent recovery values for all MFS target analytes were above the laboratory control limits. The sample concentrations were greater than 4 times the spiked concentrations for MFS_N2 and MFS_M3 for parent Sample MW-40S and its field replicate, Sample DUP_112723. Associated detected results were not qualified. Because the MSD percent recovery value was within 10 percent of the laboratory control limits and the matrix spike percent recovery value was within the laboratory control limits, the associated MFS_N3 result for parent Sample MW-40S and its field replicate, Sample DUP_112723 was not qualified. All other associated results were not detected and were not qualified.

An MS/MSD pair was not analyzed for BFS for SDGs 410-151455-1 and 410-152780-1, or for the BFS/MFS analyses for SDGs 410-151434-1, 410-151863-1, and 152776-1.

2.6 REPLICATES

Four field replicate pairs were submitted for MFS and BFS analysis.

SDG	Sample	Analyses	Field Replicate
410-151455-1	MW-107S	MFS	DUP_111423
410-151861-1	MW-134D	MFS/BFS	DUP_111523
410-151862-1	MW-131S	MFS/BFS	DUP_111723
410-152780-1	MW-40S	MFS	DUP_112723

RPD values must be less than 30 percent for control limits where the detected results for the parent sample and field replicate are both greater than the reporting limits. In cases where only one of the results is greater than the reporting limit, the absolute difference between the values must be less than the reporting limit.

The control limits were met for all analytes with the one exception. For SDG 410-151862-1, the RPD value for BFS_A2B3 was greater than 30 percent. The associated results for parent Sample MW-131S and its field replicate were qualified as estimated (J-REP).

Field replicates were not performed for the BFS analyses for SDGs 410-151455-1 and 410-152780-1, or for the MFS/BFS analyses for SDGs 410-151434-1, 410-151863-1, and 410-152776-1.

Laboratory duplicates were not performed for MFS and BFS analyses.

2.7 METHOD REPORTING LIMITS AND METHODOLOGY

The laboratory method reporting limits (MRLs) and MDLs met the project-specified limits listed in the QAPP, with some exceptions. The MDLs for target analytes MFS_N2, MFS_N3, and BFS_AB2 were greater than the MDLs listed in the QAPP. The QAPP states: "Method detection limits are updated periodically by the laboratories. MDLs that are in effect at the laboratory at the time of analysis will be used for sample analysis and data validation. These may differ slightly from the control limits shown in this table."

A number of samples for MFS and BFS analyses required dilutions, and the MRLs were elevated accordingly.

For SDGs 410-152776-1and 410-152780-1, the laboratory E-flagged the MFS_N2 results for Samples P-6S, MW-128S, MW-1D, M/H-2D, and MW-10I, indicating that the detected concentrations were above the instrument calibration range. These results were qualified as estimated (J-UC).

2.8 INITIAL CALIBRATION

Initial calibrations were analyzed on all instruments and met the acceptance criteria stated in the laboratory SOP.

2.9 CONTINUING CALIBRATION

Continuing calibrations were analyzed at the appropriate frequency and met the acceptance criteria stated in the laboratory SOP with one exception. For all SDGs, target analyte BFS_A2B3 was not detected in the low-level continuing calibration verification standards (CCVLs). BFS_A2B3 met acceptance criteria in all of the other continuing calibration verification standards, and the target analyte was detected in one sample at a concentration between the MDL and MRL. All BFS_A2B3 results were associated with a CCVL in which BFS_A2B3 was not detected and were qualified as estimated (J/UJ-Cc).

2.10 INTERNAL STANDARDS

Internal standards were added to all samples and met the acceptance criteria stated in the laboratory SOP with the following exceptions.

For SDG 410-152776-1, the internal standard areas for 13C2 PFOA in the BFS analyses for Samples MW-128S and MW-129S were below the lower acceptance limits. The BFS_A2B3 and BFS_B4 results for Sample MW-129S were reported from an analysis performed at a 10-fold dilution with an internal standard area within limits and were not qualified. All other associated sample results were detected and were qualified as estimated (J-IS). The samples were reanalyzed, and the internal standard areas were again below the lower acceptance limits. Only the results from the original analyses were reported.

For SDG 410-152776-1, the internal standard areas for 13C2 PFOA in the MFS analyses for Samples P-6S, MW-128S, MW-129S, and PZ-6 were below the lower acceptance limits. The MFS_M3 and MFS_N3 results for Sample P-6S, and the MFS_N2 result for Sample PZ-6 were reported from analyses performed at 10-fold dilutions with internal standard areas within limits and were not qualified. The MFS_N2 result for Sample P-6S, the MFS_M3, MFS_N2, and MFS_N3 results for Sample MW-129S, and the MFS_M3 and MFS_N2 results for Sample MW-128S were reported from analyses performed at 100-fold dilutions with internal standard areas within limits and were not qualified. All other associated sample results were qualified as estimated (J/UJ-IS). The samples were reanalyzed, and the internal standard areas were again below the lower acceptance limits. Only the results from the original analyses were reported.

3 OVERALL ASSESSMENT

An overall assessment of the data is provided below.

3.1 DATA QUALIFICATION

A total of 1,050 results were reported. Of those results, 132 results (12.6 percent) were qualified as estimated or not detected; the number of results qualified is summarized by reason in Table 3-1. A total of 10 results were rejected, and completeness was calculated as 99.0 percent. A summary of qualified results is presented in Table 3-2.

3.2 DATA USABILITY

The data meet the criteria set forth in the method and referenced quality assurance documents, with the exceptions noted above. All results are acceptable for their intended use.

4 REFERENCES

ELLE. 2023a. Client specific: Determination of bi-functional surfactants (BFS) in aqueous and solid samples by extracted internal standard quantitation using LC/MS/MS. Document No. T-PFAS-WI34886, Version 7, Eurofins Lancaster Laboratories, Lancaster, PA. July.

ELLE. 2023b. Client specific: Determination of mono-functional surfactants (MFS) in aqueous and solid samples by extracted internal standard quantitation using LC/MS/MS. Document No. T-PFAS-WI34027, Version 6, Eurofins Lancaster Laboratories, Lancaster, PA. July.

Integral. 2021. Quality assurance project plan, Solvay Specialty Polymers. Program Interest No: 015010. Integral Consulting Inc., Cherry Hill, NJ. May.

USEPA. 2018. Data review and validation guidelines for perfluoroalkyl substances (PFASs) analyzed using EPA Method 537. EPA 910-R-18-001. U.S. Environmental Protection Agency, Washington, DC. November.

Tables

Table 1-1. SDGs Reviewed, Number of Samples, and Validation Level

SDG	Number of Samples	Validation Level
410-151434-1	12 groundwaters, 1 equipment blank, 1 ambient blank	Stage 2B
410-151455-1	14 groundwaters, 1 field replicate, 1 equipment blank	Stage 2B
410-151861-1	15 groundwaters, 1 field replicate, 1 equipment blank	Stage 2B
410-151862-1	11 groundwaters, 1 field replicate, 1 equipment blank	Stage 2B
410-151863-1	17 groundwaters, 1 equipment blank	Stage 2B
410-152776-1	14 groundwaters, 2 equipment blanks	Stage 2B
410-152780-1	9 groundwaters, 1 field replicate, 1 equipment blank, 1 ambient blank	Stage 2B

Notes:
SDG = sample delivery group

Table 1-2. Analytical Parameters and Methods

Laboratory	Analytical Parameter	Analytical Method	Reference
ELLE	MFS	Laboratory SOP	ELLE (2023)
	BFS	Laboratory SOP	ELLE (2023)

Notes:
BFS = bifunctional surfactants
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC
MFS = monofunctional surfactants
SOP = standard operating procedure

Table 1-3. Definition of Data Qualifiers

Data Qualifier	Definition
J	The result is an estimated quantity.
R	Rejected. The data are unusable.
U	The material was analyzed for, but was not detected.
UJ	Estimated and not detected. The analyte is considered not detected at the reported value, and the associated numerical value is an estimated value.

Table 1-4. Definition of Data Validation Reason Codes

Reason Code	Definition
Cc	Calibration (continuing)
IS	Internal standard
LB	Laboratory blank contamination
MS	Matrix spike recovery
REP	Replicate precision
SSR	Labeled compound recovery
UC	Upper calibration range exceeded

Table 2-1. QA/QC Parameters Reviewed

QA/QC Parameter	BFS	MFS
Sample Receipt and Holding Times	D	D
Blanks	Q	D
Labeled Compound Recovery	Q	Q
LCS	+	+
MS/MSD	Q	Q
Replicates	Q	+
Method Reporting Limits and Methodology	D	Q
ICAL	+	+
CCAL	Q	+
Internal Standards	Q	Q

Notes:

+ = All QA/QC criteria met

D = Data are discussed in the report. QA/QC criteria were not met; however, no data were qualified.

Q = Data were qualified and are discussed in the report.

BFS = bifunctional surfactants
CCAL = continuing calibration
ICAL = initial calibration
LCS = laboratory control sample
MFS = monofunctional surfactants
MS/MSD = matrix spike and matrix spike duplicate
NA = not applicable
QA/QC = quality assurance and quality control

Table 3-1. Summary of Qualified Data Points by Reason

Data Qualification Reason	Number of Data Points Estimated	Number of Data Points Qualified Not Detected	Number of Data Points Rejected
Laboratory blank contamination	--	13	--
Calibration (continuing)	46	--	--
Internal standard	31	--	--
Matrix spike recovery	26	--	10
Replicate precision	2	--	--
Labeled compound recovery	15	--	--
Upper calibration range exceeded	5	--	--

Notes:
-- = none

Table 3-2. Summary of Qualified Data

SDG	Sample	Analyte	Result (ng/L)	Method Reporting Limit (ng/L)	Lab Qualifier	DV Qualifier	DV Qualifier Reason
410-151434-1	AB_111323	BFS_A2B3	0.35	0.97	U cn	UJ	Cc
410-151434-1	MW-103D	BFS_A2B3	0.35	0.97	U cn	UJ	Cc
410-151434-1	MW-135D	BFS_A2B3	4	11	U cn	UJ	Cc
410-151434-1	MW-135S	BFS_A2B3	0.36	0.99	U cn	UJ	Cc
410-151434-1	EB_111323	BFS_A2B3	0.37	1	U cn	UJ	Cc
410-151434-1	MW-103S	BFS_A2B2	0.89	1.2	J ^2 cn	U	LB
410-151434-1	MW-103S	BFS_A2B3	0.33	0.91	U cn	UJ	Cc
410-151434-1	MW-103S	BFS_AB3	0.73	1.2	J ^2 cn	U	LB
410-151434-1	MW-103S	BFS_B3	0.87	0.58	^2 cn	U	LB
410-151455-1	DUP_111423	MFS_M3 (1,1)	0.16	0.8	U	UJ	MS
410-151455-1	DUP_111423	MFS_M4 (1,2)	0.4	0.8	U	R	MS
410-151455-1	DUP_111423	MFS_N3 (0,2)	0.4	0.8	U	UJ	MS
410-151455-1	DUP_111423	MFS_N4 (0,3)	0.8	1.6	U	R	MS
410-151455-1	DUP_111423	MFS_N5 (0,4)	1.6	2.4	U	R	MS
410-151455-1	MW-112D	BFS_A2B3	0.37	1	U cn	UJ	Cc
410-151455-1	MW-112S	BFS_A2B3	0.34	0.94	U cn	UJ	Cc
410-151455-1	MW-112S	BFS_B3	0.28	0.6	J ^2 cn	U	LB
410-151455-1	MW-113S	BFS_A2B2	0.65	1.2	J ^2 cn	U	LB
410-151455-1	MW-113S	BFS_A2B3	0.34	0.93	U cn	UJ	Cc
410-151455-1	MW-113S	BFS_AB3	2	1.3	^2 cn	U	LB
410-151455-1	MW-113S	BFS_B3	0.26	0.59	J ^2 cn	U	LB
410-151455-1	MW-113D	BFS_A2B3	0.37	1	U cn	UJ	Cc
410-151455-1	MW-113D	MFS_M3 (1,1)	0.17	0.84	U	UJ	SSR
410-151455-1	MW-113D	MFS_M4 (1,2)	0.42	0.84	U	UJ	SSR
410-151455-1	MW-113D	MFS_N2 (0,1)	0.67	0.84	U	UJ	SSR
410-151455-1	MW-113D	MFS_N3 (0,2)	0.57	0.84	J	J	SSR
410-151455-1	MW-113D	MFS_N4 (0,3)	0.84	1.7	U	UJ	SSR
410-151455-1	MW-113D	MFS_N5 (0,4)	1.7	2.5	U	UJ	SSR
410-151455-1	MW-102D	BFS_A2B3	0.36	0.98	U cn	UJ	Cc
410-151455-1	MW-102S	BFS_A2B3	0.32	0.87	U cn	UJ	Cc
410-151455-1	EB_111423	BFS_A2B3	0.36	1	U cn	UJ	Cc

Table 3-2. Summary of Qualified Data

SDG	Sample	Analyte	Result (ng/L)	Method Reporting Limit (ng/L)	Lab Qualifier	DV Qualifier	DV Qualifier Reason
410-151455-1	MW-107S	MFS_M3 (1,1)	0.18	0.89	U F1 F2	UJ	MS
410-151455-1	MW-107S	MFS_M4 (1,2)	0.45	0.89	U F1	R	MS
410-151455-1	MW-107S	MFS_N3 (0,2)	0.45	0.89	U F1 F2	UJ	MS
410-151455-1	MW-107S	MFS_N4 (0,3)	0.89	1.8	U F1	R	MS
410-151455-1	MW-107S	MFS_N5 (0,4)	1.8	2.7	U F1	R	MS
410-151861-1	EB_111523	BFS_A2B3	0.39	1.1	U cn	UJ	Cc
410-151861-1	MW-118S	BFS_A2B3	0.37	1	U cn	UJ	Cc
410-151861-1	MW-118D	BFS_A2B3	0.37	1	U cn	UJ	Cc
410-151861-1	MW-36D	BFS_A2B3	0.38	1	U cn	UJ	Cc
410-151861-1	MW-134D	BFS_A2B3	0.35	0.98	U F1 cn	UJ	Cc
410-151861-1	DUP_111523	BFS_A2B3	0.35	0.97	U cn	UJ	Cc
410-151861-1	MW-134S	BFS_A2B3	0.34	0.93	U cn	UJ	Cc
410-151862-1	EB_111723	BFS_A2B3	0.35	0.98	U cn	UJ	Cc
410-151862-1	MW-42D	BFS_A2B3	0.32	0.89	U cn	UJ	Cc
410-151862-1	MW-130S	BFS_A2B2	1.7	1.2	^2 cn	U	LB
410-151862-1	MW-130S	BFS_A2B3	0.35	0.96	U cn	UJ	Cc
410-151862-1	MW-130S	BFS_AB3	2.2	1.3	^2 cn	U	LB
410-151862-1	MW-130D	BFS_A2B3	0.32	0.89	U cn	UJ	Cc
410-151862-1	MW-130D	BFS_AB3	0.38	1.2	J ^2 cn	U	LB
410-151862-1	MW-130D	BFS_B3	0.28	0.56	J ^2 cn	U	LB
410-151862-1	MW-131D	BFS_A2B3	7.4	0.88	cn	J	Cc
410-151862-1	MW-131S	BFS_A2B2	61	1.2	^2 F1 cn	J	MS
410-151862-1	MW-131S	BFS_A2B3	2.1	0.93	F1 cn	J	Cc,MS,REP
410-151862-1	MW-131S	BFS_A3B	8.8	0.51	F1 cn	J	MS
410-151862-1	MW-131S	BFS_A3B2	4.4	0.68	F1 cn	J	MS
410-151862-1	MW-131S	BFS_A4B	3.2	0.34	F1 cn	J	MS
410-151862-1	MW-131S	BFS_AB2	17	0.51	F1 cn	J	MS
410-151862-1	MW-131S	BFS_AB3	67	1.3	^2 F1 cn	J	MS
410-151862-1	MW-131S	BFS_B3	43	0.59	^2 F1 cn	J	MS
410-151862-1	MW-131S	BFS_B4	11	0.93	F1 cn	J	MS
410-151862-1	MW-131S	MFS_M3 (1,1)	2.3	0.87	F1	J	MS

Table 3-2. Summary of Qualified Data

SDG	Sample	Analyte	Result (ng/L)	Method Reporting Limit (ng/L)	Lab Qualifier	DV Qualifier	DV Qualifier Reason
410-151862-1	MW-131S	MFS_M4 (1,2)	0.44	0.87	U F2 F1	UJ	MS
410-151862-1	MW-131S	MFS_N4 (0,3)	0.87	1.7	U F2 F1	R	MS
410-151862-1	MW-131S	MFS_N5 (0,4)	1.7	2.6	U F1	R	MS
410-151862-1	DUP_111723	BFS_A2B2	67	1.1	^2 cn	J	MS
410-151862-1	DUP_111723	BFS_A2B3	3.4	0.9	cn	J	Cc,MS,REP
410-151862-1	DUP_111723	BFS_A3B	9.7	0.49	cn	J	MS
410-151862-1	DUP_111723	BFS_A3B2	5.3	0.66	cn	J	MS
410-151862-1	DUP_111723	BFS_A4B	3.5	0.33	cn	J	MS
410-151862-1	DUP_111723	BFS_AB2	18	0.49	cn	J	MS
410-151862-1	DUP_111723	BFS_AB3	74	1.2	^2 cn	J	MS
410-151862-1	DUP_111723	BFS_B3	48	0.57	^2 cn	J	MS
410-151862-1	DUP_111723	BFS_B4	14	0.9	cn	J	MS
410-151862-1	DUP_111723	MFS_M3 (1,1)	2.3	0.91		J	MS
410-151862-1	DUP_111723	MFS_M4 (1,2)	0.45	0.91	U	UJ	MS
410-151862-1	DUP_111723	MFS_N4 (0,3)	0.91	1.8	U	R	MS
410-151862-1	DUP_111723	MFS_N5 (0,4)	1.8	2.7	U	R	MS
410-151863-1	EB_111623	BFS_A2B3	0.36	1	U cn	UJ	Cc
410-151863-1	MW-132S	BFS_A2B3	0.35	0.95	U cn	UJ	Cc
410-151863-1	MW-132D	BFS_A2B3	0.36	0.98	U cn	UJ	Cc
410-151863-1	MW-133D	BFS_A2B3	21	0.96	cn	J	Cc
410-151863-1	MW-133S	BFS_A2B3	17	0.93	cn	J	Cc
410-151863-1	MW-19X	BFS_A2B2	1.7	1.1	^2 cn	U	LB
410-151863-1	MW-19X	BFS_A2B3	0.54	0.87	J cn	J	Cc
410-151863-1	MW-102X	BFS_A2B3	0.38	1	U cn	UJ	Cc
410-152776-1	EB_112823	BFS_A2B3	0.38	1.1	U	UJ	Cc
410-152776-1	P-6S	MFS_M4 (1,2)	0.43	0.86	U cn	UJ	IS
410-152776-1	P-6S	MFS_N2 (0,1)	40000	86	E	J	UC
410-152776-1	P-6S	MFS_N4 (0,3)	0.86	1.7	U cn	UJ	IS
410-152776-1	P-6S	MFS_N5 (0,4)	1.7	2.6	U cn	UJ	IS
410-152776-1	MW-128S	BFS_A2B2	9400	12		J	IS
410-152776-1	MW-128S	BFS_A2B3	500	9.4		J	Cc,IS

Table 3-2. Summary of Qualified Data

SDG	Sample	Analyte	Result (ng/L)	Method Reporting Limit (ng/L)	Lab Qualifier	DV Qualifier	DV Qualifier Reason
410-152776-1	MW-128S	BFS_A3B	1400	5.1		J	IS
410-152776-1	MW-128S	BFS_A3B2	1000	6.8		J	IS
410-152776-1	MW-128S	BFS_A4B	830	3.4		J	IS
410-152776-1	MW-128S	BFS_AB2	2400	5.1		J	IS
410-152776-1	MW-128S	BFS_AB3	5800	13		J	IS
410-152776-1	MW-128S	BFS_B3	5800	6		J	IS
410-152776-1	MW-128S	BFS_B4	2600	9.4		J	IS
410-152776-1	MW-128S	MFS_M4 (1,2)	4.3	8.5	U cn	UJ	IS
410-152776-1	MW-128S	MFS_N2 (0,1)	130000	85	E	J	UC
410-152776-1	MW-128S	MFS_N3 (0,2)	510	8.5	cn	J	IS
410-152776-1	MW-128S	MFS_N4 (0,3)	8.5	17	U cn	UJ	IS
410-152776-1	MW-128S	MFS_N5 (0,4)	17	26	U cn	UJ	IS
410-152776-1	MW-22X	BFS_A2B3	1.3	0.97		J	Cc
410-152776-1	MW-129S	BFS_A2B2	320	1.2	cn	J	IS
410-152776-1	MW-129S	BFS_A2B3	350	9.6	cn	J	Cc
410-152776-1	MW-129S	BFS_A3B	120	0.52	cn	J	IS
410-152776-1	MW-129S	BFS_A3B2	230	0.7	cn	J	IS
410-152776-1	MW-129S	BFS_A4B	41	0.35	cn	J	IS
410-152776-1	MW-129S	BFS_AB2	310	0.52	cn	J	IS
410-152776-1	MW-129S	BFS_AB3	910	1.3	cn	J	IS
410-152776-1	MW-129S	BFS_B3	190	0.61	cn	J	IS
410-152776-1	MW-129S	MFS_M4 (1,2)	0.7	0.9	J cn	J	IS
410-152776-1	MW-129S	MFS_N4 (0,3)	0.9	1.8	U cn	UJ	IS
410-152776-1	MW-129S	MFS_N5 (0,4)	1.8	2.7	U cn	UJ	IS
410-152776-1	PZ-6	MFS_M3 (1,1)	6.3	0.91	cn	J	IS
410-152776-1	PZ-6	MFS_M4 (1,2)	0.45	0.91	U cn	UJ	IS
410-152776-1	PZ-6	MFS_N3 (0,2)	3.8	0.91	cn	J	IS
410-152776-1	PZ-6	MFS_N4 (0,3)	0.91	1.8	U cn	UJ	IS
410-152776-1	PZ-6	MFS_N5 (0,4)	1.8	2.7	U cn	UJ	IS
410-152776-1	EB_112923	BFS_A2B3	0.37	1	U	UJ	Cc
410-152780-1	AB_112723	BFS_A2B3	0.35	0.97	U cn	UJ	Cc

Table 3-2. Summary of Qualified Data

SDG	Sample	Analyte	Result (ng/L)	Method Reporting Limit (ng/L)	Lab Qualifier	DV Qualifier	DV Qualifier Reason
410-152780-1	MW-6I	BFS_A2B2	120	1.4		J	SSR
410-152780-1	MW-6I	BFS_A2B3	44	1.1		J	SSR,Cc
410-152780-1	MW-6I	BFS_A3B	22	0.58		J	SSR
410-152780-1	MW-6I	BFS_A3B2	61	0.78		J	SSR
410-152780-1	MW-6I	BFS_A4B	15	0.39		J	SSR
410-152780-1	MW-6I	BFS_AB2	51	0.58		J	SSR
410-152780-1	MW-6I	BFS_AB3	360	1.5		J	SSR
410-152780-1	MW-6I	BFS_B3	82	0.68		J	SSR
410-152780-1	MW-6I	BFS_B4	160	1.1		J	SSR
410-152780-1	MW-10I	BFS_A2B3	5000	110		J	Cc
410-152780-1	MW-10I	MFS_N2 (0,1)	92000	97	E	J	UC
410-152780-1	MW-10X	BFS_A2B3	0.37	1	U	UJ	Cc
410-152780-1	MW-10X	BFS_AB3	0.56	1.4	J	U	LB
410-152780-1	EB_112723	BFS_A2B3	0.36	1	U cn	UJ	Cc
410-152780-1	MW-5X	BFS_A2B3	0.36	0.99	U cn	UJ	Cc
410-152780-1	MW-1D	MFS_N2 (0,1)	47000	87	E	J	UC
410-152780-1	M/H-2D	MFS_N2 (0,1)	76000	91	E	J	UC
410-152780-1	MW-115X	BFS_A2B3	0.34	0.94	U	UJ	Cc

Notes:
Cc = calibration (continuing)
DV = data validation
IS = internal standard
LB = laboratory blank contamination
MS = matrix spike recovery
REP = replicate precision
SSR = labeled compound recovery
UC = upper calibration range exceeded

Qualifiers:
J = The associated numerical value is an estimated quantity.
R = Rejected. The data are unusable.
U = The material was analyzed for, but was not detected.
UJ = Estimated and not detected. The analyte is considered not detected at the reported value, and the associated numerical value is an estimated value.